					L	ink to Discovery Responses: https://www.pge.com/en_US/safety/emergency-preparedness/natural-di	saster/wildfires/wildfire-mitigation-plan-discovery-data-requests.page				
Count	Party Name	Data Set	Data Request	Question No.	Question ID	Question Text	Responses	Final Due Date	WMP Section	Category	Subcategory
1	CalPA	Set WMP-07	CalPA_Set WMP-07	1	CalPA_Set WMP-07_Q1	In the review of PGAE's WDMM xl by Energy & Environmental Economics, Inc. ("E3 Review"), the authors role: There were also several referebles by DGAE asset data, now current to 2022-01-01 and inclusion of updated internally sourced meteorology datasets: 3 a) Please confirm that no asset data collected after January 1, 2022 was used in the WDRM v3. 5) if asset data collected after January 1, 2022 was used in PGAE's WDRM v3, please specify the date(s) on which any such data was collected. 6) Please confirm that "asset data" in parts a) and b) is geospatial (GIS) data from the operational system of record. If not, leaves table the critin of the asset data.	a) All distribution asset data utilized in the Wilefire Distribution Risk Model (WDRM) v3 were extracted from PG&E's EDGS system on January 1, 2022, with the exception of the transformer data which was obtracted from EDGS on February 2, 2022. b) See answer to part a. c) See answer to part a.	3/30/2023	6.2	Risk Methodology and Assessment	Risk Analysis Framework
2	CalPA	Set WMP-07	CalPA_Set WMP-07	2	CalPA_Set WMP-07_Q2	Page 15 of the E3 Review includes a list of components included in the WDRM v3.4 a) Please confirm the data that the WDRM via sensitizate, b) if the final list of components is different than what is lated in the E3 review, please provide an updated and accorate list of components that are used as inputs in PG&E5 WDRM v3.0 For any inputs included in your response to Jeaden v3.0 plant of an object on Pge 25 of the E3 review, please provide the lated date on which each input was updated. d) if any dates given in response to Question 2(c) are different from hone given in question (10), please explain with year and offerent.	a) The Wildline Distribution Risk Model (WDRM) of was finalized by approval at the Wildline Risk Governance Scienting Committee (WRSSC) on April 13, 2022. b) The 8 asset groups itsed on page 15 of the 63 Review are included in the WDRM v3 but are grouped into the sub- models listed in Figure 55-bum-doel Preford Performance Measures on page 21 of the 63 Review document. Not application, please see resporse to 26. d) Not application, please see resporse to 26.	3/30/2023	6.2	Risk Methodology and Assessment	Risk Analysis Framework
3	CalPA	Set WMP-07	CalPA_Set WMP-07	3	CalPA_Set WMP-07_Q3	a) Please confirm the date that the WRDM of was finalized. If It has not been finalized, please provide an estimated/date on which it will be finalized. b) Please provide a curried list of components that are used as inputs in v4 of the WDRM model. c) Please state the date of PGSE asset data used in v4 of the WDRM model. If there are multiple dates, include the most recent date for any asset data used in the ord, and any date(s) on which the data used in the model was collected. d) Please confirm that "asset data" in part (z) is geospatial (GIS) data from the operational system of record. Tinc, please state the origin(s) of the asset data.	a) The Wildline Distribution Risk Model (WDRM) vi has not been finalized. Model review and approval is scheduled for QZ 2023. The Wildline Distribution Risk Model (WDRM) vi has not been finalized, Model review and approval is scheduled for QZ 2023. The asset distance the WDRM vi was extracted from PG&E's EDGIS on January 1, 2023. Please see the response to 3c.	3/30/2023	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 CEIS GIS Data Standard Submission, PG&E is also providing non-confidential data from the Support Structure feature class. PG&E is not providing data for the Fuse feature class as this data is confidential critical energy infrastructure information (CEI).	4/10/2023	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 Wealther Station data, as delivered in the Q.4.2022 CEIS GIS Data Standard Submission. PG&E is also providing non-confideral 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 (CEI).	4/13/2023	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.	4/10/2023	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.	4/13/2023	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	Provide PSPS Event data. Notate Event Log, Event Line, Event Polygon data. Please exclude outsomer 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	4/10/2023	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 Line, Event Polygon data. Please exclude customer meler data. Provide all PSPS Event Asset Damage data including pitches.	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	4/13/2023	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, Ignilion, Transmission unplanned outage (as classified non-confidential), Distribution Unplanned Outage data, Distribution Vegetation Caused Unplanned Outage, Risk Event Asset Log	In response to this request, PG&E is providing non-confidential data for the Wire Down, ignition, Transmission Unplanned Outage, Distribution Unplanned Outage, Distribution Vegetation Caused Unplanned Outage, and Risk Event Asset Log feature classes and related table.	4/10/2023	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, Ignillion, Transmission unplanned outage (as classified non-confidential), Distribution Unplanned Outage data, Distribution Vegetaltion Caused Unplanned Outage, Risk Event Asset Log	In response to this request, PGSE is providing non-confidential data for the Wire Down, Ignition, Transmission Unplanned Outage, Distribution Unplanned Outage, Distribution Vegetation Caused Unplanned Outage, and Risk Event Asset Log feature classes and related table.	4/13/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
8	MGRA	Data Request No. 1	MGRA_Data Request	5	MGRA_Data Request No. 1_Q5	Provide photo data for Risk Events.	PGSE foces not have any non-confidential or non-privileged data to provide in response to this request. The photos provided in this feature class may be subject to attorney. Zilent privilege or the work product doctrine and may be subject to an ongoing investigation. Additionally, PGSE risk event photos are confidential CEII because they reveal physical facility and critical infrastructure locations.	4/10/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
8	MGRA	Data Request No. 1	MGRA_Data Request	5 SUPP	MGRA_Data Request No. 1_Q5 SUPP	Provide photo data for Risk Events.	PG&E does not have any non-confidential or non-privileged data to provide in response to this request. The photos provided in this feature class may be subject to attorney client privilege or the work product doctrine and may be subject to an ongoing investigation. Additionally, PG&E risk event photos are confidential CEII because they reveal physical facility and critical infrastructure locations.	4/13/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
9	MGRA	Data Request No. 1	MGRA_Data Request	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.	In reciprone to this request, POSE is providing non-confidential data for the System Hardening, Butta County Rebuild, and 10K Undergroundy WMP initiative programs that were included in the Circl Hardening, Confidential Position, and Circl Hardening Line feature classes and related table. Additional initiative projects reported in these feature classes include adds on where POSE Visue replacements, such replacements, surged SCACA enabled work in the been performed, and where future work is planned to take place. These replacements, and SCACAA enabled work has been performed, and where future work is planned to take place. The removed to more response, and the proposal facility and confidential confidence for the country. As such, than the been removed from the response.	4/10/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
9	MGRA	Data Request No. 1	MGRA_Data Request	6 SUPP	MGRA_Data Request No. 1_Q6 SUPP	Under hill alives, please provide Grid Hardening data, including Hardening Log, Hardening Point, and Hardening Line data. Inspection data is not requested at this time.	In reciprone to this request, POSE is providing non-confidential data for the System Hardening, Butta County Rebaild, and 10K Undergroundy WMP initiative programs that were included in the Cities Hardening, Cities featured possess and related table. Additional initiative projects reported in these feature classes included eads on when POSE to the replacements, such replacements, support and provided in the possess of the p	4/13/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
10	MGRA	Data Request No. 1	MGRA_Data Request	7	MGRA_Data Request No. 1_Q7	Under Initiatives, please provide Other Initiative data for point, line, polygon features and the Other Initiative Log.	In response to this request, POEE is providing WMP initiative program data for the Weather Station Institution and Optimization and Commission and Contraction and Commission Initiative Commission In	4/10/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
10	MGRA	Data Request No. 1	MGRA_Data Request	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, POEE is providing WMP initiative program data for the Westher Station Institution and Optimization and Commission and Contraction and Commission Initiative Commission In	4/13/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
11	MGRA	Data Request No. 1	MGRA_Data Request	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.	4/10/2023	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.	PGSE is providing the Red Flag Warning Day polygon data, as requested by MGRA.	4/13/2023	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 layer indicating calculated circuit-level risk using the methodology presented in the WMP. I. I'ndepender probability and consequence layers exist, please provide these independently as well.	The method described in the 2023 VMMP to aggregate model results is conducted to produce a circuit segment level with value but it is not used to produce a circuit level risk value. However, the geopatial representation of circuit aggments that would be provided in response to this data request involves the identification of CEIL, which we are required by law to maintain as confidential and cannot produce without the requesting party agreeing to protect the information through a non-disclosure authentic.	4/10/2023	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	Please provide a layer indicating calculated circuit-level risk using the methodology presented in the WMP. a. If independent probability and consequence layers exist, please provide these independently as well.	The method described in the 2023 WMP to aggregate model results is conducted to produce a circuit segment level risk value but it is not used to produce a circuit heler first value. However, the geospatial representation of circuit segments that would be provided in response to this data request involves the identification of CEI, which we are required by law to maintain as confidential and cannot produce without the requesting party agreeing to protect the information through a non-disclosure acreement.	4/21/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation

13	CaPA	Set WMP-08	CalPA_Set WMP-08	1	CulPA_Set WMP-08_Q1	PCAE: WIRP raises. The EVM Program concluded at the end of 2022 PGAE will continue to strengthen our other existing VM programs. PGAE is transitioning the maintenance of enhanced clearances that were actived in EVM to Routine VM patrols. We established rordine maintenance requirements for electric distribution circuits where EVM scope clearances have been performed (in HPTO designated areas) and passed by work, verification 4. 1) Does PGAE intends to achieve rehanced clearances in raises where they have not already been achieved through EVM, or is PGAE only intending to maintain existing enhanced clearances? 1) FTGAE Will pussue the achievement of enhanced clearances in raise locations, please published through a published and achieves of enhanced clearances in a collection published to exist a study for existing the enhanced clearance in each location is all booting which these to time in a given project location. If Deciding the clearance distances is a considered to the enhanced clearance of the enhanced clearance of the enhanced clearance projects and the enhanced clearance projects of the enhanced clearance projects of the enhanced clearance projects are considered to the enhanced clearance projects of the enhanced clearance projects and the enhanced clearance projects are considered to the enhanced clearance, please explain why.	a) 1) PGAE is extending the minimum clearance recommendations of 12 test in HFTD (per G.O. 56 Rule 35, Appendix E) to 12 feet within HFRA. 2) There is an anticipated increase of the removal vs times as it is the first course of action recommended at time of states get her business of the processor of the country of the	4/5/2023	82226	Vegetation Management and Inspections	Discontinued Programs
14	CaP/A	Set WMP-08	CalPA_Set WMP-08	2	CalPA_Set WMP-08_02	Regarding the new "Tree Removal Inventory Program" described in section 8.2.2.4 of PG&E's WMP, PG&E indicated. This is a new transitional program for 2023 stemming from the conclusion of the EVM program. This program is intended to work down trees previously identified. PG&E estimates that our EVM inventory included more than 300.000 trees at the end of 2022 United the Tere Removal hereotry program, we memore or re-inspect trees identified in the EVM program. 300.000 trees at the end of 2022 United the Tere Removal hereotry program, we memore or re-inspect trees identified in the EVM program. 300.000 trees at the end of 2022 United the Tere Removal thereof program, seemed or re-inspect trees in the end of 2022 United the EVM program of 2022 United the end of 2022 United the end of 2022 United the EVM program of 2022 Uni	If For Bis program the use of Transitional represents the program shandler from EMNI to or new The Investory Engram without Bid rose on working dome their diseascicular with the remaining ability. These with twee decided under EVM guidelines and will be over a period of lime based on resolution of constraints or other factors that Mandered completion of or lord. b) Yes, but not under the Tires Removal herefore Program, with is boased on memory gas Atom previously listed by the program. The way of the program is a proper to the program of t	4/5/2023	82224	Vegetation Management and Inspections	Tree Removal Inventory
15	СыРА	Set WMP-08	CalPA_Set WMP-08	3	CalPA_Set WMP-08_Q3	Regarding the new "VM for Operational Mitigations" described in section 8.2.2.2.3 of PG&E's VMP, PG&E states. This is a new transitional program for 2023 stemming from the conclusion of the EVM program. This program is intereded to help reduce outgines and potential grinines using a risk-informed, targeted plan to mitigate potential interested to help reduce outgines and potential grinines using a risk-informed, targeted plan to mitigate potential mitigation potential wegetation consists in CPS and target was present end sequential consists of the EVB and the EVB	only also is provide an estimation mentary towards at on of a process number. Journal of Journal of Management (EVM) at the end of 2022, we continue to evide an antibute since 2019. With the conclusion of Enhanced Vegidation Management (EVM) at the end of 2022, we continue to evide our Vegidation Management program. The use of Transitional for this program represents the evolution of the Vegidation Management program intrough the introduction of a new program. Vegidation Management and Vegidation Management program introduction that is introducted to evideous the program. Vegidation Management of Operational Management program introduction that is introduced to evideous the program. Vegidation Management of Operational Management of Op	4/5/2023	82223	Vegetation Management and Inspections	VM for Operational Mitigations
16	CaPA	Set WMP-06	CalPA_Set WMP-08	4	CalPA_Set WMP-08_Q4	Regarding the new "Focused Tree Inspections" described in section 8.2.2.2.5 of PC&E is WMP_PC&E states: This is a new transitional program for 2023 sineming from the conclusion of the EVM program. PC&E is well as the control of the EVM program. FC&E is section of the EVM program. PC&E is well described in damage during PSPS events, outleges, and/or ignitions. We have conducted a county-by-county review with reports SMEs and used this information to deverop polygonis where focused registration reports not with reports SMEs and used this information to deverop polygonis where focused registration reports not at least one search. The plot will develop and implement guidenies that inform inspectation plane will be probled in at least one search. The plot will develop and implement guidenies that inform inspectation. 3) Please explain what is meant by the word "transitional" in the first sentence. 3) Dises "ADCA" state for "Areas of Comorni" in his instance. If Incl., then please define it. (c) Please describe PC&Es methodology for developing the abovement/enerologistration of the plane of (c) Please describe the following appeals of the plat or pilots? (d) Please describe the following appeals of the pilot or pilots. (e) Dises and objectives in the plane of the p	b) The Wilder Data Flash Model (WDRM) via was uillined by prioritized GEZE2 for the WDRM programs. Towards are conclusion of EVM no 2022. For this program Transitional's is used to recognize similar targed edifforts to residue risk formerly associated with EVM tall go beyond compliance mandated detamance. All three programs are intended to them recovered to the program of the program of the program are intended to the modeling in VM with SCE and SDEAE. As a result, PDEAE has developed data and SME informed "Areas of Concentration (CCC) to pilot enhanced barged in programs where the analysis indicates invessed in the expectation facilities in Policy and the expectation facilities in Policy and the PDEAE has developed data and SME informed "Areas of Concentration (CCC) to pilot enhanced bargeded inspections where the analysis indicates invessed risk of vegetation fallities the plant of the policy of the program has been prioritized using information from the Wildelfe Euchhorish (PDEAE) and PDEAE and PDE	4/5/2023	82225	Vegetation Management and Inspections	Focused Tree Inspections
17	СыРА	Set WMP-08	CalPA_Set WMP-08	5	CaPA_Set WMP-08_Q5	PG&E states on p. 539 of its WMP: PGSE 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 infocuous in 2021 8 s) Please describe the abovementioned "data and analysis" that shows that "the risk reduction of the EPM program is less than the risk reduction from the EPSS program. If the program is less than the risk reduction from the EPSS program that are the risk reduction of the EPM strains and the program is the program of the PSS program of the start of the PSS program is the risk reduction of the EPM statement quoted above.	In PLASE Introduced the companions of rais reduction and Real Spend Efficiency (RES) of ERSS to RNA in the 2022 WMP and 2023 GEOR Spephermal Falling in February 2022. The companions is described in the 2023 GEOR, 1985 to RNA in the 2022 MNP and 2023 GEORGE AND ADDRESS A	4/5/2023	8234	Vegetation Management and Inspections	Fall-in Mitigation

18	СаРА	Set WMP-08	CalPA_Set WMP-08	6	CaPA_Sk(WMP-08_O8	PGEE states on p. SSB of its WIMP. Additional Cycendroval Miligations such as PVD and DCD will also help to miligate risk previously prescribed to EVM. As a result, PGEE concluded the EVM Program at the end of 2022. Joses PVDL relator for "Petal Vollegate Decelorian" in its instance? Please define if not. (a) byte has profite for the program of the end of 2022. (b) the has PGEE determined that EVD will help to miligate risk that PGEE previously sought to miligate with EVM? (d) Which particular risks will PVD help miligate that PGEE previously sought to miligate with EVM? (d) Which particular risks will PVD help miligate that PGEE previously sought to miligate with EVM? (d) Which particular risks will PVD help miligate that PGEE previously sought to miligate with EVM? (f) No has PGEE determined that CGD will help to miligate with that PGEE previously sought to miligate with EVM? (g) Please provide any available documentation and analyses showing that DGD will help to miligate risks that PGEE previously sought to miligate with EVM?	a) Yes. "DUT refers to Partial Voltage Detection." b) Yes. "DUT refers to Downed Conductor Detection. c) Partial Voltage Detection (and subsequent force outs of the nearest upstream SCADA capable device) are part of a delense in depth strategy that supplements for leaves by the property of the development of the device of the partial Voltage Detection (and subsequent force outs of the nearest upstream SCADA capable device) are developed to the development of the de	4/5/2023	8234	Vegetation Management and Inspections	Fall-in Mitgation
19	CalPA	Set WMP-08	CalPA_Set WMP-08	7	CaPA_Set WMP-08_07	On pp. 314-316 of PG&E's WMP, PG&E divides its operational mitigations into four different groups. Group 2 includes "impections and maintenance programs where we exceed compliance requirements until permanent control of the programs of the program of the programs of the program of the programs of the program		4/5/2023	723	Wildfire Miligation Strategy Development	Interim Mitigation Initiatives
20	CaIPA	Set WMP-08	CalPA_Set WMP-08	8	CaIPA_Set WMP-68_Q8	On pp. 314-316 of PGAE's WMP. PGAE's divides its operational miligations into four different groups. Group 2 includes "tapections and maintenance programs where we exceed compliance requirements until permanent miligations are deployed and/or we implement new technologies so that we no longer need to exceed compliance requirements. For each of the Montago Group 2 miligations, raises table where PGAE intends to discontinue the PGAE intends to discontinue the Secondary of the Compliance of the Montago Group 2 miligations are deployed or new technologies are implemented: 1) Pina Clearing Program 1) Wood Management 9) Substation Defensible Space Program 9) Substation Defensible Space Program 10) Substation Defensible Space Program 10) Substation Defensible Space Program 10) Transmission Integrated VM 1) Timmegroup Response VM	At this time PCAE does not intend to discontinue any of the programsfinishines listed in Group 2 miligation. The programsfinishines are designed and implemented to ensure that PCAE maintains compliance with state and federal regulations, as well as miligate portions of the system that may be exposed to widtler insix that cannot be managed through our control programs pending the implementation of System Retineen miligations. In the father, the programsfilteries that coxed compliance, PCAE may determine to stay at compliance requirements based on risk or benefit information.	4/5/2023	7.23	Wildfre Miligation Strategy Development	Interim Mitigation Initiatives
21	CalPA	Set WMP-08	CaiPA_Set WMP-08	9	CalPA_Set WMP-08_Q9	Regarding the new Tree Removal twentory Program described is section 8.2.2.4 of PGAES WIMP, PGAE stakes: "PGAES estimates that our EVM inventory included more than 300,000 trees after end 200222." Table 8-14, PGAE's VM Targets, p. 502, states that PGAE will remove approximately 60,000 trees identified from the leave; EVM program through the end 20025.11 and 30 ket the 0,000 trees identified from 19 ket the 0,000 trees identified from the leave; EVM inventory? PGAES EVM inventory? Joseph 100, see 1,000 trees identified from the leave; EVM program? a subset of the trees in PGAES EVM inventory? Joseph 100, see 1,000 trees inventory in the program of the pro	a) Yes, the CRX treat come from the group of approximately 3855 E/M trees entending. We plan to work down the dock associated with the 3854 trees sharing with 545 trees in 2023, 2001 trees in 2024, and 265 trees in 2025, which results in 60f4 tree theirig seriored through 305. 9) PGEE has operation militigation including EPSS enablement in place. Additionally, PGEE conducts and will conflicte to conduct annual Routine and Second Patrol of these areas and address any Priority 1 or 2 hazardous tree conditions accordingly. c) NIA 10 PGEES WMP, p. 528. 11 15,000 trees in 2023, 20,000 trees in 2024, and 25,000 trees in 2025.	4/5/2023	8.2.22.4	Vegetation Management and Inspections	Tree Removal Inventory
22	CalPA	Set WMP-08	CalPA_Set WMP-08	10	CalPA_Set WMP-08_Q10	Per Table 8-12, Vegetation Management Implementation Objectives, PG&E's Focused Tree respection Program is currently under development. By the end of 2005, PG&E plans to "Fully implement AFO cross-functional team to implement guidelines across all AFO." Constitution of the PG&E's SEM in the PGAE's SEM program has been discontinued, and that its Focused Tree Inspection Program has not yet been fully developed, how with PGAE alsess the risk of these faithing during the period from 2002-20020.	PGAS will continue to assess the risk of the fall-ine during the period from 2023-2025 through the Distribution Routine and Second Patrillo programs accordingly the identification of hardroods or other emergent priority texes is embedded into all VM tree starting and varietizations are the resulting and varietization and quality programs. It is also that the programs are the resulting and varietization and quality programs. The programs are the resulting and varietization and programs are the resulting and the programs are the resulting and the programs are the result in the result i	4/5/2023	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
23	CaIPA	Set WMP-08	CalPA_Set WMP-08	11	CalPA_Set WMP-08_Q11	Table 6-14, PG&Es VM Trapps, safes that PG&E will collect LIDAR data on its Transmission System (17,500 critical finiles). 1815—52. Electrical infrastructure, states that PG&E has a total of 18,111 circuit miles of overhead transmission and the property of the property	A) No. PGEs will collect LIDAR data on all overhead Transmission circuit miles. c) The difference between LIDAR Transmission inspections mapped on ETGIS and our LIDAR vendor's data is due targetly to parallel circuits and some generally difference; noise and confirmed against circuit focusion and length from largetly to parallel circuits and some generally difference; noise are confirmed against circuit focusion and length from indicates their completed miles on 100% of PGAE Transmission circuit miles, we use the ETGIS miles. PGAE confirmes to use ETGIS wisles as this is no raised data.	4/5/2023	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	CalPA_Set WMP-08_Q12	Table 8-14, PG&E's VM Targets, states that "Each of the 3 programs (Routine Distribution, Routine Transmission and Pole Clearing) must achieve a 95% quality verification audit results pass rate. Please describe the actions PG&E will take during the 2023-2025 period if a program does not achieve a 95% program	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.	4/5/2023	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
25	CaIPA	Set WMP-08	CalPA_Set WMP-08	13	CalPA_Set WMP-68_Q13	pass rate on quality welffication audits. Table 6-18-11, Vegetation Management QV Program, lists the following audit pass results for 2022 VM work: Distributions 91, 25% Transmission 94.2% Vegetation Control Plec Clearing; 90.3% 3) Please describe any actions PG&E has believed rejoine to table to improve the Distribution VM audit results pass so the program of th	a) improved quality verticals have been established for 2023, allowing for greater insight into overall VM work product throughput and risk identification/insignation. Clear definitions of acceptance criteria, sampling methodology. and risk identification/insignation. Clear definitions of acceptance criteria, sampling methodology. and pass rate calculations were established and communicated across the VM organization prior to beginning 2023 audits. b) improved quality verticals have been established for 2023, allowing for greater insight into overall VM work product throughput and risk identification/insignation. Clear definitions of acceptance criteria, sampling methodology, population eligibility, and pass rate calculations were established or communicate across the VM organization prior to beginning 2023 audits. c) improved quality and pass rate calculations were established for 2023, discussing for greater insight into overall VM work product of improved quality predictions. Clear definition of acceptance criteria, sampling methodology, oppulation eligibility, and pass rate calculations were established and communicated across the VM organization prior to beginning 2023 audits.	4/5/2023	8.2.5.1	Vegetation Management and Inspections	Quality Assurance and Quality Verification
26	CalPA	Set WMP-08	CalPA_Set WMP-08	14	CalPA_Set WMP-08_014	Regarding the "Delithuluno Second Patric" described in section 8.2.2.2 of PGEEs WMP, PGEE dates: TSGE has implemented apins to complete the identified deadlibying two was within 106 years of FTD reases and within 305 days for ron-HFTD areas. 3 What specified peeps, actions, or measures are included in the plan roded in the quate above. In other words, and within 105 days in FTD areas and within 105 days in FTGE labeling to extract the following the policy of the completed within 116 days in HFTD areas for its Distribution Routine PGEE for the part (c) p	a) To ensure that detaildiping the work is completed with 180 days in HFTD and 365 days in no.HFTD PCEE VM has developed a process to report call in the Operating Reviews and Weekly Operating reviews at multiple fluctional levels in-cluding VM laedership and VM execution - the status of dead and dying level. And the order interinger shall be subjected to the process of the order interinger shall be subjected to the process of the order interinger shall be subjected to the order interinger shall be subjected to the order interinger interinger. In the state of the order interinger interinger. In the complete deciding rise work which intering the order interinger interinger interinger interinger interinger. In the complete deciding rise work within morths (180 days) of identification. 1) Yee, PCEE does plan to additional deciding the single interinger in the stated transferance in HFTD and non-HFTD in digital complete interinger. In the order interinger in the stated transferance in HFTD and non-HFTD in digital complete interinger.	4/5/2023	8.2.2.2	Vegelation Management and Inspections	Distribution Second Patrol
27	CalPA	Set WMP-08	CalPA_Set WMP-08	15	CalPA_Set WMP-08_Q15	Regarding the "Defensible Space Reportion" described in section 8.2.2.3 of PGETS WMM_PGET author. Landware related issues confline by revened PGEE from sterilor (30 percent defensible space completion status at locations where substation defensible space zones cettered into privately owned propriety." 3) Where substation defensible space corner section in the privately conned propriety. PGEE's process for completing defensible space inspections? 9) What actions Gen PGEE plan to bed unity the 2023-3025 WMP period to address landware related issues in order to achieve the highest possible defensible space compeliors status.	a) When defenable space zones elected orto private property, outeach to such bardowners is made in advance to dothal permission to enter and conduct imprecion. If access is oftened and found to be without applicable examents, the imprecion of the private property of the property of t	4/5/2023	8.2.2.3.1	Vegetation Management and Inspections	Defensible Space Inspection

											_
28	CaPA	Set WMP-08	CaiPA_Set WMP-0	: 16	CalPA_Set WMP-48_016	Regarding "Wood and Slash Management" described in section 8.2.3.2 of PGSE's WMIP_PGSE states: "Chips are left on site or removed off site based on course preferences." PGSE wither states that "Wood Management is a voluntary program in which property owners must got in to participate." by How does PGSE record tall and/owner opins to be Veroot Management program? c) How does PGSE record tall and/owner opins to be Veroot Management program? d) Once a Indicatement got site to New Management programs, how quickly does be program become effective? d) Once a Indicatement got site to New Management programs, how quickly does the program become effective? e) How does PGSE inform VML contractors of the Indicatement VMC and Management op PGSE inform VML contractors of the Indicatement VMC and Management op PGSE inform VML contractors of the Indicatement VMC and Management op PGSE inform VML contractors of the Indicatement VMC and Management op PGSE VML and Management VMC and Management op PGSE VML and Management VMC and Management V	and FTGEE is useful to contact a tendemore regulating their preference for word dripe, creas util remove the wood dripe where the to low in Econosis done red and where orderings and wood dripe removal, creas will for an a contact debrit on sale in accordance will applicable regulations. In the second preference is programmed for brandowners to request wood management. PEGE field personnel adentity to engage with landowners is person about the work and wood management preferences at the time of interest the respect of the present preference and the time of interest present present preference and the time of interest present pr	4/5/2023	8232	Vegetation Management and Inspections	Wood and Slash Management
29	CaPA	Set WMP-08	CalPA_Set WMP-0	17	CalPA_Sel WMP-08_Q17	Regarding "High-Risk Species" described in section 8.2.3.6 of PG&E's WMP, PG&E states: "There are no governing standards for high-risk species." by If the answer to part (a) is very, when does PG&E expect to complete development of such standards? of the answer to part (a) is no, please explain why not.	a For Routine and Second Pants, PGSE does not currently have standards opported to high-risk species. Tree identified during them impection cycles that require mitigation per PGLZGSB and COSE have 5 are expected to be identified and isseld for work regardless of species. A new program, Focused There Inspection (FTT) is being pilled attaining in 20 220 58 and will interpose the period undage analysis informed by the exacted outspase within Areso of which the period of the period outspase within the AGC polygons in advance of FTL When detailed outspay data is available, this snayles will indicate vegetation caused outspay that the program specific guidance that relates to regional high-risk species. PGSE will be reported by the program of the period of these pillots may inform development of program specific guidance that relates to regional high-risk species. PGSE will be not be reported on the period of the perio	4/5/2023	823.6	Vegetation Management and Inspections	High-Risk Species
30	CalPA	Set WMP-08	CalPA_Set WMP-0	18	CalPA_Set WMP-08_Q18	PG&E's WMP states, in Table 8-18-3, VM Field QC Metrics Report, that pass rates are "not a WMP target" for 2023-2025. 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 settling target 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.	4/5/2023	8.2.5.2	Vegetation Management and Inspections	Quality Control
31	СвРА	Set WMP-08	CalPA_Set WMP-0	: 19	CalPA_Set WMP-08_Q19	Table 6-19, Priority 1/Priority 2 and Second Patrol Trees Categorized By Age, shows 296 priority 1 or 2 trees that were inspected more than 180 days prior to February 28, 2023. Please provide a table with the following additional information for these 206 trees: 10 The carrent priority level of the inspection, as of February 28, 2023 1) The Carrent priority level of the second inspection of the priority for the priority second for the carrent inspection of the 170	The data for the 206 P-IP25Second Patrol rives can be found on YMMP Discovery2023_DR_CalAdvocates_006- For the 3 Priority 2 Trees and of the set of 256, please refer to tab P.2 Data'. a Priority 3 Trees and Priority 2 Trees and of the set of 256, please refer to tab P.2 Data'. b) Please see Priority in Column or to the 2 Pobla for the age in please see Priority 1 Condition, the "I vegetation is detimited to be an immediate risk to PGES belies, described as a Priority 1 Condition, the "I vegetation is detimited to be an immediate risk to PGES belies, described as a Priority 1 Condition, the "I vegetation is detimited to be an immediate risk to PGES belies, described as a Priority 1 Condition, the "I vegetation is detimited as pending Priority," and with the priority and procedure (TD-170DP-IT). "I vegetation is detimited as pending Priority," avoid with the Ref New area illub evidewed and mitigated as outlined in the VM Priority Tag Procedure (TD-170DP-IT). "I vegetation is detimited as pending Priority," avoid with the Ref New Bear was all the evidewed and the priority of the PGE	4/5/2023	82.6	Vegelation Management and Inspections	Open Work Orders
32	CaPA	Set WMP-09	CalPA_Set WMP-0	1	CalPA_Set WMP-09_C1	P. 10 of PGAE's WMP states. "We have completed certain programs and removed some less impactful targets from the 2023 WMP." a) Please list in "hesis 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 impactful."	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 "test injunction" in all substance. Include the parent was the control of the parent was the control of the parent was	4/7/2023	1	Executive Summary & Overview	N/A

33	CaPA	Set WMP-09	CaiPA_Set WMP-09	2 CaiPA_Set WMP-09_Q2	P. 107 of PGSE's WWP states. "Increased temperatures can cause electric equipment to age more quickly which will bronzed the need for more frequent asset replacements. Higher temperatures may cause equipment to fail resulting in customer outages." What steps has PGSE laken to midgate the increased risk of asset failure entricipated from rising themperatures by What steps does PGSE plan to take during the 2023-2025 WMP period to mitigate the increased risk of asset failure entricipated from rising temperatures?"	Inches the test statement is industrial in the CLUS AND	4/7/2023	5342	Overview of the Service Territory	Climate Change Phenomena and Trends
34	CaPA	Set WMP-09	CaiPA_Set WMP-09	3 CaiPA_Set WMP-09_Q3	P. 588 of PGAET's WMP adates: N 2022 we continued our assessment through the Electric Program Investment Charge 3.45, "Automated Fire Detection from Wildfree Alert Cameras," program. Through our assessment period we determined that Al detection on care and will improve or lederlican system and in 2022 we will seed a worder to Installa 4 detection on our cameras. 10 places provide any available studies, analyses or reports to support your statements in response to partia (a) and (b). The period of 2023, how much have PGAES and pales Al detection will improve be partial (a) and (b). The period of 2023, how much have PGAES studies and hell before the wind for the PGAE included and the Electrican from the Electric Program Investment Charge 3.45, "Automated Fire Detection from Wildfree Alert Cameras," program? 1) How much does PGAE forecast sponding on the Electric Program Investment Charge 3.45, "Automated Fire Detection from Wildfree Alert Cameras," program in each of the years 2023, 2024, and 2025? 1) When is the earliest dide that PGAE expects to resize benefits from automated fire detection?	a) PCBE ran a pilot of All bednodogy in 2021 to determine the efficacy of this new technology to assist with the detection and redistricts on of results from the 2022 a pipilot was unatured under the Edictic Program Investment Charge 3.6 in which multiple operated were continuously more than 6 the 2022 a pipilot was builded an exist an extension of the 2022 and provide adel sets to both continuously more than 6 the 6 the 2022 and provide adel sets to both continuously more than 6 the 2022 and provide adel sets to both continuously more than 6 the 2022 and provide adel sets to both continuously more than 6 the 2022 and provide adel sets to both continuously more than 6 the 2022 and provide adel sets to both continuously more than 6 the 2022 and provide adel sets to be continuously more detected in institute of which are sets and provided adel sets of the 2022 and provided adel se	4/7/2023	8342	Situational Awareness and Forecasting	Ignilion Delection Systems
35	CaPA	Set WMP-09	CalPA_Set WMP-09	4 CaPA_Set WMP-69_Q4	P. 174 of POSET's WARP delate. "The results of the PSPS Consequence Model are then calibrated to PGSE's Enterprise flish Model's MAVF flux Score for PSPS". For each component in PGSE's MAVF, explain how the results of the PSPS Consequence Model are calibrated to the MAVF.	TGGES PEPS MAYE Flask Exor includes safely, reliability, and financial components. The combination of the components results in solid MAVF Risks one for PSPS. To Safely PGGE uses the combination of 30th PGGES PSPS data and 30% US STANLING PGGES PSPS of the part of the political politi	4/7/2023	6223	Risk Methodology and Assessment	Risk and Risk Components Calculation
35	CaPA	Set WMP-09	CalPA_Set WMP-09	5 CaPA_Set WMP-69_Q5	P. 161 of PG&E's WMP discusses Group G. Above-Grade Hardware, in the context of PG&E's WTRM. Group G has two sub-groups. PG&E's states. "Sub-Group I consists of components where the life cycle closely aligns with start of the structure. These include the harge picke and both." The structure of the structure. These include the harge picke and both. The structure of the structure? Peesse explain your for this potential difference in its cycle between hanger plates and the structure?" Peesse explain your justification for your answer to part (d).	Jy Yes, the same hazard and threats are applied to all components within a grouping. Grouping a set of components in based on the following considerations: 1. Similar sased lifecycle: 1. Similar sased lifecycle: 2. Similar sased lifecycle: 3. Similar sased lifecycle: 3. Similar sased lifecycle: 3. Similar sased lifecycle: 4. Similar sased lifecycle: 5. Similar sased lifecycle: 5. Similar sased lifecycle: 5. Similar sased lifecycle: 6. Similar sased lifecycle: 7. Similar sased lifecycle: 8. Similar sased lifecycle: 8. Similar sased lifecycle: 8. Similar sased lifecycle: 9. Similar sa	4/7/2023	6221	Risk Methodology and Assessment	Risk and Risk Components Calculation
37	CaIPA	Set WMP-09	CalPA_Set WMP-09	6 CalPA_Set WMP-09_Q6	P. 153 of PGES w WMP states. "Op-risk sness are defined as the sness corresponding to those IOD x 100 m pulse that intersect PGES conhead electrical instantucture locations and that are in the upper 200p percentile base of or WDRM x 1 mix socres." a) by "upper 200 m percentile," does PGEE mees the 30th through 100n percentiles, as percentiles are only the percentiles are proposed to the percentiles are percentiles are percentiled and the percentiles are the percentiled and the percentile as the percentile are percentiled as the "Upper 20th percentiled" as the sterm is used in PGES x WMP? 1 from many currentless are included as the "upper 20th percentile" as this term is used in PGES x WMP?	scores. b) The "upper 20th percentile" 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 grid of square, 100 m x 100 m pixels; (2)	4/7/2023	6.4.1.2	Risk Methodology and Assessment	Top Risk Areas Within the HFRA
38	CaIPA	Set WMP-09	CalPA_Set WMP-09	7 CalPA_Set WMP-09_Q7	P. 73 of PG&E's WMP states, "We created a species-specific stress index model for PG&E tree 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) Please describe the data injust to shis model. d) Please describe the outputs of this model.	a) A species-specific these locks model for the health and mortality uses information related to temperature, rescriptation, evepotramprisation, and other enformmental trends to evaluate issues impacting the health and mortality. b) PG&E has not yet received the information from its vendor needed to develop the stress index model but expects to receive at shortly. Once the information is received, PG&E will perform additional analysis in order to test the feasibility of creating a species people model. PG&E has convended the information in its April 6, 2023 VMMP errats. c) PG&E has not yet orelated the model, as described in response to subject (5). PG&E has not yet created the model, as described in response to subject (6).	4/7/2023	4.4	Overview of WMP	Risk-Informed Framework

39	СыРА	Set WMP-09	CalPA_Set WMf	6 -09	CaIPA_Set WMP-03_G8	P. 123 of PCAE's YMP state. When contacting 3M states, PCAE employees and contractors must adhere to PCAE's Best Management Phractices (IBP*) where protectable. BMPs are considered practicable where physically possible and not conflicting with other regulatory. Collisions of substitutes and other regulatory (CO SS RNe SS and PMbR Resources Codes 4292 and 4253) or emergency response shadons. In the Committee of the PCAE and Contractors of the PCAE and Contractors on the PCAE and Contractors of the PC	New Boars Treatment on 14-yap. 20 of the Yarse Int LOT-Indept Fuel To Board Treatment Francisco, (1984-5) at Weightide Ministry and 15 (M) controls to measure compliance with environmental compliance requirements from 15 (M) controls to measure compliance with environmental compliance requirements from 15 (M) controls to measure compliance with COS 50 (New 18 a. 50, PRICA 5200 or 4250, or NERC Standard FAC-0003-41 (singulated to M) controls the Cost of the Standard FAC-0003-41 (singulated to M) controls the Cost of t	4/12/2023	545	Overview of the Service Territory	Environmental Compliance and Permiting
39	СыРА	Set WMP-09	CalPA_Set WMf	-09 BREV	CaPA_Set WMP-09_Q8REV	P. 123 of PG&E's WMP states: When conducting VM activities, PG&E employees and contractors must adhere to PG&E's Best Management. When conducting VM activities, PG&E employees and contractors must adhere to PG&E's Best Management. conflicting with other regulatory. conflicting with other with other regulatory. conflicting with other with other regulatory. conflicting with other regulatory. conflict	International Committee of the Committee	4/12/2023	5.4.5	Overview of the Service Territory	Environmental Compliance and Permitting
40	СвРА	Set WMP-09	CalPA_Set WMF	-09 9	CaIPA_Set WMP-09_Q9	P. 556 of PCAE's WMP states. "The primary target for secondary patrols is HFTD and HFRA but exceptions and additional areas are included to appropriately address vegetation associated risks." P. 267 states. "Septimings 1020, SPAE will use the manure leview of ADC, that we committed to doing in a late to the secondary patrols and "Second Patrols" in the two passages quoted above? If so, please explain the difference), by the contract of the secondary patrols and "Second Patrols" in the two passages quoted above? If so, please explain the difference), by the secondary patrols cover the entire HFTD? Please explain your answer. (3) to PCAE's affective and the secondary patrols are the HTDP relate explain your answer. (5) to PCAE's planning to cover fewer circuit miles with second patrols in 2023 than were covered in 2022? Please explain your answer.	a In the perception in age 500 called door, the term "secondary pathed" is used synopromously with the use of record Pathed in both term in effect second Pathed in each with the gludory requirements entire TASE for Second Pathed in both term in effect second Pathed in perception in the gludory requirements entire TASE for Second Pathed in the Pathed Proceeding (TD-1700-720), the VM Second Pathed program performs scheduled pathed sproving large for secondary pathed in the TD-1700-720 in the VM Second Pathed International Path	4/7/2023	82222	Vegetation Management and Inspections	Distribution Second Patrol
41	СвРА	Set WMP-09	CalPA_Set WMF	-09 10	CalPA_Set WMP-09_Q10	P. 342 of PCAE's WMP states, "in July 2021, PCAE isunched a multi-year program to underground 10,000 distribution circuit miles in high widtler risk areas." a) Since the July 2022 amountement of 18 10,000 mile undergrounding program, has PCAE performed any a) Since the July 2022 amountement of 18 10,000 mile undergrounding program, has PCAE performed any since the July 2022 miles of 19 10,000 miles of 19 10,	a) Yea F-OSEE determined that underigrounding approximately 10,000 miles will reduce approximately 7,000 miles will reduce approximately 7,000 miles will reduce approximately 7,000 miles (in the HETD. WICKNIE) version 2,000 fails (setrify) by 6 to 10,000 miles. We have subsequently validated that this was the context number of miles after the July 2001 to 10,000 miles. We have subsequently validated that this was the context number of miles after the July 2001 to 10,000 miles will be subsequently as the property of the p	4/7/2023	8.1.2.2	Grid Design and System Harderling	Undergrounding of Electric Lines and/or Equipment – Distribution
42	CalPA	Set WMP-09	CalPA_Set WMF	-09 11	CalPA_Set WMP-09_Q11	P. 989 of PCGE's WMP states, "on average, it takes 125 UG install miles to replace 1 OH mile. However, at times, this multiplier can be 2.5 times greater." Does PCGE's target of 10,000 miles of undergrounding refer to the number of OH circuit-miles to be moved underground, or the number of winderground circuit-miles to be installed?	The 10,000 mile target refers to the number of miles of underground conductor and aligned with the assumption of removing approximately 8,100 overhead circuit miles.	4/7/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 – Revise Process of Prioritizing Wildfire Mitigations
43	CalPA	Set WMP-09	CalPA_Set WMF	-09 12	CalPA_Set WMP-09_Q12	underground, or the number of underground circuit-miles to be installed? a) What is PG&E's current forecast cost per circuit-mile for undergrounding projects completed in the second half of 2025? b) Please provide workpapers to support your answer to part (a).	a) PEER 65 not provide a thread out per druit mine for undergrounding projects completed aspectically in the second bail of 2005 in a WIMP Howens, PEER 64 provides in appeal and cost (cold per druit mine) by year for undergrounding projects through out 2023 GRC Rept) pile (I/A, 21-65-021). IMPACE OF TRAILE 1-11 SYSTEM MARRISHORN UNDERGROUND-PORES ORIGINAL AND JUSTIUSTED AVERAGE UNIT COST FORECASTIO) (SMLLONS).	4/7/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
44	CaIPA	Set WMP-09	CalPA_Set WMF	-09 13	CalPA_Set WMP-09_Q13	What is PG&E's forecast RSE for undergrounding completed in the second half of 20257 b) Please provide workpapers to support your answers to part (a).	a) PGER does not forecast as RES for undergrounding projects planned to be completed specifically in the second hard of 2026 in la WPH However, in the 2023 GRC, PGER provided in RES of 5.4 in 2025 for underground system hardening (A. 21-06-021, Enable PGER-4, Chapter 8, p. 3-6. Table 3-1). b) Please see attlactment "VMM-Placevorg2022 DR. CaldAvocase (90-0013Marbif 51stm" for the requested information (on the "TSE Results" tab, cell ±12 for the 2025 Indergrounding RES with supporting data on the other tables). Comprehensively, input to support the RES Results to be expected in the contract tables of the following tables of the contract tables of the contract tables of the contract tables of the following tables of the contract tables of the cont	4/7/2023	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	CalPA_Set WMP-09_Q14	a) What is PG&E's current forecast cost per circuit-mile for covered conductor projects completed in the second half of 2025? b) Please provide workpapers to support your answer to part (a).	a) PGSE does not forecast costs per circult-mile for covered conductor projects in its WMP. However, PGSE did provide a unit cost of 5.1878 million per mile for overhead hardening in 2025 in its 2023 GRC (A. 21-06-021, Exhibit PGSE-4, Workpaper 4-28, line 18). b) Please see attachment "WMP-Discovery2023_DR_CslAdvocates_009-Q014Alch01.pdf" for the requested downwards.	4/7/2023	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	CalPA_Set WMP-09_Q15	a) What is PG&E's forecast RSE for covered conductor system hardening completed in the second half of 2025? b) Please provide workpapers to support your answers to part (a). Question 16	an PG&E does not forecast an RSE for covered conductor system hardening for the second half of 2025 in its WMP- However, in the 2023 GRCP, PG&E provided an RSE of 5.8 in 2025 for overhead system hardening (A. 21-06-021, EnhBr PG&E-L, Optimer 2, 3-3, 4, Tibilia 3-1). b) Please see attachment "WMP-Discovery2023_DR_CalAdvocates_009-0013Arth01.xism" for the requested information.	4/7/2023	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening -Transmission Conductor and Distribution
47	CalPA	Set WMP-09	CalPA_Set WMP-09	16	CalPA_Set WMP-09_Q16	In response to data request Californian Fore 2002 WIPPG-30, question 7.c. PGAE states. The primary approach for selecting miles used to risk prioritization methodologies. (1) Top 20 percent circuit segments based on the 2002 WIDPG 4.2, and (2) the Wileline Frauebildy Efficiency (WFE) related circuit segments based on the 2002 Provide an Excel battle of the WFE-rareked courts segments based on the 2002 WIPPG 4.2 and the circuit segment provide the following attributes as columns: 3 circuit segment provide the following attributes as columns: 3 circuit segment approvide the following attributes as columns: 3 circuit segment provide the following attributes as columns: 4 circuit segment provide the following attributes as columns: 5 circuit segment provide the following attributes as columns: 6 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provide the following attributes as columns: 9 circuit segment provi	Please see attachment "WMP-Discovery2023_DR, CaMAhrocates, 009-00164ch01_CONF.sfax" for the requested information from data request CaMcocates PGE-2020WMP-DQ, question 7c (projects identified for possible Please see column N of the attachment. Please see column Not fire attachment.	4/7/2023	7.2	Wildfire Mitigation Strategy Development	Wildlire Mitigation Strategy
48	CalPA	Set WMP-10	CalPA_Set WMP-10	1	CalPA_Set WMP-10_Q1	Table 8-3 on, 332 of PGEEs WMP states that PGEE will make capable for Down Conductor Detection (DCD): -00 devices in 2024, and -30 devices in 2024 and -30 device	a) DCD is capable of seeing from the device to "end of line", therefore we are able to provide DCD protection on most eighle high Fire Ros Area line mises by the end of 2022, then supplementing that coverage in 2024 and 2025, and 2025 area of 2025 area	4/10/2023	8.1.1.2	Grid Design, Operations, and Maintenance	Targets
49	CalPA	Set WMP-10	CalPA_Set WMP-10	2	CalPA_Set WMP-10_Q2	Table 6.5 or p. 336 of PCBEs (MMS shows a forecast reduction in the number of EPSS events of one to two percent aroundly from 2022 to 2025. a) What factors does PCBE capect to contribute to the reduction in the number of EPSS events discussed above? b) Why is PCBE's Poscart reduction in the number of EPSS events discussed above? c) Presse provide any available workpapers that support PCBE's forecasts regarding the number of EPSS events aroundly in 2025-2025.	a) For 2022, factors contributing to the reduction in the number of EPSS related outages are based on actors to install additional time Recidence (EU) and time Severe on the rights impacted protective zones to reduce the FFFA. Install additional time Recidence (EU) and the EPSS are setting to the EPSS program FPSE will show that the reduced time the EPSS are the EPSS are the EPSS are the EPSS program FPSE will show understate reliability miligations intended to reduce outage receivance on these certain protection zones (CPSS). that experience de protective are the EPSS was enabled in 2022. This will include proactive vegetation management work intermediate to existing vegetation management toop on critical protection zones (CPSS and accordance) and the EPSS was enabled in 2022. This will include proactive vegetation management work intermediate to existing vegetation management stoop on CPSS and experienced increases the existing and the EPSS was enabled in 2022. This will include proactive received based on excluded vegetation caused outages. Animal miligation work will also be performed on CPSS that operienced around order animal contains in 2022. In the EPSS was a second of the real-billy by With only one year of EPSS protection performance to review, we made a conservative estimate of the real-billy of POSE does not have an applicated wear application and compagement available.	4/10/2023	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_Q3	a) Does PG&E forecast a change in the average duration of EPSS everts during the 2023-2025 period? b) if the answer to pair (a) is yee, provide the expected average duration of EPSS events for 2023, 2024, and 2025 c) if the answer to part (a) is no. explaint with yord. d) Please provide any available workpapers that support PG&Es' forecasts regarding the duration of EPSS events in 2023-2025.	a) Not at this time. b) N/A UN of a this time. b) N/A UN or acquire more operating experience before being able to accurately forecast reduction in average duration for EPSS oxtages. We have lowered the target of bur hours to 210 minutes in 2023. d) PGSE dices not have any applicable workpapers available.	4/10/2023	8.1.13	Grid Design, Operations, and Maintenance	Performance Metrics Identified by the Electrical Corporation
51	CaPA	Set WMP-10	CalPA_Set WMP-10	4	CaIPA_SetWMP-10_Q4	P. 386 of PC&E's WMP states, with regard to DTS-FAST: A prototype field test installation was completed on a 115th lower in Martinez and a wood pole in Santa Cruz in 2011. The valuable leasures learned have been updated to streamline deeplay, increase scalability, and reclaim protocome in the season state of the feel of the scalability and reclaim protocome in the season state of the feel set installation in Martinez. 3) Please provide data on the results of the field set installation in Martinez. 3) Please provide data on the results of the feel set installation in Martinez. 5) Differ than working through the patiest commission process, which steps does PC&E plan to take in 2023 to three develop DTS-FASTO the plan deficient DTS-FASTO the state of the PASTO the P	A JULY STACK IT all resignations payment or services are subcontragent or use a resourcement and a variable on the members of the services of	410/2023	81282	Grid Design and System Hardening	Emerging Gold Handening Technology Installations and Plots
52	CalPA	Set WMP-10	CalPA_Set WMP-10	5	CalPA_Set WMP-10_Q5	P. 35T of PCAE's WMP states, "If deployed, DTS-FAST could have a significant impact on wildfire risk where supplies." Ja Please quantify the phrase "a significant impact on wildfire risk" in the above quote. b) Please provide any workpapers or studies to support your answer to part (a).	I) Please quantify the primate is supplicant impact on widther falch. In the above, qualst, We do not have except, which provide a provide quantification of the impact of this fallow. The despited serious replants in designed to actively with not provide a provide quantification of the primate primate provides a designed to actively with the provides of the provides of the designed to active provides of the designed to active provides of the	4/10/2023	8.1.2.6.1	Grid Design and System Hardening	Emerging Grid Hardening Technology Installations and Pilots
53	CalPA	Set WMP-10	CalPA_Set WMP-10	6	CalPA_Set WMP-10_Q8	P. 464 of PG&E's WMP states. "In 2022, we reduced the Customer Average Interruption Duration Index (CADI) and Customers Experiencing a Sustained Outage (CESO) for customers served by EPSS-capable lines when compared to data from the 2021 program pilot." a) Please provide the CADII value for all HFTD customers for each year from 2018-2022. b) Please provide the CSBO value for all HFTD customers for each year from 2018-2022.	Please see "WMP-Discovery2023_DR_CallAdvocates_010-Q006Alch01.xisx."	4/10/2023	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
54	CalPA	Set WMP-10	CalPA_Set WMP-10	7	CalPA_Set WMP-10_Q7	b) Please provide the CESO value for all HFTD outdomers for each year from 2018-2022. P. 464 of PG&Es WMP states, "by the end of 2022, we responded to 80 percent of outlages on EPSS-enabled lines within 60 millox, exponding on average within 42 minutes." The statement above refers to results achieved "by the end of 2022." What time period is this data drawn from? In other words. Net 42-minute flour is an average of resonors times in what second of time?	The 42-minute figure is an average of the response time to all outages on EPSS-protected circuits in 2022 since EPSS Outage Response time tracking began. The timeframe covered is May 23, 2022 – December 31, 2022.	4/10/2023	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
55	CalPA	Set WMP-10	CalPA_Set WMP-10	8	CalPA_Set WMP-10_Q8	P. 464 of PC&E's WNP states, "by the end of 2022, we responded to 89 percent of outlages on EPSS-enabled lines within 60 minutes, responding on average within 42 minutes." For all outlages on EPSS-enabled lines in all of all Average presponse line all Average presponse line all of the enabled lines in all of all Average presponse line all of the enabled lines in all of all Average presponse line all of the enabled lines lines lines are all of the enabled lines lines lines all of the enabled lines lines lines are all outlages on EPSS enabled lines in all of all Average response lines all of the enabled lines lin	2022 EPS CUTACE RESPONSE TAME 25TH PERCENTLE RESPONSE TIME 25TH PERCENTLE RESPONSE TIME 25TH PERCENTLE RESPONSE TIME 15TH PERCENTLE RESPONSE TIME 15TH PERCENTLE RESPONSE TIME 124 24 25 25 25 26 26 27 26 27 26 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	4/10/2023	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfre Risk

56	CalPA	Set WMP-10	CalP	A_Set WMP-10	9	CalPA_Set WMP-10_Q9	P. 456 of PC&E's WINP states, "By the end of 2022, we responded to 89 percent of outages on EPSS-enabled times within 60 minutes, responding on average within 42 minutes." For the 11 percent of outages (roted in this quarter on EPSS-enabled times that PC&E did not respond to within 60 minutes, provide the following. b) Language reporter time.	SIZE PERS OUT/AGE RESPONSE AVERAGE RESPONSES NO MINUTES LONGEST RESPONSE TIME OR RESPONSES NO MINUTES OF THE PROPERTY OF THE PERSONNE TIME OF THE PERSONNE T	4/10/2023	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
57	CalPA	Set WMP-10	CalP	A_Set WMP-10	10	CalPA_Set WMP-10_010	P. 441 of PGSE's WMP states, "We plan to implement a QA [quality assurance] program for systems inspections: a) Please discuss the progress PGSE has made so for in implementing QA program for systems inspections. of Please describe the main features of the QA program that PGSE plans to implement. d) What are the probable limitations of the QA program that PGSE plans to implement?	Note: Table values reflect available data since EPSS Outge Response time stacking legan. The timeframe for tracking in 2022 was May 2.2 2022—Desember 31, 2022. a) The Incitoch that has been historically referred to as "quality verification" is not at component of the QA program for systems impostions and will be referred to as "CA" after that "O'! moving floward". We have made significant progress on this work and the program has been implemented. (b) Main features are described in Section 1.6.1 of our 2023 MMP: A Quality Verification ((O') function will be performed in 2023 that provides analysis and program value. The function historically referred to a 20-vice. We have the properties of the control of the CAP program. However, as the program continues, effects will be believed procaclely identify inflications as the privary interestity-owned crudates.	4/10/2023	8.1.8.1	Quality Assurance and Quality Control	Quality Assurance
58	CalPA	Set WMP-10	CalP.	A_Set WMP-10	11	CalPA_Set WMP-10_Q11	P. 4.41 of PG&E's WIMP 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 systems inspections. b) When does PG&E expect to complete its updates to existing QV procedures for systems inspections? c) Please decurble how the planned updates will improve PG&E's existing QV procedures.	a) The quality learn is currently undergoing a florough review of the prior QV procedures as an initial step in the development of updated procedures. b) Expected completion of this work is the end of the third quanter of 2023. c) The planned updates improve upon PG&E's existing QV procedures by accurately reflecting the QV role in the holistic systems inspected in thoughput.	4/10/2023	8.1.6.1	Quality Assurance and Quality Control	Quality Assurance
59	Сырд	Set WMP-10	CaiPi	A_Set WMP-10	12	CalPA_Set WMP-10_Q12	P. 450 of PCAETs WMP states. 'Along with reducing widthe risk related to backing lyntion risk-tags in HETDHFRA, new ICE ontifications identified after January 114, 2023 HETDHFRA (gritton risk tags will be completed in compliance with CoS for lest Binefines, burging external factor. a) What external factors does PCAET anticipate may prevent it from completing HETDHFRA/ignition risk tags in compliance with CoS Float Is filtering report and the completing het TDHFRA/ignition risk tags in charged the completing of the completing report in the completing het possible of the completing het have a provided to the completing report of the completing het possible report in have a possible of the completing report in the completing het possible report in have a possible report of the completing report in the completing report in the completing in compliance with CO 95 rule 18 timelines for those ignition risk tags located outside the HETDHFRA/ Please explain your arrawer.	In reasonable circumscens with may impress the execution and a set income. Learning reasonable programments without may impress the execution against tables, objectives, other voicy or performance metrics including, but not limited to, physical conditions, bushfolder refusals, environmental delays, customer refusals conditions, but not limited to, physical conditions, bushfolder refusals, environmental delays, customer refusals conditions, and the experimental delays, and the experimental delays of the experimental delays. As an example, the severe delays and repeated destines the first quarter of 2015 have caused delays in performing our asset tag to 15 hypotal conditions. To mitigate the impacts of physical conditions, we work with our faedership and strategy terms were unated in the experimental delays. The experimental delays of the experimental delays of the experimental delays. To mitigate the impacts of family delays decreased the experimental delays. To mitigate the impacts of family delays, we work our local governmental delays. To mitigate the impacts of family delays, we work with our faedership and strategy states the refusals in the most efficient way operated with work. As the conditions, we work with our faedership and strategy where we must simply award the removal of the external conditions in order to proceed with work. Environmental delays. To mitigate the impacts of customer refusals or non-contacts, we work with our faedership and delays where we must simply award the removal of the external environmental delays, we work with our faedership and delays and the removal of the desired and contact on order to proceed with work. So there is no other reasonable alternative. Customer feedase or non-contacts. To mitigate the impacts of customer refusals or reno-co	4/10/2023	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tage.
60	CalPA	Set WMP-10	CalP	A_Set WMP-10	13	CalPA_Set WMP-10_Q13	Table PGSE-5.17-1 on p. 451 of PGSE's WINP rates, "Fled Safety Reassessment (FSR) performed annually on time dependent lays to confirm Priority E Notification has not excalated to Priority A or 8." explain your annually on procedures and priorite, can a "FSR feercalate he priority of a notification? Please explain your annuer. 9) Under PGSE carrett procedures and politice, can a "FSR be used to extend the due date of a notification beyond CO 35 rule 18 timelines? Please explain your answer.	a) The FSR program is focused on identifying conditions that have excitated by Priority A and B. Inspectors can askip recommend that an officiation be carcined if they believe I was received in error, in no Indication because of the Psychiatry of	4/10/2023	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
61	СыРА	Set WMP-10	CalP.	A_Set WMP-10	14	CalPA_Set WMP-10_014	Table PG&E-8.1.7-3 on p. 456 of PG&E's WMP has empty cells in the HFRA row. a) Please explain why the HFRA row empty in the above table. b) Please provide an spoked version of PG&E-8.17-3 with the HFRA row filled in.	PGSE preforms to mitigate potential safety impacts. Table 1 telow staves the number of open distribution was create stategizated by HFT De Fino (1) 2003 Brough 0.4 2022 and is led to the QDR datal provided to Energy Safety on March 1, 2023 The numbers in the March 1, 2023 QDR and edifferent to mit the number provided in Table-8.1.7-3 in PG&E's March Table 1 — Open Distribution Work Orders by HFTD Tier 2020 2021 Buffer 2020 Buffer 2020 Non-HFTD Area 5.7.116 7.7.116 7.7.116 7.7.116 7.7.117 7.7.117 7.7.117 7.7.117 7.7.118 7.7.118 7.7.118 7.7.118 7.7.119 7.7.118 7	4/10/2023	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tage
62	CalPA	Set WMP-10	CalP	A_Set WMP-10	15	CalPA_Set WMP-10_Q15	In response to data request CalAdvocates PCE-CZZZWIMP-OS, question 3, PCSE states. "There is an inherent OC process that is and the droin inergoristion, but there is no notation group that is looking at OC: a) Please describe the inherent OC process for droin inspections. What are the main features of this inherent OC process or droin inspections. What are the main features of this inherent OC process. b) What spec of problems of thave in droin inspections can the inherent OC process indefined in 2022. c) Pleases identify the five most common problems or thave in droin inspections that the inherent OC process identified in 2022. d) What are the limitations of this inherent OC process?	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 professed for the control professed in the control portionally caused a fire or ignition. c) The five most common problems identified in the OC process are C-hooks, insulators, cotter pins, shoe issues, and structural issues. d) We have not identified any limitations of the OC process at this time.	4/10/2023	8.1.3	Asset Inspections	N/A

83	TURN	001	TURN_001	1	TURN_001_01	In registrary (not recision content to the recision process process process process) and provide proximation and account of the process of the recision of the process of the recision of the process of the recision of the r	JR No. 1, Octobs 2002-2002 Wave observed provided in Companion or the No.Es of observation religionis. However, it is information, 1855 and the Instance and agregated level for willding RESE of alternate in religionis. In the Instance and agreement in the Instance and In	4/7/2023	Appendix D	Areas for Continued Improvement	ACI PG45-22-34 - Revise Process of Prioritizing Wildfre Miligations
64	TURN	002	TURN_002	1	TURN_002_Q1	Please provide the attachment to the response to CalAdvocates-PG&E-2023WMP-06-007, which PG&E has labeled as confidential	Please see attachment "WMP-Discovery2023_DR_TURN_002-Q001Atch01CONF.xisx" for the requested information.	4/7/2023	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-xisx" for the requested information.	4/7/2023	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-08-009, which PG&E has labeled as confidential.	The attachment to CalAdvocates-PG&E-2023WMP-06-000 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.	4/7/2023	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 floatincte 209, which indicates that PG&E has labeled the Workplan confidential.	Please see "WMP-Discovery2023_DR_TURN_002-0004Atch01_CONF.xlsx" for the requested information. The CONFIDENTIAL attachment is being provided pursuant to the confidentiality declaration	4/7/2023	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_Q1	Provide Atlachment 2023-03-27_PGE_2023_WMP_R0_Appendix D ACI PG&E-22-16_Atch01_CONF (PG&E's 2023-2026 Undergrounding Workplan).	*DRU11407.003_Confidentiality Declaration.pdf*. As requested, please see attachment '2023-03-27_PGE_2023_WMP_R0_Appendix D ACI PG&E-22- 18. Alx-hol COME view "datached."	4/5/2023	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, I any, listed in Section 8.2 s will use the TAT? c. If PG&E in to using its TAT, why has it discontinued its use?	a) The TAT was developed for the ENM program. The TAT will no longer be utilized as the ENM program concluded at the end of 2022. These are no curred plans to utilize TAT to support dier VM programs stated, b) No inspection programs stated in Section 8.2.2 of the 2023-2025 WMP plan to utilize TAT at this time. Please the response to part (a) of this question, c) The approach to the engaged critical results of the state of the stat	4/10/2023	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
70	CES	001	OEIS_001	2	OEIS_001_Q2	Regarding PG&E's Targeted Tree Species (TTS) Study and its Tree Assessment Tool (TAT) On page 784 of its 2022 WMP Update, PG&E states 'The results of our Targeted Tree Species study in conjunction with improving the Tree Assessment Tool (TAT) will allow PG&E to more accurately identify and militigate trees at elevated risk of fattier, providing before visibility in our No. Topage 75 of to 252-2505 VMP, PG&E states VMe have readed risk of states, providing before visibility in our for target tree Species Inyour tard continue to analyze them and consider our go-forward actions.* a. Since the Target Tree Species study as completed on March 1, 2022, what actions has PG&E takes and will take to implement the nine recommendations? Respond specifically to each of the nine recommendations. What improvements have been and will be made to the TAT in exponse to these. If PG&E is not using or planning to use its TAT, did PG&E make changes/improvements to the TAT before it decided to end its use? If so, what were those changes/improvements?	In the first Constitutionation in the provision for reads. In the first region of an explaned responsed solvy area was operating stage of the explaned and the provision of the	4/10/2023	823.6	Vegetation Management and Inspections	High-Risk Species
71	OES	001	OEIS_001	3	OES_001_Q3	Regarding PG&E's Focused Tree Inspections pilot a. Describe the current state of development for the pilot area, PG&E's Areas of Concern (ACC), and "polygons (appa CSG) and the expected timeline for provided the provided of the pilot area, PG&E's Areas of Concern (ACC), and polygons there focused vegetation inspection can be evaluated to determine appropriate counties to prioritize pilotic); (appa CSG) and the expected timeline for polygons where focused vegetation inspection can be evaluated to determine appropriate counties to prioritize pilotic); (but a third provided processes, procedures, and books are vegetation management personnel using/will vitize to perform thee risk assessments for this pilot? (WII) PG&B be using its flow WIA Tool of preciously pilot of PG&E has not yet begun its pilot, where will PG&B be conducting the Focused The respections pilot? If PG&E has not yet begun its pilot, where will PG&B be conducting the Focused The respections pilot? If PG&E has not yet begun its pilot, where will PG&B be conducting the Focused The respections pilot? If PG&E has not yet begun its pilot, where will PG&B be conducting the Focused The respections pilot? If PG&E has not yet begun its pilot, where will PG&B be conducting the Focused The respections pilot? If PG&E has not yet begun its pilot, where will PG&B be conducting the Focused The respections pilot? If PG&E has not yet begun its pilot, where will PG&B be conducted in Pocused The pilotic policy of the pilot are provide the. COZ number of the pilotic policy of the pilot are provided by it. The Weighted Park from PG&E and recent version of its EVM Tree-Weighted Prioritization List. it. The Weighted Park from PG&E and recent version of the EVM Tree-Weighted Prioritization List. It is prioritized to pilot continue the PG&E plans to inspect under this program in 2023 and 2024. Provide a GS Branch for the pilot was PGSE's Aveas of Concern (ACC), 1 and *Pogness where focused vegetation inspection can be evaluated to determine appropriate counties to p	a Proof register ACUs towards and outward towards and extended to the PL I I I I I I I I I I I I I I I I I I	4/10/2023	82225	Vegetation Management and Inspections	Focused Tree Inspections

						.					
71	OEIS	001	OBS_001	3 SUPP	GEIS_001_Q3 SUPP	Regarding PG&E's Focused Tree haspections pilot a. Describe the current side of development for the pilot area. PG&E's Areas of Concern (AOC), and "polygons (page SQ) and the expected immine for operationsitization. b. Delat the current side of several and is using to develop the pilot area. PG&E's Areas of Concern (AOC), and "polygons where focused vegetation inspection can be evaluated to determine appropriate counties to prioritize operationsitization. b. Delat the current PG&E has and is using to develop the pilot area. PG&E's Areas of Concern (AOC), and "polygons where focused vegetation inspection can be evaluated to determine appropriate counties to prioritize - What standards, processes, procedure, and tools are vegetation management processed using while time to perform their risk assessments for this pilot? d. WIN FG&E be using the Chew Tibor for recordisepting for this pilot? If not, what system will PG&E use for recording tempting to this pilot. The concern Time Impactions pilot? If PG&E has not yet begun its pilot, where will PG&E be confidently the PGME and Time PGCAP (To PGAE) and the pilot area provide the PG&E be confidently the PGME and Time PGCAP (To PGAE) and the pilot area provide the L. The Weighted Plank Som PG&E's most recent vention of its CMI Time-Weighted Prioritization List. B. The Weighted Plank Som PG&E's most recent vention of its CMI Time-Weighted Prioritization List. B. The Weighted Plank Som PG&E's most recent vention of its CMI Time-Weighted Prioritization List. B. The Weighted Plank Som PG&E's most recent vention of its CMI Time-Weighted Prioritization List. B. The Weighted Plank Som PG&E's and the Concern (AOC); I am "polygons wide concerd vegetation inspection can be evaluated to determine appropriate countries to prioritize pilots(s)" (page S29). As L. White PG Towards circuit intelle within the polygon B. Overall Utility Risk. L. PGP Risk. V. PGP PG&E.	b) 2023 development of Anses of Concern (ACC) pase (WDRM 4.9 by priorition, CD2s to inform the pilled sees selected to the floar ACC selected for pilled sees on 31 CP2s total. (2.4 d text of CP2s notes) were selected for pilled sees on 31 CP2s total. (2.4 d text of CP2s notes) were selected to 2022 and EVM Tree Weighted float Scores and Rankring are available to accurately cross-reference, 9 CP2s d on the EVM Tree Weighted Risk Scores or Arrain(s). These onitions are due to broad origination and/or operating number changes that do not allow for matching with the WDRM v2 CP2 list. Where available EVM Tree Weighted Risk Score and EVM Tree Weighted Rank are provided in the table below.	4/19/2023	82225	Vegetation Management and Inspections	Focused Tree inspections
71	OEIS	001	CES_001	3 SUPP_2	OEIS_001_03 SUPP_2	Regarding PGEE's Focused The Inspections pilot A Describe the current shale of development of the pilot area, PGEE's Areas of Concern (AOC), and "polygons where focused vegelation inspection can be evaluated to determine appropriate counties to prioritize pilote(s)" (page SC0) and the expected interims of the pilot area, PGEE's Areas of Concern (AOC), and Describe the continue PGEE has and is using to develop the pilot area, PGEE's Areas of Concern (AOC), and Polygons where focused vegelation inspection can be evaluated to determine appropriate counties to prioritize pilote(s)" (page S29). Let the continue PGEE has and is using to develop the pilot area, PGEE's Areas of Concern (AOC), and Let the county of the pilot" Let the county of the pilot" Let the county of the pilot" A WII PGEE be using its fore VM. Took for recordivelening for this pilot? FIGE has not yet begun its pilot, where will PGEE be confusiting the Toolset's Time of the pilot" A WII PGEE be using its fore VM. Took for recordivelening for this pilot? FIGE has not yet begun its pilot, where will PGEE be confusiting the Toolset's Time (PGEE) in the pilot area provide the. Let me way struct miles are in sociol for the pilot" What the pilot area previously in-scope for Enhanced Vegelation Management (EVM)? What the pilot area previously in-scope for Enhanced Vegelation Management (EVM)? The Weighted Plack Store from PGEE's most recent version of its EVM Tree-Weighted Prioritization List. The Weighted Plack Store from PGEE's most recent version of its EVM Tree-Weighted Prioritization List. The Weighted Plack store for the PGEE's and store for the properties assuming the pilot is a success? It so, detail those plans, including how many crime the PGEE pilot is not pilot Tree throughted Plack Store (PGEE). Described a CGE layer of the pilot area, PGEE's Areas of Concern (ACC), 1 and 1 polygons where focused applicable, proving the following attribute for each polygon: Number of overhead ciccut miles within the polygon.		4/27/2023	82225	Vegetation Management and Inspections	Focused Tree hispections
72	OEIS	001	OEIS_001	4	OEIS_001_Q4	Regarding PGAE's Tree Removal Inventory On page, 528, PGAE states that is will "temove, or re-inspect trees identified in the EVM program." The Should be stated to be stated to be stated to 1) simply absted based on the existing risk assessment or 2) re-inspected/trassessed prior to abstement? 5. What standards, processes, procedure, and tools are vegetation management personnel using livel use to perform tree risk assessments for this program?	1) 1) Trees in the inventory with a TAT result of Abster will abated based on the existing risk assessment. 2) All trees in the inventory with which ro TAT result or a TAT result of the Tan ABATE are to be re-assessed by a Tartee Risk Assessment Caulification (TRAI) impacts to determine a flashiment is appropriate. The impaction will be proposed to the propriate and the proposed to the propriate that the propriate the transportation will be proposed to be found and the propriate that the propriet that the propriate that the propriate that the propriate that	4/10/2023	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
73	GEIS	001	OEIS_001	5	OEIS_001_Q5	Regarding Wood Management On page 538, PGAE says that its wood management program addresses large wood generated by PGAE VM activities including positive work activities and wood generated by the EVM and a Considering the EVM program has been discontinued, does be wood management program: I. Address large wood generated from the EVM program that has not already addressed? I. Address large wood generated from the EVM program that has not already addressed? I. Address large wood generated from PGAE T for Rethrough inventivy program, a remarked the EVM program? Routinn-Second Patrol. VM for Operational Mitigations, and Footwelf Tere impections? C. When detain andor large wood generated from PGAE T with devides are left on the, what standards, protocols, processes, and procedure does PGAE use to ensure the debris and large wood are placed in a manner that I. Bock of Inflient prignes or oppose. I. Infinity on PFIC 4291 defemble space clearance. II. Implied watercourse and charges. V. Coditiot vith property owner is interests. V. Obervisie create a hazard.	have questions resulting form or work, they can reach out to our dedicated customer teams for support and resolution. In action an environmental convent, cross will address the wood in accordance with PG&E Best Management in action implemented at the time of tree work. In action implemented at the time of tree work. In A each properly is different, we collabore with the customer to find an optimal solution for the compeledion of our work on the property. At the time off all these work, cross will either chip and spread, lop and scatter or remove wood debris that is smaller Additionally, in adjument with PG&Es stand that everyone and everything is always safe, cross will address any large wood that post application safe by a priviled safety parts of the time of the large wood that post a pointed safety hard at the time of the work.	4/10/2023	8232	Vegetation Management and Inspections	Wood and Slash Management
74	OEIS	001	OEIS_001	6	OEIS_001_Q6	Regarding Erhanced Clearances On page 537 PG&E says 11 "complies with Appendix E of GO 95;" then goes on to describe the recommended minimum clearances set forth in Appendix E of GO 95. a. In the HFTID, does PG&E claim for ecommended clearances where practication of the production	a. The minimum clearance at time of work on Enhanced Vegetation Management is 12 feet as recommended in Appendix E of GO 95. Routine maintenance of previously cleaned EVM appare is also 12 feet. Routine maintenance of all other spans is a prescribed 2.3 years of clearance. b. Routine maintenance directs an inspector to prescribe 2.3 years of clearance which allows the inspector to account for the species, location, and other conditions that affect growth	4/10/2023	8.2.3.3	Vegetation Management and Inspections	Clearance

75	oeis	001	OEIS_001	7	OEIS_001_07	Integrating Appearance to intern I man are contensity operation by Precipional Conference on Contensity and Conference on Confer	The requested information is provided in the following four documents: - WMR-Discovery/2023_DR_OEIS_001-0007Asch01.pdf - WMR-Discovery/2023_DR_OEIS_001-0007Asch04CONF.pdf - WMR-Discovery/2023_DR_OEIS_001-0007Asch04CONF.pdf	4/10/2023	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions	Detailed Model Documentation
76	OEIS	001	OEIS_001	8	OEIS_001_Q8	Regarding Comprehensive System Diagram for All Risk Models Lised Provide comprehensive system diagrams in MS Wisk or PFI for all risk models. 1. A comprehensive diagram for operational models and comprehensive diagrams in operational models and Section 1.2. Summary of Risk Models, asks for a summary of risk models in table form with specific fields. Section 6.2.1, Risk and Risk Component identification, asks for a chart fitted demonstrates the components of This requests comprehensive of all models that vorts (poster) in the Decision-Making Pramework (DMF). The requested diagram should show: a Interaction between the models presented graphically (e.g., inputs and outputs coming to and graph from the Decision with the use of animalmes where applicable, c. Starting and ending points, d. Decisions and process flows.	PG&E has provided feer system diagrams within YMMP-Discovery2023_DR_CES_001-Q008Abb01 pdf in response to describe signated—one for reventional models (tide 07) and one for planning models (tide 07). Each diagram depicts the interaction among different models are required. Graph of the provided of t	4/24/2023	6.1.2	Risk Methodology and Assessment	Summary of Risk Models
π	OEIS	001	OEIS_001	9	OEIS_001_Q9	Regarding Portiols Level Risk Analysis and Risk Spend Efficiency a Provide an example of how risks are aggregated to a portiolio, and if and how interdependencies between the risks are explicitly captured in the portiolio. Response should be provided in Excel. Also include the level of organization for the portiolio (e.g. pages and example). 5. Are tall-risks calculated on a portiol of risks? If so, provide an example. 6. Are tall-risks (soft-indication and exidence of the provided in Excel. Are probability distributions and interdependencies used as inputs to outputs for the bowfes used in PC&E's WMM submission (see examples present in Appendix B) if its o, provide an example using the bowfes of the presented in PC&E's Appendix Submission. As appropriate, response should be provided in Excel. 6. Is RSE calculated for both average and tal? If so, provide an example. Response should be provided in Excel.	al Based on the Wildler, Dustribution Float Model, which is based on vicual segments, circuit degreests are suggregated to the veripriors willfer in its mode to circuitate integration program benefit at 8 portfolio level. The stanckes, in this case, we broken down by quintities of listerhood of risk event (Lottle) and consequence of risk event consider not an experiment of the consequence of risk event of consideration and consequence of risk event of consequence or consequence. Or the extensive first interest to a consequence or consequenc	4/10/2023	7.1.4.1	Wildfre Mitigation Strategy Development	Identifying and Evaluating Militgation
78	OEIS	001	OEIS_001	10	OEIS_001_Q10	Regarding Cost-Benefit within and Overall Decision-Making Framework. a. If projects are justified based on a multi-stiffulder value functionalises basis, what threshold or hundle is used? b. How is the drame that a project accessed her threshold computed? c. If projects are justified based on a multi-attribute value functionalises basis, what threshold or hundle is used?	a) We do not have a specific threshold to justify projects. b) While we don't calculate a specific threshold for executing mitigations, PG&E prioritizes higher MAVFicost locations for executing projects. We also develop mits buydown curves and implement projects at the higher end of the curve. The higher end of the curve represents the higher MAVFicost values. c) As described in response to subpart a, we do not have a specific threshold or cubfit to justify projects.	4/10/2023	7:14:2	Wildfire Mitigation Strategy Development	Mitigation Initiative Prioritization
79	OEIS	001	OEIS_001	11	OEIS_001_Q11	Regarding PG&E's Response to ACI PG&E:22-10 PG&E describes an external study funded by calibrarias Energy Commission (CEC) grant EPC-18-028 to classify and identify serve with similar climites bootisms that already have weather stations, and areas with diminal conditions to the control of t	The weather opinization report was developed by a first party. Pyregence. Pyregence provided us with a draft copy of the report and instruction at not lodisticible the document. Therefore, we would greatly appreciate Energy Stately contact the Pyregence Interest of the provided in the	4/10/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-10 Justification of Weather Station Network Density
80	OEIS	001	OEIS_001	12	OEIS_001_G12	respecting resizes in response or vicus resources. a PCBE states and "Sall Circulal Suppose to the lower 80 percent" (p. 891). For each of these circuit segments, provide the following information via Excel document. b V.Z millage of circuit segment is V.3 overall risk raining (including a footnotelwritten response of the total number of CPZs included in the vicus of v.4 v.5 overall risk raining (including a footnotelwritten response of the total number of CPZs included in the vicus of v.4 v.5 overall risk raining (including a footnotelwritten response of the total number of CPZs included in the vicus overall risk raining (including a footnotelwritten response of the total number of CPZs included in the vicus overall risk raining robustion of v.5 millage overall risk core v.4 v.7 intis score broken out by: (1) griding processeptence v.4 v.7 intis score broken out by: (1) griding processeptence v.4 v.5 millage of vicus segments that moved due to ignition probability, describe how such ignition probability v.6 possibility v.7	Please see attachment WMP-Discovery2023_DR_OEIS_001-0012Alcti01.sisx, tab *12.a Dropped v2 CPZs.* b. The probability of gnition change was driven primarily by greater granulary in failure modes associated with the total probability of gnition of specific delicit. **Community** of the probability of gnition for specific delicit. **Community** of the probability**	4/12/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-09 Evaluation of Model Reprioritization and Fire Refauld in High- Risk Afress
81	OEIS	001	OEIS_001	13	OEIS_001_Q13	v. v. overse mix namely processing a concessionment response or the total number of LPL2 includes in the Repairding PGASE. Belapones to ACI PGASE 22.20. PGASE states that "Adding domes to the detailed CO 165 inspection aloved the inspection for roughly 20 to 25 PGASE states that "Adding domes to the detailed CO 165 inspection as well as the integer capture rate for both drone-only and helicoper only" (page 920). a. Provide the deally inspection rates for stand-stone ground inspections, drone-only image capture, and helicopter-only capture.	Please see below for the requested information. Dense only little-only inspection > 1 orner Stand-disons GO 165 inspection (See See See See See See See See See See	4/10/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-2220 Asset Inspection Drone Program Pilot

			,				T31 Our asset inventory database tysset registry does include stiribute fields for location flaviond angior identification	, ,			
82	CEIS	001	OEIS_001	14	OEIS_001_014	Regarding PG&E's Asset Management Upgrades On page 433, PG&E states that "PG&E has significantly advanced our data management practices and the quality of our asset inventory (Asset Registry) distributes over the last two years by applying the International Organization to Standardszardom (105 SGGE) standards, of database include the location of each price of equipment of participation of the property of database includes the location of each price of equipment page of the property of the	of support shouture ID for shaded equipment, manufacturer, model ID (as appropriate), and insistation date. These considered ordinated shade entered (CoS) and data government and data quality medica are being established to tack the associated data quality. So with the properties of the properties o	4/10/2023	815	Asset Management and Inspection Enterprise System(s)	NIA
83	CEIS	001	OEIS_001	15	OEIS_001_015	Regarding PGLE's Enhanced Powerline Safely Settings (EPSS) Program. A. On page 648 (PGES tables — 3er offered to as high impeance faults, we plan to engineer, program, and install the Downed Conductor Debetion (DCD) algorithm on recloser controllers. We will also evaluate high inselface found debetion deportment or circuit breakers in 2023 and beyond." Then on page 374, PGSE states that the DCD Utility installow will lakely continue from 2023-2025. If the DCD Utility installow will lakely continue from 2023-2025. Utilit locative the DCD algorithm? If will the number of odugles, due to EPSS de-energizations, be looked at lo identify which circuits should receive the DCD algorithm first? In figure 18.14 CPUC REPORTABLE IGNITIONS IN HFTDS (page 468) PGSE shows that through December 31, 2022, there was a greater than 39 percent reduction in CPUC reportable printions in HFTD-serae compared to the orient 2019 Software stage of the program	a 1) IDCD algorithm restallation was prioritized based on the addressable risk reflection from each DCD device using PGGE's WDIMM of this model and maximizing Pisis File Risk re-(IFRA) electric distribution line miles converage. Addressable risk reflects the devices and crusts that are capable of accepting the DCD algorithm. By the end of CSS, DCD is planned to be installed on approximately 2 (100 BHRA miles. Circuit breades and 4-wire circuits are not currently expelse of receiving DCD. Mineage is subject to change due to undergrounding of overhead lines and received in the control of the control of the CSP in the CSP	4/10/2023	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
84	CaPA	Set WMP-11	CalPA_Set WMP-11	1	CalPA_SetWMP-11_Q1	IRGAE'S Test Vera 2023 GRC redutal testimony (Ex. PASE-17 on July 11, 2022) states the following: Q1 20 Dec best on apportion-on the REC1 or (1) and the Calstopa substation. After initial positive tests, the calstopa substation and the control of the calstopa substation. After initial positive tests, the calstopa REC1 between the control of the calstopa REC1 of of the REC1 of the REC1 of the calstopa REC1 of the calstopa REC1 of the REC1 of the REC1 of the REC1 of the calstopa REC1 of the REC1 o	PCAE chilects to parts (a) through (e) of this request as beyond the scope of this proceeding. This question relates to PCAE's 2023 General Rate Case (CRC) proceeding and has no enunciated connection to PCAE's WMP proceeding. Furthermore, Call Advocates concurrently served an identical data request on PCAE in the CRC proceeding and PCAE will provide a response to this request in that proceeding as it is the more appropriate venue.	4/10/2023	81.81.31	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
85	СаРА	Set WMP-11	CalPA_Set WMP-11	2	CalPA_Set WMP-11_Q2	Indexing to PCASE. It Electic Preliminary Satement Part FY (T artiff Sheet No. 52296-1), he (Dectic Program Investment Chape Stancing Account (EPCAS) has three subaccounts: The EPC Program Administered by PCASE Subaccount tracks the actual program expenses to the authorized EPC program subaccounts and the subaccount of the PCASE program subaccounts and the PCASE program subaccount products are subaccountered by California Energy Commission (CEC) Subaccount tracks the actual program expenses encumbed and resulted to the CEC and program administration expenses encumbed to the CEC to the program administration operates excentible and resulted in the CEC to the authorized budget pursuant to 0.12-06-007, 10.20-06-002, and 10.21-11-10.28 brough Recember 31, 2030 or as administration by the CEC contribution. The New Solar Home Partnership (NSHP) Program administered by the CEC Subaccount tracks the actual program expenses excurbed by the CEC contribution. The New Solar Home Partnership (NSHP) Program administered by the CEC Subaccount tracks the actual program tracks the actual program of the CEC of the program applicants, by the authorized NSHP Program budgets pursuant to 0.14-06-000 excurbed by the CEC of the program applicants, by the authorized NSHP Program budgets pursuant to 0.14-06-000 excurbed by the CEC of the program applicants and the program of the CEC of the program applicants and the program of the CEC of the program applicants and the program of the CEC of the program applicants and the program of the CEC of the program applicants and the Administration of the CEC of the program applicants and the Administration of the CEC of the Program applicants and the Administration of the CEC of the CEC of the Program applicants and the Administration of the CEC of the Program administration of the Administration of the CEC of the Program applicants and the Administration of the Program administration of the Administration of the Program administration of the Administration of the Program administration of the	PCAE objects to this request as beyond the scope of this proceeding. This question relates to PCAE's 2023 General Rate Case (GRC) proceeding and has no enunciated connection to PCAE's WMP proceeding. Furthermore. Cal Accounts contain the proceeding and proceeding and pcae in the proceeding and pcae in the proceeding as it is the more appropriate venue.	4/10/2023	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
96	CaPA	Set WMP-11	CalPA_Set WMP-11	3	CaiPA_SetWMP-11_Q3	PCAE's 2002 WMP. Section 7.1.E. Attachment 1 (Atch, C01 pdf) states the following regarding the project status of EPIC 3.15—Proactive Wires Down Mitigation Demonstration Project (Righel Earth Faul Current Limiter) as of Ferburay 25, 2002 Evaluation of additional substations for suitablility of additional REFC. Installations have been been for early on feel work starts on additional size plant in period principles and learnings of the initial EPIC project before design or field work starts on additional size and the case of the control of th	PGGE dockets to the portions of this request relating to Major Work Category (MMC) GRR as beyond the scope of this proceeding. Notwithmating and without chaving this objection. PGGE responds as Blood REPCL installations. a PGGE has not performed are relatation of additional substitions for suitability of additional REPCL installations are related to the state of additional substitions for suitability of additional REPCL installations project before mainly decisions about additional deployments. b. Given the engoing evaluation described in response to subpart (a) above, our forecast as of 46'20'23' is as follows: Year Company of the engoing evaluation described in response to subpart (a) above, our forecast as of 46'20'23' is as follows: Year Company of the engoing evaluation described in response to subpart (a) above, our forecast as of 46'20'23' is as follows: Year Company of the engoing evaluation described in response to subpart (a) above, our forecast as of 46'20'23' is as follows: Year Company of the engoing evaluation of the Company of the engoing evaluation of the Company of	4/10/2023	81.81.31	Grid Operations and Procedures	Rapid Earth Fault Current Limiter

87	CalPA	Set WMP-11	CalPA_Set WMP-11	4	CalPA_Set WMP-11_04	Referring to Exhibit PG&E-04, February 25, 2022, version, PG&E states the following regarding REFCL: Based on our instal testing and the ascossabil implementation in Australia. PG&E tas developed a shri-free strategy to these plans coaled charge pending pile results and integration with other enhanced automation and wildling installation efforts described in this chapter. a) An emetioned above, PG&E forecasts deploying REFCLs at an additional two substitutions each year. by these plans coaled frange. — Have these ligen changed 79 if your answer to part (i) is yes, plates describe PG&E surrent plans regarding the Marse deployment of REFCLs. c) 2025, and v. v. 2020 test described where PG&E plans coaled for redding the Marse deployment of REFCLs. In 2025, and v. v. 2020 test described where PG&E plans come onlypting REFC Ls in Logo. In Lincoll. 10.2006 kr is 2025, and v. v. 2020 test described where PG&E plans and the plans of the Marse deployment of the Marse 2025, and v. v. 2020 test described where PG&E plans are onlypting REFC. Ls in Logo. In Lincoll. 10.2006 kr is 2025, and v. v. 2020 test described where PG&E plans are onlypting REFC. Ls in Logo. In Lincoll. 10.2006 kr is 2025, and v. v. 2020 test described where PG&E plans are onlypting REFC. Ls in Logo. In Lincoll. 10.2006 kr is 2025, and v. v. 2020 test described where PG&E plans are onlypting REFC. Ls in Logo. In Lincoll. 10.2006 kr is 2025, and v. v. 2020 test described where PG&E plans are onlypting REFC. 2020 kr is 2020 kr is set to the REFC. 2020 kr is 2020 kr is set to the REFC. 2020 kr is 2020 kr is set to the REFC. 2020 kr is 2020 kr is 202	a) Yes, or plans have changed over the past year from what was expressed in the quide claid above from our WAIP. b) PGAE is not planning any REFCL deployments until after complete evaluation of the demonstration project and successful integration of the technology into normal operations. PGAE is evaluating its portion of wildfire risk mitigations. c) As described in response to subpart (b), no additional substations are planned for REFCL deployment at this time.	4/10/2023	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
88	CaPA	Set WMP-11	CalPA_Set WMP-11	5	CuIPA, Set WAIP-11_QS	Referring to Exhibit PG&E-17, p. 4.3-6, Table 4.3-3, line 6, served on July 11, 2022. Line 6 of he above table indicates that PG&E brecasts the capital expenditures to be \$17.331 million in 2023, line 6, served on July 11, 2022. Line 6 of he above table indicates that PG&E brecasts the capital expenditures to be \$17.331 million in 2023, line 6, served on July 11, 2022. Given the current status of PG&Es evaluation of additional substations for suitability and PG&Es plans for future deployment of RECE1, as of March 27, 2023, please indicate any adjustment to the forecast capital expenditures by completing the table below:	Please see the table below for the requested information. Vair 2023 2025 2026 2026 2026 2027 2026 2027 2027 2027	4/10/2023	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
89	CalPA	Set WMP-11	CalPA_Set WMP-11	6	CalPA_Set WMP-11_Q6	In Deember 2021, FIGEE presented at the EPIC Symposium. See Altich_QB_EPIC_Presentation.pdf. The presentation stillers state that: Rapid Earth Fault Current Limiter (REFCL) technology is an extension of resonant grounding at a distribution substation to reduce risks of the room ground faults, but their substation designs are different from FAGES. One type of REFCL has been used successfully designed in Australias to reduce risks of the form ground faults, but their substation designs are different from FAGES. One type of REFCL is some an Ground Fault Machatities (GPIN_REFCL could be explicit a supprise. 80% of PAGE HFTD a) to the substation of the subs	PCAE chicks to this request as beyond the scope of this proceeding. Notwithstanding and without waiving this detection, PCAE responds as follows: a) Yes, this statement remains an accurate high-level description. b) Not applicable, as described in response to subpart (a).	4/10/2023	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
90	CalPA	Set WMP-11	CalPA_Set WMP-11	7	CalPA_Set WMP-11_Q7	b) If the answer to part (a) is no, please provide any needed corrections. PGASE presents unity the 2021 ETPS Symposium (AIML no EEPIC Presentation poll) that "REFCL could be applied to approx. 80% of PGASE HPTD distribution cricuit miles (5-wire cricuits)." However, PGASE is looking at opportunities for REFCL deployments in our distribution substations to militigate wildfer after all or distribution or provided in the control of the c	This distinction is based on the fact that REFCL is not a plug-and-play sectroology and requires supporting construction and equipment changes in the substation and on the distribution circuits to function. This is different from DCD and Partial Voltage Detection, which are software-based features on existing hardware and require significantly less cost to implement.	4/10/2023	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
91	CaPA	Set WMP-11	CalPA_Set WMP-11	8	CaIPA_Set WMP-11_Q8	PGAETS, 2023 WHIP at page 275, states that: PGAETS, 2023 WHIP at page 275, states that: White PGAE is looking at opportunities for REFCL deployments in our distribution substitions to mitigate widther risk and evaluating combinations of REFCL wite PESS and other mitigations, implementing [REFCL] would require significant and costly changes to the girl and provided in part (a) of this significant and costly changes to the girl of the provided in part (a) of this question. 2) Please provided all available documentation, randyses, or studies evidencing PGAE's response to subpart (b) of this question. 2) Please provide all available documentation, randyses, or studies evidencing PGAE's response to subpart (b) of this question. 2) Please provided all available documentation that "implementing [REFCL] would require significant and costly changes to the girl". 2) State the basis of the conclusion that "implementing [REFCL] would require significant and costly changes to the girl". 3) Please provide all available documentation, analyses, or, studies evidencing PGAE's response to parts (d) and (e) of this question. 3) Please provide all available documentation, analyses, or, studies evidencing PGAE's response to parts (d) and (e) of this question. 4) What significant and cost changes to PGAET girl "would REFCL require for its implementation"? 3) What are the cost estimates for each "change to the girl" on a per circult-mile basis?	In registering MECI. Tenders significant and colory organizes to the grant resolver to LCU hars a real virulge deciden. PASE first funders load the deployment cost of REFCL in early 2021. REFCL is a substation. Please refer to PASE Test Version 2020. CR. Application 21-0502. Exhibit PASE-04 and Exhibit PASE-17, which contain the requested information. PASE results his conclusion through experience gained from the Calaboga REFCL demonstration project. PASE results his conclusion through experience gained from the Calaboga REFCL demonstration project. PASE results his conclusion through experience gained from the Calaboga REFCL demonstration project. PASE results his conclusion through experience gained from the Calaboga REFCL demonstration project and the control of the second project of the second transfer of the second project of the second transfer of the second project resident transfermer project of the second project resident transfermer project of the second project resident transfermer project of the second project of the second project resident transfermer project of the second project resident transfermer	4/10/2023	818131	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
92	CalPA	Set WMP-11	CalPA_Set WMP-11	9	CalPA_Set WMP-11_Q9	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.	4/10/2023	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
93	CalPA	Set WMP-11	CalPA_Set WMP-11	10	CalPA_Set WMP-11_Q10	Has PG&E done any benchmarking study on REFCL with Southern California Edison (SCE)?	Yes, PG&E REFCL project engineers regularly engage with Southern California Edison to benchmark our findings and share results and learnings. Of note, SCE has fewer circuit miles of existing underground cable at their REFCL demonstration in SCE.	4/10/2023	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
94	CalPA	Set WMP-11	CalPA_Set WMP-11	11	CalPA_Set WMP-11_Q11	Has PG&E collaborated or exchanged with SCE on REFCL? If so, please detail the relevant activities.	Yes, PG&E regularly collaborates with SCE on REFCL and sharing data and information. This includes a monthly utility group call/meeting and sharing technical reports.	4/10/2023	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
95	CalPA	Set WMP-11	CalPA_Set WMP-11	12	CalPA_Set WMP-11_Q12	PGGES 2023 WMP, at page 275, states that is instead of making costly changes to the grid, we are moving forward with more coe-effective solidors such as DCD [Dorned Conductor Detection] and Partial Voltage Detection. Regarding Downed Conductor Detection (DCD). 3) What "Changes to be grid" are required for PGGE to implement this technology? c) Does PGGE have a cost estimate for the deployment of DCD? c) Does PGGE have a cost estimate for the deployment of DCD? d) If the parameter to part (c) is we, observable on the contention of the purpose of the contention of the parameter of the property of the parameter of the property of	a) Depending on the existing redoser controller. DOD may not require a physical change to the grid of it may require the retrofilling of a usoling line reclosor controller. b) DOD is most compatible with 3-wire systems. Implementation on 4-wire is possible but may not achieve the benefits distrible due to the higher settings breaked bits may could be required. As a result, we are not currently cliently also also also also also also also also	4/10/2023	7.2.1	Wildfire Miligation Strategy Development	Overview of Mitigation Initiatives and Activities
96	CalPA	Set WMP-11	CalPA_Set WMP-11	13	CalPA_Set WMP-11_Q13	PGSE 2023 WMP, at page 275, states that? Thesised of making costly changes to the grid, we are moving forward with more coeffective solutions such as DCD and rainal Voltage beletion." Regarding Partial Voltage beletion (PVD), a WMR of Voltage to the grid "are required for PGSE to implement this technology? 1) is PCD visible on 3-wire systems, 4-were systems, or both? 1) if the present point (c) is yet, please provide the cord estimate(s).	a) Partial Voltage Detection (PVD) does not require a "change to the grid," the statement quoted above refers to how the makes PVD a cost-effective solution. b) PVD is viable on bit Swate and Audition spatems. c) No. as there is no cost to "depic" PVD. c) Note of the state of the cost to "depic" PVD. c) Note of politically purpose over the response on subpart (c) above.	4/10/2023	7.2.1	Wildfire Miligation Strategy Development	Overview of Mitigation Initiatives and Activities
97	CMPA	Set WMP-11	CalPA_Set WMP-11	14	CalPA_Set WMP-11_Q14	Based on PG&E's evaluation of REFCLs: a) Phase describe the significant changes to the grid required to implement REFCL technology, a) Phase describe the significant changes to the grid required for such changes, and c) Describe the gridprinent installations required for such changes, and d) Describe the likely operational impacts resulting from the implementation of REFCLs on PG&E's system.	In The significant changes is the point required to impriment REFCL are identified below. *Replacingly college regulators in classed celebrate. *Installing new, matched sets of feeder breaker current transformers (CTI), *Replacing but policity interesting transformers (PTI), *Replacing but policity interesting transformers with line-free connections; *Replacing substitution service transformers with line-free connections; *Replacing substitution service transformers with line-free connections; *Replacing Ground Fault Neutratzers; *Policylanging transformers to tellar connections; *Installing Ground Fault Neutratzers; *Policylanging laid improvements based on grounding study; *The replacement of auth Donations with coded delaw. *The replacement of open data vollage regulators with closed delaw. *The replacement of open data vollage regulators with closed delaw. *The replacement of open data vollage regulators with closed delaw. *The replacement of open data vollage regulators with closed delaw. **The replacement of open data vollage regulators with scaled delaw. **The replacement of open data vollage regulators with EustaSchwarg. **The replacement of open data vollage regulators with EustaSchwarg. **Preplacing three-phase faus arrangements with EustaSchwarg. **Preplacing three-phase faus arrangements with EustaSchwarg. **The replacement of opin data vollage regulators with EustaSchwarg. **Preplacement of opin data vollage regulators with EustaSchwarg. **Preplaceme	4/10/2023	818131	Grid Operations and Procedures	Rapid Earth Fault Current Limiter

			1			Please state the dates when PG&E finished evaluating the following:				1	
98	CalPA	Set WMP-11	CalPA_Set WMP-11	15	CalPA_Set WMP-11_Q15	reases sate are fuels with reduct institute for advantage are bullowing. a) The significant changes to the grid required to implement REFCL technology, b) The cost estimates for such changes, c) The equipment installations required due to such changes, and d) The likely coefficial immosts resulting from the immelementation of REFCL on PG&E's system.	a) – d) We finished the evaluation of each item identified above in early 2021.	4/10/2023	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	CalPA_Set WMP-11_Q16	Please provide all snallable documentation, studies, and analyses evidencing PG&E's conclusions on each of the following aspects of REFLC destjoynent: a) The significant changes to the gift equivated to implement REFCL technology. b) The coal estimates for such changes. c) The equipment installations regulared due to such changes, and d) The likely operational impacts resulting from the implementation of REFCL on PG&E's system.	In Please see: Riley, Roger and Jon Bernoto's 1988488-0.0 REFCIL Fundional Performance Report Tockber 14, 2020. Their document can be accessed at the following his Nation was on cigo a valides defaultiful accessory of the seed of the contract of the requirement of the properties o	4/10/2023	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
100	TURN	003	TURN_003	1	TURN_003_Q1	Please provide data in PGSE's possession that indicates the following: a. The SADI (Sprism Average herrorism Duration Index) for the years 2018-2022 for underground distribution facilities. c. The SADI (Sprism Average herrorism Duration Index) for the years 2018-2022 for underground distribution distribution Selficies. c. The SADI (System Average herrorism Duration Index) for the years 2018-2022 for overhead distribution accelerate with Constitution of the SADI (System Average herrorism Constitution Index) for the years 2018-2022 for overhead distribution facilities with covered conductor. a. The SADI (System Average herrorism Constitution Index) for the years 2018-2022 for overhead distribution facilities without covered conductor. In the SADI (System Average herrorism Constitution Index) for the years 2018-2022 for overhead distribution facilities without covered conductor.	Please see the attachment "VMMP-Discovery2023_DR_TURN_003-Q001Abh01 siss" for the requested information. Please note that PGAE does not capture coveredinon. Covered conductor status in our current outage reporting, so SADMART data for covered conductor equipment cannot be provided at this time.	4/10/2023	N/A	N/A	NA
101	TURN	003	TURN_003	2	TURN_003_02	Please provide all reports or studies in PG&E's possession prepared from January 1, 2018 to the present that discuss the reliability of underground distribution facilities, overhead distribution facilities with covered conductor, or overhead distribution facilities without covered conductor, including but not limited to a discussion of SAIDI and MAIFI data.	PGSE publishes an annual reliability report which provides a detailed report on the system-wide reliability performance. Please see the following stafformets for the requested information: "VMP-Discovery2022_DR_TURN_003-0002/shc10_pdf": "VMP-Discovery2022_DR_TURN_003-0002/shc10_pdf": "VMP-Discovery2022_DR_TURN_003-0002/shc10_pdf": "VMP-Discovery2022_DR_TURN_003-0002/shc10_pdf": "VMP-Discovery2022_DR_TURN_003-0002/shc10_pdf": Additionally, we are in the process of finalizing a study final is planned to be completed by June 30, 2023. This study will assess the recorded reliability improvements all coalizions that have been undergrounded and/or have be hardened with covered conductor. It is important to also note that the focus of our overhead system hardening and undergrounding program to date has been primatify to drive subtlem insidiation.	4/10/2023	N/A	N/A	N/A
102	TURN	003	TURN_003	3	TURN_003_Q3	Regarding Table 7-3.2, p. 28.8 the bottom row re SPSS and Passes of Passes o	a) We can confirm that the targets for educed customer impacts are cannables for histaries PS-07 in Table 7-3.2. Please see Table PS-62-25-5 (1020 MP). PS-073 for the Psoudcol of incremental customers for each respective year. Please see a standard MPM-Discovery GSD_DR. TURN, 033-0003-40-10 for supporting data for the estimates of reduced PSPS impacts in 032-2005 for the reywer period. Discovery CSP (100-100-202). If or breakdown of reduced customer events by militagion measures, please see Table PG-62-23-5 for our 2023 VMP. or attachment, column "trevenence, please per de column "trevenence, col	4/10/2023	9.1.5	Public Safety Power Shutoff	Performance Metrics Identified by the Electrical Corporation
103	CalPA	Set WMP-12	CalPA_Set WMP-12	1	CalPA_Set WMP-12_Q1	Regarding Table 9.2 (Lists of Frequently De-energipted Circalls) in Appendix of PGSE's WMP. the column Heasures Taken, or Planned to Be Than. In Pediate the Need for and impact of PLander PSPS of Circula's blank for the following distribution circuit Entry Numbers 7, 6, 11, 15, 17, 18, 22, 23, 33, 33, 73, 38, 94, 75, 52, 63, 37, 71, 71, 97, 195, 111, 111, 112, 120, 121, 221, 23, 53, 61, 74, 179, 183, 187, 179, 183, 18, 187, 197, 183, 187, 197, 183, 187, 197, 183, 187, 197, 183, 187, 197, 193, 187, 197, 197, 197, 197, 197, 197, 197, 19	a) We discovered an error in our 2023 WMP submission in the "Measures Talken, or Planned to Be Talken, to Reduce the Need for and Impact of Future PSPS of Circuit of the Frequently De-emergized Circuits list. We will reach out to Energy Sidely to provide this corrected information and discuss updating our WMP submission pursuant to Energy Sidely's publicities. We will provide an explanation of any remaining blanks. Please rote, we expect to have the tibible revised by April 18, 2023. (5) See response (a).	4/11/2023	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
103	CalPA	Set WMP-12	CalPA_Set WMP-12	1 SUPP	CalPA_Set WMP-12_Q1 SUPP	Regarding Table 9-2 (Lists of Frequently Deveragined Crizolla) in Appendix F of PCSE2 19(MP. The column Hearinest Tables or Planned to BE of Heart to Reduce the Nete of and Impact of FLIant PSRS' of Choulf is blank for the following distribution crizol Enrity Numbers 7, 6, 11, 15, 17, 18, 22, 23, 33, 33, 37, 38, 39, 47, 56, 62, 63, 70, 71, 97, 105, 111, 111, 112, 120, 122, 122, 154, 184, 151, 138, 137, 179, 183, 187, 187, 183, 183, 187, 187, 183, 183, 187, 187, 183, 183, 187, 187, 183, 183, 187, 187, 183, 183, 187, 187, 183, 183, 187, 187, 183, 183, 187, 187, 183, 183, 187, 187, 183, 187, 187, 183, 187, 187, 183, 187, 187, 187, 187, 187, 187, 187, 187	We have spidded our List of Frequently De-emergized Circuits based on the error found in our review. The Entry Mombers listed above may not reflect the lessel crossib that are misligated by PSS protocols. Please see set alluminarity VMDPDiscore/p202. DR. Calafvicates, 012-0001 Steppor/LARch 1 stuff for the updated List of Frequently De-emergized Circuits. 1) After updated listed spid established or closuls here on PSS Mitigation Measures taken or planned to be taken, see footnoties before for explanation irrelated with NO PSPS Mitigation Measures taken or planned to be taken, see footnoties before for explanation irrelated of a balanc call to an explanation irrelated of a balanc call to an explanation irrelated of a balanc call to an explanation irrelated or a seek and vegetation tags, and potential use of temporary generation where possible that could refuse constime impact.	4/18/2023	9.12	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
104	CalPA	Set WMP-12	CalPA_Set WMP-12	2	CalPA_Set WMP-12_02	Regarding Table 9.2 (Lists of Frequently De-energized Circuits) in Appendix of PT-GEE's WIMP, the column Heasures Taken, or Planned to Be Taken, to Reduce the Need for and impact of FLIane PSPS of Circuit's blank for the following transmission circuit. Entity Numbers. 200, 227 a) For each of the above Entry Numbers, please regions in My-Messure Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit's the blank. b) For each of the above Entry Numbers, please state whether PCEE plans to take any measures uting the 2023 ACSE WIMP period to reduce the need for and impact of future PSPS on that circuit. c) For each Item in part (b) where PCSE does not plan to take any measures to reduce the need for an impact of future PSPS on that circuit, please state the basis for this decision.	I) We discovered me nor in ce 2020 WMP pubmission in the "Measures Table, or Planne to Bit Taken, to Reduce the Need for and Inspect of Taken PSP of Circuit of the Prespective Development of Lange PSP of Circuit of the Prespective Development of Lange PSP of Circuit of the Prespective Development of Lange Psp of Lan	4/11/2023	9.12	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
104	CaIPA	Set WMP-12	CalPA_Set WMP-12	2 SUPP	CalPA_Set WMP-12_Q2 SUPP	Regarding Table 9-2 (Lists of Frequently De-emergized Circuits) in Appendix F of PG&E's WMP. the column Measures Taken, or Planner to the Taken. In Reduce the Need for and Impact of Future PGSPS of Circuit is blank required to the Park PGSPS of Circuit is blank required to the Medical Park PGSPS of Circuit are blanks. b) For each of the above Enrie Manuber, belease state whether PGGE plans to take any measures during the PGGSP of Circuit are blanks. b) For each of the above Enrie Manuber, belease state whether PGGE plans to take any measures during the 2023-2023 VMPs period to reduce the need for and impact of that PSPS on that circuit. c) For each item in part (b) where PGGE does not plan to take any measures to reduce the need for an impact of blank PSPS on the beats of the dark PSPS on the dark PSPS on the beats of the dark PSPS on the directly planes after the beats of the dark.	We have spidded our List of Frequently De-emergized Circuits based on the error found in our review. The Entry Numbers Issied above may not reflect the last circuits that are migigled by PSS protocis. Please see attachment YMMPDiscovery2023 DR, Caldwiceates, 012-0001 Support Natificit said: for the updated List of Frequently De-emergized Circuits. a) After updating our table, one transmission in the has no PSPS Mitiglation Measures taken or planned to be taken. This lim has been mixed with No PSPS Mitiglation Measures taken or planned to be taken, see bothorise below for explanation: instead of a blank cell to said contiation. Other than mitiglation stated in the Preparative De-emergized Table, PG&E plans to implement in-event alternatives of the protocol of the protoco	4/18/2023	9.12	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
105	СаРА	Set WMP-12	CaliPA_Set WMP-12	3	CalPA_Set WMP-12_Q3	Regarding Table 9.2 (Lists of Frequently De-energized Croatils) in Appendix F of PC&E's WMP, distribution circuit Ently Numbers: 1,21,22,32,42,55,82,73,33,44,45,66,83,84,98,96,117,119,124,127,128,129,130,131,144,152,157,158,168,169,172,176,177,181,164 a) Please explain how PC&E deployed Temporary Ceneration to benefit the number of crustomers states.) Private explain where Notice England Section 1,220,120,120,120,120,120,120,120,120,12	officered types of PSPS impacts to be refet the number outshmers stated. See Section 9.2.4 op. p. 78 in ordeals for additional details. additional details of control of the property of the	4/11/2023	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits

					-		T	T				
106	СыРА	Set WMP-12	CalPA_Si	Set WMP-12	4	CalPA_Set WMP-12_Q4	Regarding Table 9.2 (Lists of Frequently De-energized Circuits) in Appendix of PGAES WMR distribution circuit Entity Numbers 3.4, 6.13, 14, 18, 20, 21, 22, 23, 24, 25, 20, 27, 23, 54, 80, 55, 15, 52, 53, 60, 16, 46, 65, 66, 67, 68, 72, 73, 75, 76, 77, 78, 79, 80, 81, 82, 84, 65, 91, 94, 96, 99, 91, 010, 101, 102, 104, 108, 107, 109, 109, 115, 116, 121, 221, 247, 728, 129, 102, 123, 73, 194, 104, 124, 154, 174, 149, 121, 154, 154, 198, 198, 180, 123, 37, 194, 104, 124, 154, 174, 141, 161, 161, 162, 163, 163, 161, 162, 163, 163, 163, 163, 163, 163, 163, 163	a) We discovered an error in oz 2220 WMP adminision in the "Measures Talent, or Planned to Be Talent, to Reduce the Need for and Implicant of Fluids President (Contract The Erreputation Deveragings Contract) bit. We will ensure to Energy Staffly to provide this corrected information and discuss updating our WNIP submission pursuant to Energy Staffly guidelines. Well provide an epidemation of any remaining blanks. Please note, we oppect to have the table revised by April 19, 2023. (c) See response (a). (d) See response (a). (e) See response (a).	4/11/2023	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
106	CaPA	Set WMP-12	CalPA_Si	Set WMP-12 4	1 SUPP	CalPA_Set WMP-12_Q4 SUPP	Regarding Table 9-2 (Lists of Frequently De-energized Circuits) in Agrendix F of PCAETs WMP distribution circuit freiny Numbers 3-4, 6, 15, 14-16 20-12 (22.23,42.52, 82.73, 83.53, 49.50, 51.52, 51.80, 61.64, 66.66, 67.68, 67.73, 77.8, 77.8, 77.8, 69.81, 62.84, 69.61, 69.61, 69.61, 61.01, 61.01, 116.10, 116.11, 115.11, 112.124, 127, 128.122, 130, 132, 37.9, 139, 140, 142, 145, 147, 149, 120, 154, 154, 169, 169, 169, 170, 177, 177, 180, 150, 151, 122, 130, 130, 160, 162, 163, 163, 163, 164, 164, 165, 167, 167, 167, 167, 167, 167, 167, 167	We have updated our List of Frequently De-energized Circuits based on the errors found in our review. The entires lated above may not reflect the latest circuits that are mitigated by 1958 protocols. Perceiber the latest circuits that are mitigated by 1958 protocols. Perceiber the latest circuits in the protocols of the protocols. Perceiber 1958 protocols on the updated List of Frequently De-entire Circuits. 3) PIGASE a current PEPS Protocols were updated compared to PSPS Protocols from previous years. Based on our courser PEPS Protocols, our socioging involved and coincer after PSPS protocols from protocols were updated compared to PSPS Protocols from previous years. Based on our courser PSPS protocols, our socioging involved and coincer after circuits would nither been de energized or would only a socious protocols from previous years. Based on our courser PSPS protocols from previous years. Based on our courser PSPS protocols from previous years. PSPS protocols from previous years. PSPS protocols from previous years with the policy of the protocols from previous years. PSPS protocols from previous years with the policy current PSPS protocols for the venture conditions present in 2015 2022. This comparison will be protocols from previous years and a protocols from previous years. PSPS protocols from previous years and years are protocols from previous years and years are protocols would increase counterer input and years are protocols. PSPS protocols would increase counterer input and years are protocols. And years are protocols and years are protocols and years are protocols would not have been developed to review outlinese would not any years are protocols. 4) The number of customers insignated on the protocols of the number of PSPS services, and the weather conditions end under the PSPS p	4/18/2023	9.12	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
107	CalPA	Set WMP-12	CalPA_Se	Set WMP-12	5	CalPA_Set WMP-12_Q5	Regarding Table 9.2 (Lists of Frequently De-emergized Circular) in Appendix of PCRES WMP, transmission circulate they Number 193. 195, 197, 198, 199, 207, 202, 203, 205, 205, 205, 202, 201, 201, 212, 212, 213, 215, 217, 218, 219, 221, 222, 222, 222, 222, 228, 228, 228	a) We discovered an error in our 2023 YMMP submission in the "Measures Talent, or Planned to Bit Talent, to Reduce the Need for and Impact of future PSPS of Circuit of the Frequently De-emergized Crisical Life We religional Life Life Weight to provide this controlled information and discuss updating our VMMP submission pursuant to Energy Planne roll, we operate to have the table revised by April 18, 2023. 1) See response (a). 2) See response (a). 3) See response (a).	4/11/2023	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
107	СыРА	Set WMP-12	CalPA_Si	Set WMP-12	5 SUPP	CalPA_Set WMP-12_05 SUPP	Regarding Table 9-2 (Lists of Frequently De-emergized Circuits) in Aggendix F of PGAET's WMD: barrenisation careal Ently Numbers 193, 196, 196, 196, 201, 202, 203, 204, 205, 206, 208, 200, 200, 201, 211, 212, 213, 215, 217, 218, 219, 221, 202, 202, 202, 202, 202, 202, 202	We have applied out List of Frequently De-emergized Crustle based on the errors found in our review. The entires issed above may not related the latest or collect the latest or lates	4/18/2023	9.12	Public Safely Power Shutoff	Mentification of Frequently De-Energized Circuits
108	CalPA	Set WMP-12	CalPA_Se	Set WMP-12	6	CalPA_Set WMP-12_Q6	PG&E's WMP p. 751, Section 9.1.2, states that "This table [Table 9-2] also includes the miligation measures taken, or planned to be taken, to reduce the likelihood of PSPS on those circulat." Regarding Table 9-2 (tast of Prequent) perceptived Circulatis In perpendic of PGASE with PT- to enryl planned action listed in Table 9-2 is regarding "MSO device installations or replacement planned" (which is listed for 8 of 236 circulat), a) Please explain why one of the other types or implication measures lated on p. 731 are stated in Table 9-2 as planned actions for any circulat. b) Please explain whether PSAE plans to take any miligation measures for any of the remaining 250 circulation in Table 9-2.	a) We discovered an error in our 2020 YMMP submission in the "Measures Talent, or Planned to Be Talent, to Reduce the Need for and Impact of Future Prison (Contract) the Tereputation (De-energized Corticus) list We will reach out Energy Safely to provide this consected information and discuss updating our YMMP submission pursuant to Energy Safely's puddings. Additionally, majority of the militigation types listed on p. 751 are circuit specific and we have provided the devices installed and time insignation only personal to the provided to the devices installed and time insignation completed for those. Besides undergrounding and MSO we correctly don't have a plan to install and other parts of the properties of the properti	4/11/2023	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
109	CalPA	Set WMP-12	CalPA_Se	Set WMP-12	7	CalPA_Set WMP-12_Q7	Regarding ACL PCASE-22-30 (Quantity Miligation Benefits of Fodering PSPS Scales Scopes and Frequency) on WMP p. (97-277-3) Please explain why this table shows outstoned regarding to term of Incremental PSPS miligation) for only two miligations flored by the miligations flored for miligations flored for miligations flored by the miligation flored by the military to the miligation flored by the military that the military flored flored flored by the military flored fl	is Table PGSE-22-S5 1 shows outsteres mitigated and not customers impacted. In the arralysis, we applied the 200 quidance in the wealth colobacts period of 201-2002. Other mitigation methods such a sectionalizing device plant produces and the sectionalizing device of 201-2002. The mitigation methods such as sectionalizing device continents we are also in mitigated with the bolahead. This allows us to calculate the number of continents we are also instituted with the polarized mitigation (indepriounding and MSO) are the two projects we currently plan to complete in the read's years. Other mitigation methods such as sectionalizing devices, gird hardening, and PSPS produced are settled ylacted with the lookabul. 3 See response to 10. 4 See response to 10. 5 of the response to 10.	4/11/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-35 — Quantify Mitigation Benefits of Reducing PSPS Scale, Scope, and Frequency
110	CNPA	Set WMP-12	CalPA_Si	Set WMP-12	8	CalPA_Set WMP-12_Q8	Regarding Section 9.2.3 (Outline of Tactical and Strategic Decision-Making Protocol for initiating a PSPSPSPS (Such as Decision Treel), subsection, 'Decision to be Energize.' The WMPP, 780 states in part that "The OC will exemptization that considered, b) places take the basis of ORSE decision operating which alternatives to consider. (c) Please describe how OIC determines whether such alternatives are adequate or inadequate.	selepating reduce the risk of catastrophic widther that lowering the risk of charactery will rever be risk of catastrophic widther in areas within the PSPS accept sufficiently to protect public safely, we will move thorward with PSPS. 3) See response to 30 Se	4/11/2023	9.23	Public Safety Power Shufeff	Outline of Tactions and Strengty- Decision-Making Protocol for Intelling a PSPSIPSPS (Such as Decision Tree)

		ı	1	1	Г	T	a) DCSE provides arreseible transportation through partnerships with the California Engadation for Indopendent				
111	CaPA	Set WMP-12	CaiPA_Set WMP-12	9	CalPA_Set WMP-12_09	Regarding WMIP p. 783, Section 9.2.4 (Protocots for Miligating the Public Safety Impacts of PSPS, Including Impacts on Frist Responders, Health Care Facilities, Operation of Telecommunications Infrastructure, and Water Electrical Corporations/Agencies, subsection Transities of Partiantial Dependent Persons' as Does PCAE collity his transit or paratizerate-dependent customers of what specific resources are available, by If the answere for partia PSPS event does PCAE notify transit- or paratizerati-dependent customers? (3) If the answere for part (a) is yet, how their in advance of a potential PSPS event does PCAE notify transit- or (c) if the answere is part (a) is yet, how the provided a sample of such a notification. (3) Please provide an example of a may that has been provided to paratizerati dyamices.	IA PCASE provides accessible insuporation through partnerships with the California Fundation for independent Unifor Centre (Fich, with chalidates the Unifold) Policy and PCASE partnership with the California 71 Network, and PCASE's standatione agreement with four transportation organizations and provides accessible transporation in Economics. Description of the PCASE provides brown and provides to the PCASE provides to provide a provide provides to the PCASE provides of the PCASE	4/11/2023	924	Public Safety Power Shutoff	Protocols for Miligating the Public Salety, Impacts of PSPS, Including Impacts on First Responders, Health Care Facilities, Operators of Telecommunications International Conference International Computations of Corporations/Agencies
112	CaIPA	Set WMP-12	CalPA_Set WMP-12	10	CalPA_Set WMP-12_Q10	Regarding PSPS and its relationship with EPSS settings. 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) Pleases let all desire 1021 and 2022 when PG&E anticipated PSPS conditions but utilized EPSS settings instead, if this occurred. (b) Pleases and an analyse of the decision-making process for any instances issted in part (b) above. d) Please profes and analyse of the decision-making process for any instances issted in part (b) above.	all Enabling EPSS instead of executing PSPS in rot part of the PSPS decision making process. EPSS operates independent of PSPS based on different clinical and trevisiods are See Section 6.1.8.1 of PSPS certain by 1). There were none as EPSS is not dilitzed instead of PSPS. Enabling EPSS instead of executing PSPS is not part of PSPS decision and executing PSPS in the part of PSPS decision and executing PSPS in the part of PSPS decision and post operation of PSPS from the operation of PSPS instead of PSPS Enabling process to silice PSPS instead of PSPS Except program is based on different for instead and protocols, independent of each other of pSPS instead or PSPS and psp process to silice PSPS instead of PSPS Except psp program is based on different for instead or indicated protection on an individual circuit level. Effect executing psp psp psp psp psp psp psp psp psp ps	4/11/2023	N/A	Public Safety Power Shutoff & Grid Operations and Procedures	N/A
113	СвРА	Set WMP-12	CalPA_Set WMP-12	11	CaiPA_Set WMP-12_Q11	Regarding communications to customers for EPSS: a) Does PC&E provide notifications or other communication to customers when EPSS settings are enabled? (This may include, but is not limited to, notifications that an austiment outspen may be across that is subject to EPSS settings, notifications that an unpiernot outspen may council and not expected restration time when an EPSS catalogs has occurred, or all clear notifications when EPSS settings are de-activated.) Settings are de-activated.) Settings of the expected provided in the expected provided provide	If you have tenneave upons an counterman and results cases preserves in uncommentative process and preserves of the line serving their forms or business thrille PPSIs because EPSIs in red a planted de-empiration, we do not proceeding vinolly customers as a dialy establishment and disablement decisions are made. If you have a subject to the control of the control of the process	411/2023	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
114	CalPA	Set WMP-13	CalPA_Set WMP-13	1	CalPA_Set WMP-13_Q1	Figure PG&E-7.1.4-2 on p. 256 of PG&Es WMP shows Down Conductor Detection (DCD) is to be implemented on 4-wire distribution. 3-wire distribution, or a mix? a) Does PG&E plan to primarily implement DCD on 4-wire distribution, 3-wire distribution, or a mix? b) Pleases state the number of overhead circular miles of 4-wire distribution PG&Es HFTD. C) Pleases state the number of overhead circular miles of 3-wire distribution in PG&Es HFTD.	a) At 8s time, we plan to implement Down Conductor Delection (DCD) only on 3-wire distribution (or on overhead critical swithout plants be related convented and versarians) without plants be related convented and versarians. PlaCR will continue to export the possibility of DCD to 4-wire multi-grounded systems in the future. Figure 7.1.4.2 incorrectly identified DCD applicable to 4-wire when it should have inclinated 3-wire systems. The systems of the plants	4/12/2023	8.1.2.10.1	Grid Design and System Hardening	Downed Conductor Detection Devices
115	СыРА	Set WMP-13	CalPA_Set WMP-13	2	CaPA_Set WMP-13_Q2	Table 8-27 on p. 586 of PCAE's WMP summarizes grid operation monitoring systems, including Datsbudon Faal Anticipation (DFA) and Early Faat Detection (EFD). Datsbudon Faal Anticipation (DFA) and Early Faat Detection (EFD). b) Describe the yeas of faults, equipment failures, and/or other issues that EFD is capable of detecting, but EFD is repailed of detecting, but EFD is repailed of detecting, but EFD is repailed of detecting, but EFD is not capable of detecting, but EFD is not capable of detecting, but EFD is not capable of foeteding, equipment failures, and/or other issues that EFD is capable of detecting, but EFD is not capable of foeteding. e) is DFA capable of foeteding. e) is DFA capable of foeteding. P) Trains summarize the results DFGE has seen from its EFD irrelations to date.	So blothwistor faith Antipopition (CPIs) are seen orienteed in assertation of act 2,50 km films. J blothshistor faith Antipopition (CPIs) are seen greater to detect conditions that generate current and violage amonalies including series aring issues follows, splices, switchies) and shart aring faiths (fine slap, vegetation contact, where we will be considered to the control of the control o	4/12/2023	833.1	Situational Awareness and Forecasting	Existing Systems, Technologies, and Procedures
116	СыРА	Set WMP-13	CalPA_Set WMP-13	3	CaiPA_Set WMP-13_Q3	Table 7-3-1 on p. 281 of PG&E's WMP states the following objective with an estimated completion date of LGX/LGZ22. The control of the controlling constraints resolution. As part of the build out of the controlling constraints team, three major categories will be addressed: customer constraints, environmental constraints (including stateman PGAE procedure required to perform work) and permitting constraints (including both Land and Environmental permits). Environmental permits). If the process of controlling constraints resolution: If the process of controlling constraints resolution: If the process of controlling constraints resolution: If the process PGAE plans to take to certaints customer constraints. If the process PGAE plans to take to certaints customer constraints. If the process PGAE plans to take to certaints permitting constraints.	a) Condition is Management Opportunition (CND) was consider to act as the responsible group for developing and managing processes for constraint resolution. Following the influences insert from the Enhanced Veglation Management (EVM) program, his team will be formalizing processes and procedures concerning town the various between the processes of the procedure of the concerning town the various contraints of the concerning town to the concerning town to the concerning contraints. On the concerning contraints of the concerning contraints and concerning town to address previous and concerning contraints. This team was focused on coordinating efforts with PGAE teams to work with local governments, agencies, and landowners to address permitting or access constraints that temporally prevented or delayed work from being performed. The CMT was able to gather additional information regarding constraints, and of 2021 the CMT and successfully evented approximately 300 miles of constraints which the EVM program in 2022. 700 miles of constraints processed to event which represents an 40% increase of 2021 the CMT and successfully evented approximately 300 miles of constraints and 400 miles of 2021 the CMT and successfully evented approximately 300 miles of constraints and 400 miles of 2021 the CMT and successfully evented approximately 300 miles of constraints and 400 miles of 2021 the CMT is also working with other customer focused groups within PGAE to request in addition to the updates, the CMT is also working with other customer focused groups within PGAE to request assistance with moleculations for we are unbalanced to constaint excusionary of the constraints and approximate and approximate the process. If addition to the updates, the CMT is also working with other customer focused groups within PGAE to request assistance with moleculations for we are unbalanced to constaint and complete of interesting and permitted to the constraint and complete and the constaints of the process. If addition is the updates, the CMT	4/12/2023	828	Vegetation Management and Inspections	Open Work Order

117	CaPA	Set WMP-13	CalPA_Set WMF	-13	4	CaPA_Set WMP-13_Q4	Table 7-3 1 on p. 282 of PG&E's WMP states the following objective with an estimated completion date of 129 100205. For each major constraint category build a process for addressing each constraint type, implement the new process, and create metrics to brack each constraint type. When other PGME expect to begin implementing its process for certainting customer constraints? When other PGME expect to begin implementing its process for certainting constraints? When other PGME expect to begin implementing its process for certainting permitting constraints? What is the series date PGME expect be begin restainting expensions are restainted and PGME expect be begin restainting expensions are restained and PGME expect between the process of the process of certainting constraints? are restained and PGME expect begin restained and process of the process of th	In For some Vegetation Management (VM) programs within the VM depertment, the Constraints Management Teams (CMT) will be implementing process improvements to the custome constraints process are entry as CQ at 2023. b) The CMT has already begun including regular check-in meetings with our Environmental Seams to discuss environmental permitting needs, discuss opportunities for process programment, and opening regional process of the CMT has already begun to utilize a certification entail box for submitting encroachment-type permitting support of the CMT has already begun to utilize a certification entail box for submitting encroachment-type permitting supportunities with the process are in environment of the CMT and the process are in environment of the CMT in pilot areas as process improvement does are put into already and will consider a process and the control of the CMT in pilot areas as process improvement does are put into already additional VM programs into our support model in the coming years and expect to achieve our deplection by December 2023. In the CMT will be integrating additional VM programs into our support model in the coming years and expect to achieve our deplection by December 2023. In the CMT is ventring to better identify the ventrual spect of contribution that can feet VMT sallily to complete needed before created and transfer in entires for these contraints.	4/12/2023	82.6	Vegetation Management and Inspections	Open Work Order
118	CaPA	Set WMP-13	CalPA_Set WMF	-13	5	CalPA_Set WMP-13_QS	Table 7-4 on pp. 307-313 of PG&E's WMP lists the top risk circuit segments (i.e., risklest segments when sorted by bible widthe risk), will write risk. PGESS: Please explanation entitled "Lan 1, 2020 Overall Risk" states. "Accounts for risk reduction associated with EPSS." Please explanation have FG&E quantified the risk reduction associated with EPSS for each of the circuit permitted in Table 7-4. 1) Do the values in the column entitled "Jan 1, 2020 Overall Risk" account for risk reduction associated with EPSS? 10 De the values in the column entitled "Jan 1, 2025 Overall Risk" account for risk reduction associated with EPSS? 2) Dibe values in the column entitled "Jan 1, 2025 Overall Risk" account for risk reduction associated with EPSS? 3) Dibe values in the column entitled "Jan 1, 2025 Overall Risk" account for risk reduction associated with EPSS? 3) Dibe values in the column entitled "Jan 1, 2025 Overall Risk" account for risk reduction associated with EPSS? 4) Dibe values in the column entitled "Jan 1, 2025 Overall Risk" account for risk reduction associated with EPSS?	al Based on the accorded effectiveness performance of Enhanced Powerline Safety Settings (EPSS) in 2022, we include the infertitiveness across each critical segment across left piles Tree Test District (FITE) occurs degreed. The recorded effectiveness compares EPSS enabled ignitions to those that med EPSS critical and is normalized by crash-miled-sign. The recorded effectiveness left Fire Destrictal fished (FITE) information provided from our Meteorology lasm, which is currently only available through 2020. Reservice we used 2016-2020 as a basedine. 10 Yes, it Rinclades the risk reduction associated with EPSS. AMP Discovery/2020, Disc. Galdrocates (PSS) 4000-5000 Figure 2 1) Please see YMBP Discovery/2021, Disc. Caldrocates (PSS) 5000-5000 Figure 2 1) Please see YMBP Discovery/2022, Disc. Caldrocates (PSS) 5000-5000 Figure 2 10 Figure See YMBP Discovery/2022, Disc. Caldrocates (PSS) 5000-5000-5000 Figure 2 10 Figure See YMBP Discovery/2022, Disc. Caldrocates (PSS) 5000-5000-5000-5000-5000-5000-5000-500	4/28/2023	7223	Wildfre Mitigation Strategy Development	Projected Risk Reduction on Highest- Risk Circuits Over the 3-Year WMP Cycle
119	CaPA	Set WMP-13	CalPA_Set WMF	-13	6	CaIPA_Set WMP-13_Q6	Table PC&E-6.2.2-1 on p. 168 of PG&E's WMP lists four consequence values derived from the mean MAVF of National Street. Defended a searchifty study to determine the effect of these values on the output of PG&E's WTC. In the PGE of PG	a) Yes, a deductive sensitivity analysis was performed to determine the possible effect of these values on the output of PGGE's VFC model. Please see our response to part b) for an explanation of our deductive analysis. Dir PGGE's VFC model. Please see our response to part b) for an explanation of our deductive analysis. Dir PGGE's VFC model. Please see our response to part b) for an explanation of our deductive analysis. The productive desired the part of the productive desired the consequence analysis of points within the FFRA for the productive desired the part of the productive desired	4/12/2023	6222	Risk Methodology and Assessment	Солвециятся
120	CaPA	Set WMP-13	CalPA_Set WMF	-13	7	CaIPA_Set WMP-13_07	In section 7.2.1 on pp. 275-276 of PG&E's WMP. PG&E states. "We determined that EPSS is more effective at miligating wildfiler risk at a lower cost as shown by comparing the RSEs for the two programs. at the time we filed the 2023 GRC, the RSE for PCM was 14.5 compared to the EPSS RSE of 105.7". 3.0 Other than RSE, what other criteria of PGSÆ evaluation the decision to move away from EVM? 3.0 PSS is a reactive mitigation program in contrast to EVM which is proactive. Does this reactive vs. proactive obeginations have any impact of PSGS evidention I savantion ways from EVM? 3.1 How does PG&E's RSE estimate for EPSS take into account the registive reliability impacts on customers?	a) There were several factors that we considered when deciding between the miligation programs Enhanced Powerline Safety Settings (EPSS) and Enhanced Vegetation Management (FMI), Besides miligation effectiveness and implementation and operating costs described by the FRAS Spend Efficiency (RSS), we considered the faller and implementation and operating costs described by the FRAS Spend Efficiency (RSS), we considered the faller services of the services of th	4/12/2023	72.1	Wildfire Miligation Strategy Development	Overview of Milgation initiatives and Activities
121	CalPA	Set WMP-13	CalPA_Set WMF	-13	8	CalPA_Set WMP-13_Q8	For each of the following programs, what metrics does PG&E track to validate their impact and effectiveness at miligating the impacts of PSPS events? a) Temporary Distribution Microgrids b) Community Microgrid Enablement Program c) Microgrid Tenablement Program c) Microgrid Tenablement Program	a) We track Megawatts (MW), oustomers mitigated, and the number of usages per location each season to validate the impact and effectiveness of Temporary Distribution Microgrids. b) We track at minimum the frequency and duration of the microgrid's usage, along with the number of benefitting customer accounts. c) Please see our response to subpart (b).	4/12/2023	8.1.2.7	Grid Design and System Hardening	Microgrids
122	CalPA	Set WMP-13	CalPA_Set WMF	-13	9	CalPA_Set WMP-13_Q9	On the following programs have any impact on customer reliability (e.g., Requency or duration of outlages) in general? Please explain your response for each program. a) Temporary Distribution Microgrids b) Community Microgrid Endelment Program c) Microgrid Receive Program c) Microgrid Receive Program	a) Distribution microgrisk an edesigned to power communities' central corridors, or "Main Streets", to help safely provide electricity to critical facilities and shared community resources and reduce the number of customers impacted by PSPS. In general, couldments being served by a temporary softbullout microgrist of weignedirect the brief diadages. b) The Community Microgrist Entailment Program and Microgrist Incentive Programs are designed to have a positive impact on customer resiliency. The community microgrist developed through each program can reduce the duration of outlages by providing energy within the microgrist during a broader grid outlage.	4/12/2023	8.1.2.7	Grid Design and System Hardening	Microgrids
123	CaIPA	Set WMP-13	CalPA_Set WMF	-13	10	CalPA_Set WMP-13_Q10	Figure 7-1 on p. 258 shows a sharp decline in risk after 2026. a) Please provide context as to what drives this decline. b) Why does PSGE articipate a significantly more rapid rate of decline in residual risk after 2026 than in the 2023-2026 period?	a) The context for this sharper decidine in risk after 2025 represents the expected, continued ramp-up of undergrounding miles to be instilled each year. 2025 represents the property of the	4/12/2023	7.22.1	Wildline Mitigation Strategy Development	Projected Overall Risk Reduction
124	CalPA	Set WMP-14	CalPA_Set WMF	-14	1	CalPA_Set WMP-14_Q1	P. 347 of PG&E's WMP4 states (regarding PG&E's undergrounding program). "Among other benefits, the reduced pace (as compared to prior projections) will decrease costs in the initial years of the program." Please ist life "Order benefits" referenced in the quote above.	There are also additional benefits to reducing the near-term undergrounding mileage targets, including providing more time to drive process improvements that may reduce long term costs and drive long term efficiency of the program.	4/17/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
125	CaIPA	Set WMP-14	CalPA_Set WMF	-14	2	CalPA_Set WMP-14_Q2	P. SAT of POSE's WMP4 states (regarding POSE's undergrounding program). Among other benefits, the reduced place (as compared to prior projections) will discrease cods in the initial years of the program. Please list the "other benefits" referenced in the quote above.	a) No. DTS-RAST does not have the capability for e-energize a line. Currently, DTS-RAST is monitoring only, and is not automatically securing the trip (de-energize alignat to percention until the system has more teleting to ensure accuracy.) DTSF-RAST sensor data will report alarm conditions in real time. For example, if vegetation has failten into the alarm zone and remains (i.e., leaving on the conductor line), the alarm will remain thowever, if the vegetation has susy from zone and remains (i.e., leaving on the conductor line), the alarm will remain thowever, the vegetation has susy from a propriet and the conductor in the conductor line in the leaves of the vegetation has susy from a propriet as existent. c) DTSF-RAST does not have the capability for e-energize a line, but it will provide data to operations of sensor alarm statuses, in addition, DTSF-RAST conners to provide remote issual awareness of the aim mocation, of) We do not currently have enough field data to draw formal conclusions about reliability impacts, but our goal is to desirate the DTSF-RAST sensors proof cancers will offer leake with note adarms.	4/17/2023	8.1.2.6.1	Grid Design and System Hardening	Distribution, Transmission, and Substation: Fire Action Schemes and Technology

126	CaPA	Set WMP-14	CalPA_Set WMP-14	3 CaPA_Set WMP-14_Q3	P. 350 of PG&Es WMP discusses Breakaway Connectors, and states. "The breakaway disconnect uses a weak that to provide a predictable point of separation and the service will then fall to the ground de-energized." b) Hes PG&E studied whether conditions exist that could cause a temporary fault and minimal or no damage to a non-breakaway connection, but would cause a Breakaway Connector to separate PT or example, a small branch talling on the line. 10 He answer to provide the provide and the provide and the provided provided and the provided provided and the provided provided and the provided provid	In Macronium wind greed and easily defined. Span length, tension, conductor size and wind direction all influence the assessment wind greed. General Order 95 nice 40.4 Table 8 and 48.4 C.3 require Supply service drops to have a minimum strength of 88 soft or amended copper. This is 47.98 pounds. The service breakwarey has two available week lines 500 bs. for services 75 and shorter. 750 pounds for services. The politic citation for the service breakwarey has two availables week lines 500 bs. for services 75 and shorter. 750 pounds for services the pilot citation for the service breakwary has experienced three storms with winds exceeding 100 mph with no breakage of the week into cloth inks are 750 bs. due to span length). 1) Yes, we have based these issues. In the week into cloth of the control of the service breakware in the dependence of the service breakware in the dependence on bulbant (1) show. 1) Met application species see the response to subpart (1) show. 2) EPSS in rot affected by secondary conductors. It is primary voltage only. 3) Met application species see the response to subpart (1) show. 3) Met application species see the response to subpart (2) show. 3) Met application species see the response to subpart (3) show. 4) Met application species see the response to subpart (3) show. 5) Met application species see the response to subpart (3) show. 6) Met application species see the response to subpart (3) show to subpart (4) show to subpart (3) show to subpart (4) show to subpart (4) show to subpart	4/17/2023	81282	Grid Design and System Hardening	Breakaway Connector
127	CalPA	Set WMP-14	CalPA_Set WMP-14	4 CalPA_Set WMP-14_Q4	P. 359 of PG&E's WMP states, "Breakaway disconnect does not impact PSPS Risk." Please state the basis for the above quote.	not impact the PSPS risk.	4/17/2023	8.1.2.6.2	Grid Design and System Hardening	Breakaway Connector
128	CaPA	Set WMP-14	CalPA_Set WMP-14	5	P. 363 of PGAE's WMP states. Temporary distribution microgrids are designed to support community restilience and reduce the number of customers impacted by PSPS by energizing main street considors with clusters of shared services and critical facilities so that those resources can continue serving surrounding residents during PSPS events. PSPS events. The effect of a possible PSPS event. b) For each Impairry distribution microgrid state PGAE had available in 2000, 2021, and 2022 to miligate the PSPS event. C) For each Impairry distribution microgrid state in part (p), atter the market of coatbones that therealized energized during a PSPS event. C) For each Impairry distribution in part (p), alter harmet of coatbones that therealized energized during a PSPS event. C) For each Impairry distribution in part (p), alter harmet of coatbones that therealized energized during a PSPS event. C) For each Impairry distribution in part (p), alter harmet of coatbones that therealized energized during a PSPS event. C) For each Impairry distribution in part (p), alter harmet of coatbones that the mainted energized during a PSPS event. C) For each Impairry distribution in part (p), alter harmet of coatbones that the mainted energized during a PSPS event. C) For each Impairry distribution microgrid (p) For each I	sery recognoses are summarizators are assess sectors, by pear. 2007. Augments (Destination Microgoid svalidate) to operate in 2020 Number of 2020 PSPS events supported Approx. (4) of service pits energized per 2020 PSPS event Shinglebonn 4.79 Carelatogo 3.756. Carelatogo	4/17/2023	81272	Grid Design and System Hardening	Temporary Distribution Microgrids
129	CalPA	Set WMP-14	CalPA_Set WMP-14	6 CalPA_Set WMP-14_Q6	P. 85 of PGAE's VMP states. The RestoroC Coast Alprof Morrgidii (RCAM) was built through a California Energy Commission EPC grant to the Schalt Energy Certies and bas from United States of America for the RestoroC coast Energy Authority (a Community Chrisc Aggregator), in colaboration with PGAE's EPIC 3.11, 14MB-Use Microgrid, repet. at TCAM regist? (a) What was the last coast passed on the PGAE's EPIC 3.11, 14MB-Use Microgrid Coast States (a) Total Coast States (a) Total Coast States (a) (b) Total Coast States (a) Total Coast States (a) Total Coast States (a) (c) Total Coast States (a) Total Coast States (a) (c) Total Coast States (a) Total Coast States (a) (c) Total Coast States (a)	A PGES total costs for the RCAM project were approximately \$3.3MB.PGES does not have the project financials of our project patricular Peases costals Schild Energy Research Center (SLF-Pri) Winnisht Schild Research Center (SLF-Pri) Winnisht Schild Project Costs, I. SS, 305.000 was three Places Costs, I. SS, 305.000 was three directory (SLF SCF SCF grant (EPC 2.11). Mall-Let Mercogn(s). I. SSZ, 416 in cost offices were provided to the Reference Costs in Energy Authority prasurate to the Community Microgrid Enablement Programs (MEP) (30.206-407); III PGES received no loss into the United States of American care your feed facility sectors for the United States of American care your feed facility sectors for the United States of American care you for facility sectors for the United States of American care you for facility sectors for the United States of American care you for facility sectors for the United States of American care you for facility sectors for the United States of American care you for facility sectors for the United States of American care you for facility sectors for the United States of American care you for facility sectors for the United States of American care you for facility sectors for the United States of American care you for facility sectors for the United States of American care you for facility sectors for the United States of American care you for facility sectors for the United States of American care you for facility sectors for the United States of American care you for facility sectors for the United States of American care you for facilities facilities facilities facilities for facilities facilities facilities facilities facili	4/17/2023	8.1.2.7.3	Grid Design and System Hardening	Community Microgrid Enablement Program and Microgrid Incentive Program
130	CaPA	Set WMP-14	CalPA_Set WMP-14	7	P. 365 of PCASE's WMB* states. "The successful deployment of RCAM provides a model for other communities for collaborative development of multi-customer micrographs for energy realismos." 1) Please provide data to support the success of the RCAM.	Agreement in his proceeding. Agreement in his proceeding. Agreement in his proceeding. Both and of the Project PGEE defined the following metrics to calculate the full deployment benefits at EACA. In crease reliability at critical facilities. Post-deployment measurements of cotage number, frequency and duration reductions. In crease reliability at critical facilities. Post-deployment measurements of cotage number, frequency and duration of account and the Project Post of the Project Post Oscillators Post of the Project Post Oscillators Post Oscillators Post Oscillators Post Oscillators Post Oscillators Post Oscill	4/17/2023	81273	Grid Design and System Hardening	Community Microgrid Enablement Program and Microgrid Incentive Program
131	CaIPA	Set WMP-14	CalPA_Set WMP-14	8 CaIPA_Set WMP-14_Q8	P. 360 of PGSE's WMIP states. For 2023, we have planned to install devices that will provide significant reliability benefits no fuse top lines that are in the scope of EPSS." a) Please quarrilly re-significant reliability benefits that will be provided from devices installed in 2023. b) Please provide any available workpapers or studies to support your response to part (a).	a) Significant reliability benefits are projected at 1180/0 CESO servings and 4.618 million caustome minutes. During PESS enablments, journal professional provisions are requised to see faults beyond files are by profes all gainty profession. With these expensions in fault conditions. This practice multilise the benefits of traditional time face excites making the additional protective devices translating order corresponding reliability intend can be returned to the tabletic or more downstream location where the new protective devices are replacing fuses. As an additional protective evidence in a making time of the provision of the protective devices are replacing fuses. As an additional normal protective control of the provision of the protective control of the	4/17/2023	8.1.2.8.1	Grid Design and System Hardening	Installation of System Automation Equipment – Distribution Protective Devices
132	CalPA	Set WMP-14	CalPA_Set WMP-14	9 CalPA_Set WMP-14_Q9	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? b) When does PG&E expect to complete the Substation Animal Abatement Effectiveness Study?	a) The study was officially kicked off on January 26, 2023. The "P51" sean at Electric Power Research Institute (EPRI) was provided with PGEE historical animal contact records, existing and historical animal abatement strategies employed by PGSE, and other pertinent information needed to perform the study. b) The study is expected to conclude by July 18, 2023.	4/17/2023	8.1.2.12.2	Grid Design and System Hardening	Other Technologies and Systems – Substation Animal Abatement
133	CalPA	Set WMP-14	CalPA_Set WMP-14	10 CalPA_Set WMP-14_Q10	P. 393 of PG&E's WMP states, "in 2022 PGE implemented revisions made to TD-2325, which incorporated industry best practices as well as adjusted the pole rejection criteria." Please list the adjustments that PG&E made to the pole rejection criteria.	Please see our current procedure TD-2225P-01 for the requested information: https://www.pge.com/pge_global/common/pdfs/sade/piemorgency/preparedness/natural-disaster/wildfres/wildfres-wildfre	4/17/2023	8.1.3.1.5	Asset Inspections	Intrusive Pole Inspection
134	CalPA	Set WMP-14	CalPA_Set WMP-14	11 CalPA_Set WMP-14_Q11	P. 400 OF CASE's VMPF states: "FCASE designated palt maps as externes, severe. high, medium, or tow based on the average widling consequence of the studies within the last image." a) Is the designation described above based on the wildfire consequence accrete from the WDPM V2 or the billion of the state of the VDPM V2 or the value of the plant map designations described above? b) How frequently deep FCASE plant now-evaluate the plant map designations, what steps will it take regarding a plant map that has increased in severely, such as from find becaver or severel to adentifier?	a) The quote referenced above is based on the wildfire consequence scores from the WDRM v3. b) We plan to review widthir risk model results annually and evaluate how to update the inspection plan accordingly. b) We plan to review widthir risk model results annually and evaluate how to update the inspection plan accordingly. b) We plan to review decreasinglying plan in plan of different consequence for or adding individual structures to the inspection plan to account for increased risk or consequence.	4/17/2023	8.1.3.2.1	Asset Inspections	Detailed Ground Inspection

135	CaPA	Set WMP-14	CalPA_Set WMP-14	12 CalPA_Set WMP-14_G12	Table PGAE-8.17.6 on p. 458 of PGAE's WMP shows that PGAE added 41,869 distribution work orders to its HTTD/PFAR backlog in 2022 and with the property of the	a) In order to ensure we will continue for reduce our backlog of asset byp, as of January 1, 2023, all new HFTDHFRA tags will be completed by the compliance date. Thus, these begs will be in a "latedy state" where the propulation is required to the completed by the completed by the completed by the propulation is reduced by the propulation of the propul	4/17/2023	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
136	CaPA	Set WMP-14	CalPA_Set WMP-14	13 CalPA_Set WMP-14_G13	P. 463 of PG&E's WMP states, "EPSS does not cause a power outlage." Given that EPSS settings can de- emergize a line willhout prior warning, and without an apparent cause, please explain what is meant by the above quote.	Enhanced Towerline Solely Selfong, (ETSS) enable capitale protective devices on a circuit to general in 0.1 seconds or less in order to deverage and solicital selfected protein(s) of our distribution system when shulf or abromatic condition is detected that could generate a speak and subsequent widefire ignition as well as detecting higher importance basis. A hospitale shut on the PESS settings are resided on pretention detects are unplaned and only importance basis. A hospitale shut of the PESS settings are resided on pretention detects are unplaned and only importance basis. A hospitale shut of the PESS settings are resided on pretention detects are unplaned and only importance basis. A long shut of the protection of the	4/17/2023	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
137	CalPA	Set WMP-14	CalPA_Set WMP-14	14 CalPA_Set WMP-14_Q14	Per PGAE - January 2022 EPSS monthly report, PGAE experienced 2.375 EPSS outages in 2022. 3) of the EPSS-longered outages in 2022, in how many of these outages del PGAE find that no converte exclusion were required prior to re-energizing (i.e. There was no pensistent condition that PGAE needed to resolve upon appecting the London of the outage); 1) Were there any EPGS-ingreed outages in 2022 that PGAE determined were triggered by events that did not of if the analyse to 2016 its law not have worth 1925 ePGAE outside the properties of the control of the control in 2022 that the properties of the pension of the purpose of the pension of the pe	a) PG&E reported 1.083 unknown cause outages in 2022. Note that while this is indicative that a conclusive corrective	4/17/2023	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
138	CalPA	Set WMP-14	CalPA_Set WMP-14	15 CalPA_Set WMP-14_Q15	P. 465 of PG&Es WMP states. 'In 2022, we expanded the cop of EPSS to all HFRAs in our service territory and select adjacent EPSS buffer areas. 10 1 PG&E of Committee of the Committee of EPSS to all HFRAs and all HFTD's 10 1 PG&E of EPSS to all HFRAs and all HFTD's 10 1 PG&E of EPSS to all HFTD in 2022, please state the basis for this decision. 10 1 PG&E of EPSS to all HFTD in 2022 please state the basis for this decision. 10 1 PGCS will be scope of EPSS bor all HFTD in 2022 please state the basis for this decision. 10 1 PGCS will be scope of EPSS bor all HFTD in 2022 please state the basis for this decision.	a) EPSS capability was extended to 100% of HFRA in 2022, 100% of HFTD was not targeted.	4/17/2023	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
139	CalPA	Set WMP-14	CalPA_Set WMP-14	16 CalPA_Set WMP-14_Q16	Cal Allocales understands that a circuit segment that has been under grounded may still experience PSPS outges, it segments upsteam or downtermed in the undergrounded circuit segment are subject to PSPS, a) is the above understanding correct? if not, please correct the above. b) During the 2023-2029 WMP period, OSP PGER intends by Using the report program of the program of th	a) Yes, that distalment is correct. While it is unlikely that a downstream segment would affect the underground section, it is possible if there are no validate downstream isolation devices, but not seen the underground section from the contract of the properties of the contract of the	4/17/2023	9.1.5	Public Safety Power Shutoff	Performance Metrics Identified by the Electrical Corporation
140	CalPA	Set WMP-14	CalPA_Set WMP-14	17 CalPA_Set WMP-14_Q17	a) Has PG&E performed a study or back cast to predict the likelihood that an undergrounded segment will be subject to PSPS de-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, please explain why not.	a) No, we have not performed a study or back cast mentioned in the question. b) See response to a. c) Projecting likelihood of an underground segment being subject to PSPS is possible but would take significant manual effort. However, back cast weather data was used to analyze the expected reduction in customers affected by PSPS for future underground work.	4/17/2023	9.1.5	Public Safety Power Shutoff	Performance Metrics Identified by the Electrical Corporation
141	CalPA	Set WMP-14	CalPA_Set WMP-14	18 CalPA_Set WMP-14_Q18	a) Has PC&E performed a study or back cast to predict the likelihood flet an undergrounded segment will be subject to an EPSS-triggered de-energizations due to upstream or downstream segments becoming subject to EPSS representations part (a) by sep, pisses provide the results of any such studies. (i) If the answer to part (a) is no, piesse explain why not.	A) We have not performed this type of study. Not applicable These use the response to subpart a) O) PGGE has not yet performed this type of study hecause the volume of mileage that has been placed underground is called by a multi-manife analysis would need to be circuit specific. For this type of study to be more meaningful, a greater targeted line segments, which offers means that other portions of the same circuit remain overhead and would require the protection of EFSS applied to the errich resegment including both US and OH search.	4/17/2023	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
142	CaPA	Set WMP-14	CalPA_Set WMP-14	19 CalPA_Set WMP-14_Q19	Please provide a list of all dig-in incidents that occurred from 2020-2022 and involved an underground electric distribution line. For each incident, please provide. a) Date of the incident. a) Date of the incident accusance by PQSE employees, PQSE contractors, or a third-party of the incident accusance by the incident accusan	PGAE Exploits to this request as beyond the scope of this proceeding and unrelated to PGAE's 2022 WINE Notivithating and without winty figure scopicious, we provide the following information in relation to dig ins that happened in the 2000 to 2022 immframe within HFT DT limit 2 and Ter 3 zones. If please see column A of attendment VMPA-Discovey/2022 DR, Cald-hocates, 014-0019Achto1 six* for the requested information of attendment VMPA-Discovey/2022 DR, Cald-hocates, 014-0019Achto1 six* for the requested information of attendment VMPA-Discovey/2022 DR, Cald-hocates, 014-0019Achto1 six* for the requested information of attendment VMPA-Discovey/2022 DR, Cald-hocates, 014-0019Achto1 six* for the requested information of attendment VMPA-Discovey/2022 DR, Cald-hocates, 014-0019Achto1 six* for the requested information. Please note that there were no injuries associated with dig-ins involving an underground exercit cide-bloom in the 1th 2000 to 2022 time period. Of the control of the co	4/28/2023	8421	Emergency Proparedness	Overview of Wildfire and PSPS Emergency Preparedness
143	CalPA	Set WMP-14	CalPA_Set WMP-14	20 CalPA_Set WMP-14_Q20	a) During the period from 2002-2002, did PG&E replace any distribution poles as part of its WMP activities for which PG&E had not fully recovered the original cost of the pole? b) If the answer to part (a) is yee, what was PG&E is practice regarding cost recovery on the unrecovered portion of the value associated with the replaced pole? 0 If the answer to part (a) is yee, besse provide the number of such poles that PG&E replaced.	(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.	4/17/2023	8.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
144	CalPA	Set WMP-14	CalPA_Set WMP-14	21 CalPA_Set WMP-14_Q21	a) During the period from 2002-0222 did PG&E replace any distribution conductor as part of lis VMP activities to which PG&E fine for that y recovered the original cost of the conductor? This may involve undergrounding a previously hardened line, or replacing a tase overhead line will convent conductor. AGEEs practice regarding cost recovery on the unrecovered portion of the value associated with the replaced conductor. Of the value associated with the replaced conductor of the value associated with the replaced 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.	4/17/2023	8.1.2.5.2	Grid Design and System Hardening	Traditional Overhead Hardening – Distribution
145	CalPA	Set WMP-14	CalPA_Set WMP-14	22 CalPA_Set WMP-14_Q22	a) During the period from 2020-2022, did PG&E replace 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 yee, what was PG&E's practice regarding cost recovery on the unrecovered portion of the value associated with the replaced transformer? of the nature to card (a) is yee, before crowde the number of such transformers that PG&E reclased.	(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.	4/17/2023	8.1.4.11	Equipment Maintenance and Repair	Transformers
146	CalPA	Set WMP-14	CalPA_Set WMP-14	23 CalPA_Set WMP-14_Q23	a) in 2022, how many lymitors did PGSE experience related to overhead covered conductor distribution lines? b) in 2022, how many lymitors did PGSE experience related to overhead bare conductor distribution lines? c) in 2022, how many lymitors did PGSE experience related to underground distribution lines?	a) in 2022. PGEC observed 1 CPLC reportable ignition where the equipment type associated with the ignition was mustated distribution primary overheat conductor. b) in 2022. PGEC observed 183 CPUC reportable ignitions where the equipment type associated with the ignition was mare distribution primary overheat conductor. c) in 2022. PGEC observed 1 CPUC reportable ignition where the equipment type associated with the ignition was understorated or control of the equipment type.	4/17/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-06 – Addressing Increase in Risk Events
147	CalPA	Set WMP-14	CalPA_Set WMP-14	24 CalPA_Set WMP-14_Q24	a) in 2022, how many ignitions did PG&E experience related to overhead secondary distribution lines? b) in 2022, how many ignitions did PG&E experience related to overhead service lines?	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 service facilities.	4/17/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-06 – Addressing Increase in Risk Events

148	CalPA	Set WMP-14	CalPA_Set WMP-14	25	CalPA_Set WMP-14_Q25	P. 89 of PGSE's 2022 Joint Annual Report to Shareholders states: On October 20, 2022, the Utility notified the CPUC that the Utility's procedure for wood pole replacements did not comply with CPUC requirements for piscendent of piece and rectains conditions and, accordingly, in some as the control of the CPUC requirement of the control of the Children of the CPUC requirements of the CPUC requirements of the CPUC requirements of the CPUC requirements for replacement of poles under certain conditions. 1) List the specific conditions referenced in the statement, the Utility's procedure for wood pole replacements did not comply with CPUC requirements for replacements of poles under certain conditions. 2) List the specific conditions referenced in the statement, the Utility's procedure for wood pole replacements did not comply with CPUC requirements for replacement of poles under certain conditions. 2) List the specific conditions referenced in the statement, the Utility's procedure for wood pole replacements did not comply with CPUC requirements for replacement of poles under certain conditions. 2) List the specific conditions referenced in the statement, the Utility's procedure for wood pole replacements did not comply with CPUC requirements for replacement of poles under certain conditions. 2) List the specific conditions referenced in the statement, the Utility procedure for wood pole replacements and the Utility procedure for wood pol	a) Please see "WMP-Discovery2020_DR_Call/divocables_014-0025Atch01.pdf" for the requested information. b) The specific referenced non-compliances were with General Order (GO) 95, Rules 122 and 44.3 Please see page c) The specific referenced condition is when both the remaining strength of the pole and the loading on the pole results in a calculated selfs (fact below the at replacement value specified in Inde 4.3. An example of this is described in WMP-Discovery2022_DR_Call/divocables_014-0025Atch01.pdf" spages 3.4 includes the immediate risk temediation and longer-term corrective actions.	4/17/2023	8.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
149	CalPA	Set WMP-14	CalPA_Set WMP-14	26	CalPA_Set WMP-14_Q26	P. 89 of PGSE's 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 potes that had not netwed intrusive insepticions in accordance with GO 165s deadlines due as present of the production of accordance with GO 165s deadlines due as Passa provide a copy of the December 22, 2022 update referenced above. 39 Please provide a copy of the December 22, 2022 update referenced above. 30 Please provides a copy of the December 22, 2022 update referenced in the quote above. 30 December 19 Pleasy issuess' referenced in the quote above. 31 December 19 Pleasy issuess' referenced in the quote above. 31 December 19 Pleasy issuess' referenced in the quote above. 32 December 19 Pleasy issuess' referenced in the quote above. 33 December 19 Pleasy issuess' referenced in the quote above.	Q026Atch01.pdf.	4/17/2023	8.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
150	CMPA	Set WMP-15	CalPA_Set WMP-15	1	CalPA_Set WMP-15_Q1	PGSE states in response to Question 1 (b) of Califorocates-PGE-2023WMP-08. PGSE will maintain clearances where EVM work occurred. PGSE will also be prescribing a minimum radial clearance of 12 feet throughout the system within HFD and HFRD. Two new programs, Vegetation Management for Operational Management for Operational Management for Operational Management for Operational Management for Califoroma Management for Califoroma Management for Califoroma Management for Califoroma Management for Operational Management for Operation	a) Verglation Management to Operational Miligiation (MXMM) will be primarily focused in HPTD and HFRA. There is instances where a circuit segment may one in or and of HPTDRFRA and YMMOM would complete work on the whole circuit segment including the areas cubistle HPTDFRA. Focused Tree Respections are planned for HPTD and Verglation of the HPTD	4/14/2023	82228	Vegetation Management and Inspections	Discontinued Programs
151	CalPA	Set WMP-15	CalPA_Set WMP-15	2	CalPA_Set WMP-15_Q2	PG&E states in response to Question 1 (c) (iii) of Calladvocates-PGE-2025WMP-08 that its strategy for determining desired clearance distances going forward will be "Minimum of 12 feet of clearance or enough clearance to migrate potential impacts to battless the eveloped or potion of plates were be occur." Please deacher PG&E's planned methodology for determining sufficient clearance to mitigate potential impacts in the event of the office area more to mitigate potential impacts in the event of the fall time as mentioned affect.	Obbiting deseases consisted with CO 95 Rule St at the time-of-tim recommensations in the HTD may often require enhanced clearance beyond there commensations to address the conditions. He everall impacts of pruring to tee health, may compet the emoval, which can be interpreted as enhanced clearance. As a methodology, the goal is to miligate identified problematic the conditions between imperior royles and obtaining 2-3 years of clearance wherever possible with landowner cooperation, permitting and other regulatory requirements. With this methodology we wink the whole the or portion of the to impligate potential impact to ballities.	4/14/2023	8.2.2.2.6	Vegetation Management and Inspections	Discontinued Programs
152	CaIPA	Set WMP-15	CalPA_Set WMP-15	3	CalPA_Set WMP-15_Q3	PGSE states in its response to Question 2(t) of CallAdvocates-PGE-2023WMP-QE-Two new programs. Vegetation for Operational Milagianos (WMOM) and Focus Tree Inspections (FTI) will identify new trees for the sort of work identified in this [tree] inventory. Additionally, if any priority trees are discovered while completing the TRI scope of work, they would be listed for work consistent with all other VMI programs.* Please describe how PGSE intends to track trees identified for work under VMOM and FTI.	PG&E intends to track trees identified for work under VMOM and FTI using the OneVM tool.	4/14/2023	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
153	CaiPA	Set WMP-15	CalPA_Set WMP-15	4	CalPA_Set WMP-15_Q4	PG&E states in its response to Question 1 (c)(iii) of Cal/Advocates-PGE-2023VMP-08 that it will decide desired clearance distances 'Based on analysis of outage data and trends by AGC. Additionally, any tree which is within MRV, will be within the MURT before new oncomplication policy or is showing states of imminent failure before next a)RPseas provide how PGSE will determine desired clearance distances using analysis of cutage data and tends by AGC. b)Does 'MOR' stand for "Minimum Distance Requirement" in this instance? Psease define if not. c)Digws, is the "Minimum Distance Requirement" idented by the Tom General Order 95, or from PG&E's internal procedures? d) (b) the latter, please reference which procedure PG&E is utilizing.	and a program being performed in addition to Routine VM. the dejective of TTI in on based on a subtime or registed centroics specification as a feature disease. A substitution of the program of the pro	4/14/2023	8.222.6	Vegelation Management and Inspections	Discontinued Programs
154	CaIPA	Set WMP-15	CalPA_Set WMP-15	5	CalPA_Set WMP-15_Q5	PCES state in its response to Coastion 2 (or of Cold-Vocates-PCES-2020MR-08 but 1 "national VME PCES- entable dusting each instruct VM VME ped data, and coattown coatings impact data in devising the VMOM scope of work. 3) Pleases describe how PCES has utilized each of the following data types in devising the VMOM scope of work: 3) Pleases describe how PCES has utilized each of the following data types in devising the VMOM scope of work: 3) Pleases describe how PCES has utilized each of the following data types in devising the VMOM scope of work: 3) Please described his devision of the VMOM scope of work: 4) Resolved his devision of the VMOM scope of work: 5) Resolved his devision of the VMOM scope of work: 6) Resolved his devision of the VMOM scope of work: 6) Resolved his devision of the VMOM scope of work: 7) Resolved his devision of the VMOM scope of work: 8) Resolved his devision of the VMOM scope of work: 8) Resolved his devision of the VMOM scope of work: 8) Resolved his devision of the VMOM scope of work: 9) Resolved his devision of the VMOM scope of work: 1) Resolved his devision of the VMOM scope of work: 1) Resolved his devision of the VMOM scope of work: 1) Resolved his devision of the VMOM scope of work: 1) Resolved his devision of the VMOM scope of work: 1) Resolved his devision of the VMOM scope of work: 2) Resolved his devision of the VMOM scope of work: 3) Resolved his devision of the VMOM scope of the VMOM sco	a) I. VM EPS-enabled outage data was used to determine both a planned unit forecast and identify CP2s where EPSS VM Outages took place. W Outages took place. I. Customer outage impact data was used to identify CP2s where recroaming VM outages took place. II. Customer outage impact data was used to identify outsomers who experienced more frequent outages.	4/14/2023	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
155	CaPA	Set WMP-15	CalPA_Set WMP-15	6	Caipa_Skk WMP-15_Q6	PGSE states in its response to Question 2 (c) of Chlidnocates-PGE-2023WMR-08 that: PGSFTI. Areas of Concern (ACCs) were identified through a cross-functional effort utilizing county-based regional reviews to create polygons which are geographic areas. Initial polygon development utilized WDRMs0 consequence scores. Pablic Safety Septical circuit-based equalization, appearing System Inchinact of meleoratory state, and report score of the Charles of Polygons and Polygons of the Charles of the Charl	LIVORBMAC Consequence scores aided in quality checking the AOC polygons. Adding this to the process resulted in adding the additional AOC polygons containing 32 circuit rates. WDRMAC was also used to mark and prioritize the AOC polygons and additional AOC polygons containing 32 circuit rates. WDRMAC was also used to mark and prioritize the PAOC Set Set Security of the AOC polygons and additional process and ad	4/14/2023	8222.4	Vegetation Management and Inspections	Tree Removal Inventory
156	CaPA	Set WMP-15	CaiPA_Set WMP-15	7	CalPA_Set WMP-15_Q7	PG&E states in its response to Question 2 (h) of Califodvocates-PGE-2022WMP-08 its Tree Inventory Program "is planned to bast 9 years", in response to Question 9 (a) of Califodvocates-PGE-2022WMP-08, it provides a pace for the rest tree years of 15000 frees in 2022. 2000 feets any 2024, and 25000 feets any 2024 and 25000 feets and 2	In the gase was provided for the fast three years of the program with intents to rame up annual gase. Seven is a starting point to path the pase of work completion howers. Per leason feared with from the completion thing, b) We entiquate that there will be opportunities in the initial years of the program for lessons learned regarding safety, efficiencies, and coordination with other system handering additives, so the program has been designed to may one the first three years. 2) The gasel for 2025 and beyond are not yet determined. The progress and lessons learned in the first three years gasels for 2025 and beyond. 3) We do not have the explicit gylinds in risk propersor that the program possible of 2025 and beyond. 4) WA. 9) We do not have the explicit gylinds in risk propersor and instance of 5,056 (449 WDRIA V3 risk points a Charlesprise Wildler MWY callestion factors (1.41). This the inventory, However, based on the WDRIA V3 risk points a Charlesprise Wildler MWY callestion factors (1.41). This term for the program persisted since new work would be continuity added with exorting down the side of the control of the program pensisted the contribution and completion of these.	4/14/2023	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory

								a) Narrows 21052216				
157	CalPA	Set WMP-15	CalPA_Set WI	MP-15	8	CalPA_Set WMP-15_Q8	PCSE riskles in to response to Overling 3 (h) of Califo-Incester-PCS-2020WIR-08 that "The Wildfire Data Risk Model (WDRM) views diffused by prioritize ninc CP2s for the VMOM program." 3) Risease provide the CP2s that were provided for the VMOM program. 3) Risease provide the CP2s that were provided for the VMOM program. 5) Risea was the WDRM v3 model utilized in prioritizing the ninc CP2s? () What risk threshold, or other criteria, was used in prioritizing the ninc CP2s?	Margain Hill 2111NR388 Lauries 11112000 Templetar 2110901890 Big Basin 11010720 Silvesado 210059029 Silvesado 210059029 General 201059020 General 201059020 General 201059020 General 201059020 General 201059020 The WORD W	4/14/2023	8.222.3	Vegetation Management and Inspections	VM for Operational Mitigations
158	CalPA	Set WMP-15	CalPA_Set WI	(P-15	9	CalPA_Set WMP-15_Q9	PGSE states in the response to Question 3 (f) of CalAdvocates-PGE-2023WMP-08 that "PGSE will utilize EPSS Outages Exter of Candidion (ECC) paints to identify and generate advisional tree work throughout the year. Additionally, EPSS outage data will be sufficient in the scope of work development for the following year. Please provide the time have or date when PGSE would plan to complete the additional tree work that is generated foreigned the year.	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 PGSE facilities, described as a Priority 1 in the VM Priority Tag Procedure, the condition will be mitigated within 24 hours of identification as into, as conditions are safe for the free crew to proceed with work. Priority 2 tags are issued for vegetation that is within Minimum Distance Requirement (MDR) to the decirities and will be missed within 20 business days.	4/14/2023	8.2.2.3	Vegetation Management and Inspections	VM for Operational Mitigations
159	CalPA	Set WMP-15	CalPA_Set WI	MP-15	10	CalPA_Set WMP-15_Q10	PGSE states in its response to Question 4 (e) of CalAdvocates-PGS_0007WIRP-08 that FP61 ADCs are prioritized using WDRMA. The four pilot ADCs selected for 2021 incerporated additional evidents from the VM Execution Operational Team to select appropriate regional areas to inform the programs development." a)Rease describe how the PIGFADCs were prioritized using WDRMA. b)Did reviews from the VM Execution Operational team charge the WDRMA-generated prioritization? If so please describe how.	a) WOTBAD vegetation accres were aggregated at the ADC level for each circuit segment within ADC polygon boundaries. The residing WORBAD aggregated scores were everaged per ADC, lesting to a rainfully within was used to prioritize ADCs. The pilot ADCs were selected among the top 25 mixed ADCs. Pilot ADCs decided no process to the pilot and pilo	4/14/2023	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
160	CalPA	Set WMP-15	CalPA_Set WI	MP-15	11	CaIPA_Set WMP-15_Q11	POES tables in its response to Question 4 (g)(i) of Califohocates-POES/2029/MP/08 that the scope of work for Focused The Inspection pilots is to Comprise a focused the inspection pilot of polycut 4-100 OF Inn Initia in 2023 a schalar processes and of fortices of the International Comprises of the International California (International California) (International Califor	a) With a goal to identify regionally variables ACC is pitch the initial program the four ACCs were selected (See response to Discostin 10.0). The 300 miles represents approximately 10% of the overall provider ACCs was walled for 2023 and is intended to yield the isomorphism perceived to support and inform future work plans. According to the control of the provider of the provide	4/14/2023	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
161	CalPA	Set WMP-15	CalPA_Set WI	MP-15	12	CalPA_Set WWP-15_Q12	PGSE states in its response to Question 4 (III)(I) of CalAdvocates-PGE-0223WMP-08 that "White inspection tools and data collection are expected to be standardized it is articipated that more regional guidance will utilize historical outgage data to help us identify prolements the expected and faiture modes and alter conditions to support supports to the property of the property o	a) The following clarifications are to provide more detail on what more regions guidance in intended to accomplish of Codiance associated with book sittlificated data Goldecia der speciated to be stimulated for the FT program in all ADCs during the initial priots. The cutage, species and the fall benefit of the STP program of a provided to be reverted prior to shafing position. The data is not instancial assistences since of which may be unique expected to be reverted prior to shafing position. The data is not instancial assistences since of which may be unique expected to be reverted prior to shafing the stancial prior to the program and standardize its execution. Expended or regional factor shafing the stancial prior the program and standardize its execution. Expended or regional factor shafing the stancial prior the program and standardize its execution. Expended or regional factor shafing the stancial prior the program and standardize its execution. Expended or regional factors have been religiated to see on the regional factors and Zone Areas and Timberlands where Callorina Force Practice fitted and the religiated towards where Callorina Force Practice fitted and the regional standardized as the regional standardized and the standardized program of the standardized and the standardized program of the standardized program of the standardized program of the standardized program of the standardized profites that can provide insights and inform their its and the specific evaluations and resembles. This failures and species profites that can provide insights and inform their its and the specific evaluations and resembles.	4/14/2023	8.222.5	Vegetation Management and Inspections	Focused Tree Inspections
162	CalPA	Set WMP-15	CalPA_Set Wi	MP-15	13	CalPA_Set WMP-15_Q13	PGSE states in its response to Question 4 (s) of CalAdvocates-PGE-2023WIMP-08 that "Plass or Fall oriteria is not anticipated for the FTI program. FTI will use TRAQ Certified Arbotists to perform inspections and prescribe work based on all earl of the specific conditions. Some trees will be timmed and other will be removed to address associated risk between inspection cycles." Pleases provide and criteria that PGSE will employ to determine tree trimming and removal, including the abovernerstoned "alle and tree specific conditions".	Level 1 impections are to be performed during patrios. Site specific and tree specific conditions will help impection determine when the 22 impections are needed to determine if a been reeds to be completely enrowed of trimmed to mitigate rates between imspection cycles in the ACC. Guidance provided in the California Power Level Fire Prevention Level Could an Country of the California Power Level Fire Prevention Level Country of the California Power Level Fire Prevention Level Country of the California Power Level Fire Prevention Acceptable Country of the California Ca	4/14/2023	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
163	CaiPA	Set WMP-15	CalPA_Set WI	MP-15	14	CalPA_Set WMP-15_Q14	PGGE states in its response to Question 6 (f) of CsIA4vocates-PGE-2023VMP-08 that "PGGE has performed lab testing which has shown DCD is able to detect and de-energize downed conductors reducing ignition risk where installed." 3)Rease describe the methods, scope, and findings of the abovementioned lab testing, including reports, etc.	a) DCD bit bitsing was formally conducted at ATS in 2022 to waitable DCD effectiveness to detect and de-energize downed conductors, as well as calcalated in troublemboring, humps, mainterance, and desugging. The feats were designed to minim high impediance fault conditions experienced in the system such as a tree resting on energized conductor, or an energized conductor plan on all consideration and conditions are destinated that DCD was able to detect the high impediance fault condition and de-energize high impediance fault for the fault of the description of the fault of the	4/14/2023	8.2.3.4	Vegetation Management and Inspections	Fall-in Mitigation
164	CalPA	Set WMP-15	CalPA_Set WI	IP-15	15	CalPA_Set WMP-15_Q15	PGAE states in its response to Question 12 of Californicates PGE-9023WMP-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 blans'.	A Catch Back is a recovery plan developed when project milestones are off-track. The Catch Back Plan is developed by the project onner with stakeholders, and includes the specific problem, counter measure(s) to date, raised issue date, stoped closure date, are considered and the construction of the constr	4/14/2023	8.2.5	Vegetation Management and Inspections	Quality Assurance/Quality Control
165	CaPA	Set WMP-15	CalPA_Set WI	MP-15	16	CalPA_Set WMP-15_Q16	PGSE states in its response to Question 13 (parts a, b, and c) of Californizates-PGE-2023WMP-08 that: Improved quality verticats have been established for 2023, allowing for greater insight into overall 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 or production of the producti	al Quality Control - Quality Assurance were implemented as complimentary layers of defense against difficiencies. The "improving duality reficials" mean that PGEA has implemented complimentary layers of protection (views choses model) to ensure assertions of the process of t	4/14/2023	825.1	Vegelation Management and Inspections	Quality Assurance and Quality Verification
166	CaPA	Set WMP-15	CalPA_Set WI	MP-15	17	CalPA_Set WMP-15_Q17	PAGE states in its response to Coustion 17(s) of Californiano-PGE, 2023/NIM-DB that "Fig Resultine and Second Partic) (PAGE does not currently have denatured sepecific to light-risk species"), but the greek speak will be incorporated into Focused Tires Inspections pilots in 2023. PAGE states in his response to question 17(s) that Cheveroperated or systematic relationship to high-risk species is all being identification and confingent upon completion of FTI pilots in 2022. A determination will be made specific to that program as its guidance is sulfly does PAGE only pilot to develop standards related to high-risk species for rotaline and second patient? Silfly does PAGE only pilot to develop standards related to high-risk species for Archaes of Concern, rather than throughout its service territory? Cythous in PAGE establishing the standards for high-risk species? IL What expense is being used another consulted? IL B PAGE undertaking independent third party review, peer review, or some other method to provide independent assurance of their progress distinuistics related is high-risk species of any pilot in a respect to the pilot of the pilot species developed for its Areas of Concern for use ellipse, pilot seasoned the PAGE plant to expend standards? Jifford PAGE plant to expend standards related to high-risk appecies developed for its Areas of Concern for use ellipse, pilots expecies the PAGE plant to expend standards?	a) Species is just one factor of many that PO&E take is into account to reliably identify the higher inik treat. These senties during routine and second patrol inspection register that require mitigation per PPC-L203 and COO6 Rule Sold during routine and second patrol inspection register that require mitigation per PPC-L203 and COO6 Rule Sold Sold Sold Sold Sold Sold Sold Sold	4/14/2023	8.236	Vegelation Management and Inspections	High-Risk Species
167	CalPA	Set WMP-15	CalPA_Set WI	MP-15	18	CalPA_Set WMP-15_Q18	PGEE states in its response to Question 18 of Cald-funcates-PGE-02028/MR-0.0 that "The Quality Management sum has aligned on setting target pass rates at 88% for Field Quality Control Active Observation Programs for the following one vegetation management programs: Routine Distribution, Second Patrol Distribution, Vegetation Control, and Routine Transmission." Please state the basis, provide the method, and supporting documentation for the abovernentioned 88% target pass rate.	Basis for deciding on the 88% larger —FORE decided for Dilizzo (1 2023 data betwas na merage pass rate as pass rates were not calculated in previous years. Performance for 101 2023 data shows an merage pass rate data pass rate for Routine Destination, Second Partie Claristotion, 1 4 Myelland Control, which were the three programs for which we have data. Method for calculating the method is in Routine Termination. Method for calculating the method of the Routine Termination	4/14/2023	8.2.3.6	Vegetation Management and Inspections	High-Risk Species

168	CaPA	Set WMP-15	CaiPA_Set WMP-	5 19	CaIPA_Set WMP-15_Q19	In its response to Question 5 of Collaboroustee-PCE_2003/WMP-08, PQBE provides the foliosing table of solution and forecasted costs for vegetation management programs. PQBE further states that "The CNAT mentional programs for VM are a Focused Tree Inspections, VM for Operational Mitigations, and Tree Removal Inventory." a)Please update this table to include the actual and forecast costs for each EVM Transitional Program, including: 110,000 for the transitional Program, incl	In Presence are the unclined side of which includes forecast coals for each EVM transitional program. These programs waver and stell with 1002 benefice schald costs are not evaluable. ACT FCST FCST 2002 2003 2004 Tree Mortality \$ 100,129 \$ 100,817 \$ 58,112 Tree Mortality \$ 100,129 \$ 100,817 \$ 58,112 FOR STAN STAN STAN STAN STAN STAN STAN STAN	4/14/2023	8252	Vegelation Management and Inspections	Quality Control
169	CalPA	Set WMP-15	CalPA_Set WMP-	5 20	CalPA_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 tacking jainned worked date for individual trees and are unable to provide the data at this time." DUCHES PGES plan to develop a source for tracking jainned work date for individual trees? Upt the answer to part (a) it says, when does PG&E opport to have such a system implemented? Ciff the answer to part (a) its no, places orgalin inly not.	a) No. PGEE 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 request that may cortain multiple trees on the same cricar. The work identified is the next out and completed as a project. Tracking individual trees and individual work dates would be a strain on our resources. PGEE tracks on a project level basis providing a forecast date of them all work should be completed within the provided value.	4/14/2023	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 PGAE's data showing the *recorded retiability improvements at locations that have been undergrounded and/or have been hardered with covered conductor that will be assessed in the study planned for completion on June 30, 2020.	We are providing the base 3-year outage distanct in the statishment "WMP-Discoverpt203 DR TURN 004- 0007Ha0/10/CDR 3xx." We are complishing additional complimently oldested because insterning work is one at largeded high risk segments, and these project locations do not completely line up with the data captured in outage records. Please note that the attachment provided with this response contains confidential information.	4/17/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
171	TURN	004	TURN_004	2	TURM_004_02	Regarding Table FGSE-22-35-1 (PSPS Everts Lookback Analysis) on page 872 of PGSE's 2022-2025 WMP- SEC and column with namerals, provide a verbal description of all input data and of how the numerals in each column were calculated. b. Provide the table in live Excel format.	Analysis (2018-2022). Bits is an analysis which allows the hydrothecial RSPS events created by applying 2022 PSPS quidance to the water form 2016-2022 PSPS. It is a common to the second process of the process of th	4/17/2023	Appendix D	Areas for Continued Improvement	ACI PCAE-22-35 Quantify Mitigation Benefits of Reducing PSPS Scale. Scope, and Frequency
172	TURN	004	TURN_004	3	TURN_004_03	Regarding PC&E's response to ACI PC&E 22-35, beginning on page 971 of its WMP: a.Riseas identify each mitigation discussed in PC&E's current VMIP or its 2022 VMIP that has the potential to mitigate the scale, scope, frequency, or duration of PSSE events. Whence explain with their 22-35 or 100 close at the impact of the mitigations, undergrounding and MSO, and suffered the provide of the provid	The fact the field 2002 Mere Voolcarby debases in sources in many point as to mere the business of the source from the fact that	4/17/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-35 Quantily Miligation Brentlis of Reducing PSPS Scale, Scope, and Frequency
173	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safe Policy Division)_0		CPUC - SPD (Safety Policy Division)_003_Q1	1.Eill in the attached spreadsheet "Wildfire Mitigation Table DR – PG&E." The first tab is a "Giossary" which provides definitions for each attribute. The other tabs, "Data input," "Asset Inspections," and "VM Inspections," all need to be completed with data inputed from PG&E.	Please see attachment "WMP-Discovery2023_DR_SPD_003-Q001Alch01.xlsx" which is the completed Wildfire Mitigation Table DR – PG&E template provided to us by SPD.	4/19/2023	8	Wildfire Mitigation	N/A
174	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safe Policy Division)_0	y 3 2	CPUC - SPD (Safety Policy Division)_003_Q2	Zin "PGE_2022_WMP_R0_Section_642_Abdn01; SPD has observed the mitigation effectiveness of Covered Conductor is on the order of 46% compared to the value reported in the WMP which is 64% (page 346). Explain the discrepancy	The clotal information is incorrect in the WMP. We have corrected it in response to this discovery request. We will reach out to Energy Selby of discuss the logical and making corrections to the WMD persuant to Energy Selby's Clubelines. Clubelines of the Control of the Co	4/19/2023	8.1.2.1	Grid Design and System Hardening	Covered Conductor Installation – Distribution
175	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safe Policy Division)_0		CPUC - SPD (Safety Policy Division)_003_Q3	3.Confirm or revise PG&E's Buttle County OH to UG conversion factor in the 2023-2025 WMP (currently 1.57 in the GRC) based on actual and estimated UG miles for 2023-2026. In the PG&E 2023 GRC Reply Brief (Dec '22) PG&E forecast 2,000 SH UG miles (MAT 08W) and 100 Buttle County UG miles (MAT 95F) for 2023-2026.	PG&E confirms that our Butte County OH to UG conversion factor for the 2023-2025 WMP is 1.57.	4/19/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution

176	CPUC - SPD (Safely Policy Division)	063	CPUC - SPO (Safe Policy Division), 0		CPUC - SPD (Safely Policy Division)_003_04	A Based on WSPS initial review of the wildfile ignitions and general understanding of PG&E's undergrounding program. It appears that undergrounding would have prevented only 87% of CPUC-reportable ignitions in the HFTO area between 2000-2002 primarily due to the impact of secondary and service conductor ignitions. Undergrounding 1 the program of the end of the conductor and service conductor ignitions. While the conductor is the conductor of the conductor and service conductor ignitions. While Size leg (see 200) Pease roise, WSPS is still cleaning the data and determining the best methodology to analyze the data of the PSP analyze of the conductor. And undergrounding professed in the Wildfilm and Wildfilm and PSP and the Conductor of the PSP and the PSP an	In the EU. 2022 vision success yet promotes a team response team towers now rooks construction to executive sense of usergen canning in reducing girdinos (WIMD Discovery 2022 CP, Discholorosise 202-00.4) An PCAEL PCAEL Set estimate of the effectiveness of undergrounding in reducing girdinos is based on subject matter expertise. PCAEL Set estimate on the effectiveness of undergrounding in reducing girdinos is based on subject matter expertise. PCAEL Set estimates of the effectiveness of one of the post of the effectiveness of one of the post of the effectiveness of one of the effectiv	4/19/2023	8.122	Grid Design and System Hardening	Undergrounding of Bectric Lines and/or Equipment – Distribution
177	CPUC - SPD (Safely Policy Division)	003	CPUC - SPO (Safe) Peley Division), Di	y 3 5	CPUC - SPD (Safety Policy Division)_003_05	S.Regarding the UG workplan table provided by PG&E, 2023-03-27, PGE, 2023, WMAP_R0, Appendix D.ACI PG&E, 22-16, Action 1, OWER Mark. (V2)* begin at Rank 7 (as opposed to 1) for circuits? st.Why does Cautin O'Teak Rank (V2)* begin at Rank 8 (as opposed to 1) for circuits? st.Why do the gaps in rank 1-14 edst? b.Why does Cautin T'Teak Rank (V3)* begin at Rank 6 (as opposed to 1) for circuits? st.Why does Design at rank 1-14 edst? st.Why does Design at rank 1-14 edst?	a role are are the printing reasons two year lack making observations and are the profited with other larger project (e.g., the circuit segments that are this kinded i. 1.4, at and two well are be than if the subtided with other larger project (e.g., the circuit segments). 2 Convent the certification of the subtided with other larger groups of circuit segments are prividely owned lines, we send an around laided to the owner removing from of 2.0 Convent the certification of these circuits (e.g., the circuit segment that is risk ranked 2.2 is prividely connect). 3.0 Some circuits are the trials make 3 can be the six model data but work has been completed on that circuit segment and therefore the ranked lines are been connected to the circuit segment and the server transfer of the sale which years are send to the circuit segment and the removal of the circuit segment and the removal of the circuit segment and the removal of the circuit segments are send of the circuit segment and the removal of the circuit segments are send of the circuit segments and the circuit segments are send of the circuit segments and the circuit segments are send of the circuit segments and the circuit segments are send of the circuit segments and the circuit segments are send of the circuit segments and the circuit segments are send of the circuit segments and the circuit segments are send of the circuit segments and the circuit segments are send of the circuit segments are sended to circuit segments are sended to circui	4/19/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-16 – Progress and Updates on Undergrounding and Risk Prontitization
178	OEIS	002	OEIS_002	1	OES_002_01	a Has PG&E used its Targeted Tires Species study to identify additional clearances for and begin inventory of since with the highest growth and highest failure potential? If Incl., please eighen PG&Es plan to potent this rankplas and this knowledge into its VM programs. If Incl., please eighen PG&Es plan to potent this rankplas and this knowledge into its VM programs and operationalization. In the process and Procedures for collecting and enhancing checklists for field inspections behave PG&Es plan to potent this reviewed the Process and Procedures for collecting and enhancing checklists for field inspections. If If not, please eighen PG&Es plan to potent this reviewed the knowledge into its VM programs. If If not, please eighen PG&Es plan to potent this review growth and operationalization. List on cytical reviewed from mid-cycle inspections sequence can be adjusted to align with Areas of Concerns in Italian PG&E equals of low PG&Es than and will integrate this knowledge into its VM programs. If Incl., please eighen PG&Es plan to perform this review and provide a timeline for completion and operationalization. If so, explain the results and how PG&Es has and will integrate the knowledge into its VM programs. If Incl., please eighen PG&Es plan to perform this review and the knowledge into its VM programs. If Incl., please eighen PG&Es plan to perform this evaluation and provide a timeline for completion and operationalization.	No. PCAE has not used its Targeted Tree Species study to identify additional desarraces for inventory of trees with the highest growth and the first study of the second to be spin such an inventory. The Targeted Tree Species Study (TTSS) dark of includes in the bighest way analysis of the growth rates or make any recommendations on clearances to be obtained at time of tree prunting. 1. PCAE does not have a pinto be petim the analysis at the time inspections and current clearance guidance. 1. The pinn is to complete the review by year end 2023, any updates deemed necessary will be incorporated for operationalization in 2024. 1. See above. This is currently in progress. 1. The pinn is to complete the review by year end 2023, any updates deemed necessary will be incorporated for operationalization in 2024. 1. See above. This is currently in progress. 1. The pinn is to complete the review by year end 2023, any updates deemed necessary will be incorporated for operationalization in 2024. 1. See above. This is currently in progress. 2. The pinn is to complete the review by year end 2023, and yet descriptions to develop the reference of the pinn of th	4/18/2023	Appendix D	Areas for Continued Improvement	ACI PC&E 22.24 - Progression of Vegetation Management Maturity
179	OEIS	002	OEIS_002	2	OEIS_002_02	a. What are the minimum qualifications for an inspector preforming the tree-risk assessment for the Focused Tree Inspections? b. Why and how did PCRE choose to use the American National Standards Institute (ANSI) 3-300 line risk in the PCRE of the PCRE in the Assessment Tool (TAT) for Focused Tree Inspections? Include a comparison of the benefits and drawbacks of ANSIA-300 and PC&E's TAT.	a) The minimum qualifications for an inspector performing the tree-risk assessment for the Focused Tiree Inspection is a Tree Risk Assessment Qualification (TRAO) brough the International Society of Arboriculture (SIA). IV was utilitate the Hermitical Society of Arboriculture (SIA) and the Tere Risk Assessment Form for the Focused Which is based on ANSI A-900. We utilized Includys standards, regulatory guidance, and existing commitments in the decision to select ANSI A-900 as a hereful foreigness and the remover's as guidance for the TTI program. - ANSI A-900 is an includiny wide standard that was created independent of PSGE with decisions of proving the ANSI A-900 as hereful and Inspection Society Arboriculture (SIA). - Recommended Changes to the CPUC's General Orders on Pagel 11 of Ervista Forenia; but dated, 241 EDITION). - Recommended Changes to the CPUC's General Orders on Pagel 11 of Ervista Forenia; but dated, 243 & 2022. - Rodolfiscallor GOS (SIA, Rod 50 is mightabe safely, reliability in Place of the sessioner that would dreat and standards and best management practices. - ANSI-AND, (PIR) The Risk Assessment a. The Faiture Amendment Assessment and the session of the session of the session of the session of the Pagel Arboriculture is the Rodolfiscal CRIST of the Risk Assessment a. The Faiture Amendment Society of Arboriculture is Best Management Practicus (SIB) Tree Risk Assessment Practicus Edition - International Society of Arboriculture's Best Management Practicus (SIB) Tree Risk Assessment practices Edition - The Risk Assessment Qualification provides an industry coupled to the risk assessment methodology that benefits by being supported by a qualification program designed to train and assess candidates in a specialized field of arboriculture. Err Risk Assessment practices. - The Risk Assessment Caudification program designed to train and assess candidates in a specialized field of arboriculture. Err Risk Assessment methodology that benefits by being supported by a qualification progr	4/18/2023	82225	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.	The confidential attachments are being provided parametr to the accompanying confidentially declaration. a. Please see attachment "WMP-Discovey/2023_DR_OEIS_002_00034cbit DCOMP_pdf for a unreducted version of our CERP. Please see attachments "WMP-Discovey/2023_DR_OEIS_002_00034cbit DCOMP_pdf and "WMP-Discovey/2023_DR_OEIS_002_00034cbit DCOMP_pdf and "WMP-Discovey/2023_DR_OEIS_002_00034cbit DCOMP_pdf for our unreducted Wildlife Annex and PSPS Annex, presenceively."	4/18/2023	8.4.1	Emergency Preparedness	Overview

	1		r		<u></u>			r	1	
181	OEIS	002	OEIS_002	4 OES_002_04	a. On page 507, PICAE inferences the weather stations deployed over their 70,000 square mile territory for monibuling conditions. Il Provide the institution standard that all PICAE weather stations are installed to, include height from ground, direction of cross-sm., and which side of the positives they are installed on. It is page 570, PICAE references the maintenance for their weather stations and calibrations preformed to "our standard" and the standard that is being referenced for the calibrations and compared to the maintenance tracking the standard. It is Provide the batt number of stations that are serviced annually over the past 3 years, and the maintenance preformed on each station. It is Provide the batt number of stations not serviced annually over the past 3 years due to "remolences of location" in Drovide the estimated life span of each sensor and the replacement cycle for each.	I. Please see the attachment "WMP-Discovery/2022 DR_DES_002-Q004Act/01/CONF-pdf" for the requested information. I. Please see the attachment "WMP-Discovery/2022 DR_DES_002-Q004Act/01 Act/02/CONF-pdf" for the requested information. We developed our calibration procedure in coordination with Western Westfeer Group, who provides guidance on calibration and mathematic positions and configuration of the process	4/18/2023	8.32.1	Situational Awareness and Forecasting	Eisting Systems, Technologies, and Procedures
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.	In reviewing this request, we discovered that some of the information in Table 7-4 is incorrect. We have corrected it in response to this discovery request. We will reach out to discuss this update and making corrections to the WMP pursuant to Employ Safely's Guidelines. Please see WIMP attachment "WMP-Discovery2023 DR OEIS 002-0005Abb101.sts."	4/18/2023	7.2.2.3	Wildfire Mitigation Strategy Development	Projected Risk Reduction on Highest- Risk Circuits Over the 3-Year WMP Cycle
183	OEIS	002	OEIS_002	6 OEIS_002_Q6	Under Section 8.1.2.8, PG&E only includes additional information for distribution protective devices. What program(e) does PG&E currently have for system automation equipment at the transmission level?	As indicated in Section 6.8.1.6.2 of the 2023-2025 WMP, on the transmission system, sub-rectioning is deabled for the entire wideline essential methods and operation, Haddless, Indicated 1.2.1 we explained how the retrieve wideline essential rections of the property of	4/18/2023	8.1.2.9.1	Grid Design and System Hardening	T Line removal (in HFTD) - Transmission
184	OEIS	002	OEIS_002	7 OSIS_002_97	althroide a definition for PGAE's "Collised Pleas Rate" for its statel inspection QC, as shown in Table PGAE-22.21. 1. This should include criteria for what qualifies as "critical" including any risk thresholds, associated equipment- pleas, or other relevant determinations. b. Does "Critical Pleas Rate" differ from the "Xa device HFTD Pleas Rate" provided in Table RN-PGAE-22.08.05 in response to Clinical have RN-PGAE-22.08 (0) if "ind., desorther have the form the first office. PGAE-22.08.04 in response to Critical Basse RN-PGAE-22.08 ((f) if not, desorther have the desorther than the control of the provided of the RN-PGAE-22.08.04 in response to Critical Basse RN-PGAE-22.08 ((f) if not, desorther how the two differ.	result in a potential fire ignition. **Difficial Pass Raid** Coes not differ from "OA Review HFTD Pass Raid." Critical attributes are defined by Asset Strategy. **Strategy and Pass Raid** Incut the inverse of "OC Review HFTD Failure Raid**. These items differ because "Official Pass Cauchery locks a forci and attributes and extend by Avest Charley, whereas **CD Review HFTD Failure Raid**. In excess the control pass of all errors within the OC review checklist, not just Critical Attributes. "OC Review HFTD Failure Raid* is the examber of reviews completed by OC that where all east one OC Inding divided by the still another of reviews."	4/18/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-21 Asset Inspections Quality Assurance and Quality Control ACI PG&E-2-08 Better Application of Specific Lessons Learned from Utility- Caused Fires
185	CEIS	662	OEIS_002	8 CEIS_002_Q8	a Book many ignitions were evaluated via PG&E's EIA program in 2021, 2022, and 2023 (if applicable) were reported by the program of the progr	completed by QC and is distallated as a percentage. As We completed the evaluative actions for 11 lignificions in 2021; we established the EIA program in 2021 and the scope/bit-sead of these evaluations may vay. Under the EIA program, we completed 147 lignificion evaluations in 2022. As A confirmed not pulliphy Procedure EIA SECONDAY 2017 is noted Enhanced splaton Analysis Procedure (first published in September 2022), lignificion with these conditions meet EIA collection. As A confirmed not pulliphy Procedure EIASCOSPO 2017 is noted Enhanced splaton Analysis Procedure (first published in September 2022), lignificion with these conditions meet EIA collection. Also Facility ingritions in a High Tire EiAs Ase of HEFAID or High Fire Threat Elastic (FIFTID). Note: Facility ingritions caused by invalidate tracking hard do not result in a CPUC reportable ignificion will not be included elastic procedure. As a collection of the control of the control of the collection of the control of the collection of counter (First Collection) and the collection of counter (First Collection) and the collection of counter (First Collection) and the collection of	4/18/2023	Appendix D	Areas for Continued Improvement	ACI PC&E: 22-08 Better Application of Specific Lessons Learned from Ullily- Caused Fires
188	CEIS	662	OEIS_002	9 OEIS_002_09	a Provide the definitions for the EPSS Outage Types under Column J for the tab tabeled "2022 EPSS Outage Data". Data: In What analysis has PCAE performed on EPSS-caused outages to determine which outages would have led to an ignition? College performed the EPSS and the set of the EPSS program would have led to an outage of the epss. The end of the epss of the end of th	A. The table below of effines each of the four (4) values appearing in column "J" of the spreadsheed PG&E provided. PESS Outlage Type Psoul-Opinized Circuit Settings FTS Type Type (1) Psoul-Opinized Circuit Settings FTS Setting (1) Psoul-Opinized Circuit Settings FTS Settings FTS Setting (1) Psoul-Opinized Circuit Settings FTS Setting	4/18/2023	Appendix D	Areas for Continued Improvement	ACI PGSE-20-32 – Updates on EPSS Relatably Study
187	OEIS	002	OEIS_002	10 CEIS_002_010	a.B. Trucks an Excel seet stimp all work orders closed by PGAE in 2022 billowing the same format and informations. In 16th 17 of the DGR, with the additional columns: I.Date the work order was closed. In 16th 18th 18th 18th 18th 18th 18th 18th 18	and the residenty riskoy. a. Please see the "Table 13 - Closed" tab in attachment "WMP" Discovery2022_DR_OEIS_002-Q010Act/01.xls." for the requested information. The requested information. Presses ee the "Table 10 - Oper tab in stachment "WMP" Discovery2022_DR_OEIS_002-Q010Act/01.xls." for the requested information. Please note, this data was pulled on February 20, 2023.	5/9/2023	8.1.7	Open Work Orders	NIA

		1			T		TPGAE has used tribe relevant decision trees to scoop work for System hardening. (1) System hardening. (2)				,
188	TURN	006	TURN_006	1	TURN_008_Q1	1. Please provide any decision tree schematic in PG&E's possession that shows, for a given location where PG&E decides which mitigation technique to use – i.e., undergrounding, covered conductor, remote gold installation, etc. — excluding without finalizable the criteria that substitution is considered to the conductor. Precede provide a nariothe explanation of what the decision tree schematic shows.	rangeded Undergrounding, and (3) Fire Rebuild belang place in an IHTID. Belane the Targeted 10K LIQ program. PRGSE predominantly used the System Kerkering (see attachment WWR-Discovery2022, DR, TURN, DG. QD01/MXD03) and Fire Rebuild Education Years (see attachment WWR-Discovery2022, DR, TURN, DG. QD01/MXD03) and Fire Rebuild Education Years (see attachment WWR-Discovery2022, DR, TURN, DG. QD01/MXD03) and Fire Rebuild Education Years (see attachment WWR-Discovery2022, DR, TURN, DG. QD01/MXD03) and Fire Rebuild Education Years (see attachment WWR-Discovery2022, DR, TURN, DG. QD01/MXD03) and Fire Interest (see attachment WWR-Discovery2022, DR, TURN, DG. QD01/MXD03) and Fire Interest (see attachment WWR-Discovery2022, DR, TURN, DG. QD01/MXD03) and Fire Interest (see attachment WWR-Discovery2022, DR, TURN, DG. The primary approach for selecting undergrounding miss used for risk priorization methodologies. (1) Top 20 periorist (critical segments based on the 2022. The primary approach for selecting undergrounding featibility, Both approaches used to select undergrounding projects segments based on the 2022. Regress (see attachment YWMP-Discovery2022, DR, TURN, DG. Please see attachment YWM-Piscovery2022, DR, TURN, DG. Please see attachment YWM-Piscovery2022, DR, TURN, DG. Please see attachment YWM-Piscovery2022, DR, TURN, DG. Coroll Additional to the warping or a right edit is undergrounding crusion included in the WWR-The process, as foreign to the sea attachment YWM-Piscovery2022, DR, TURN, DG. Coroll Additional to the WWR-The process, as foreign to the sea attachment YWM-Piscovery2022, DR, TURN, DG. Coroll Additional to the WWR-The process, as foreign to the sea attachment YWM-Piscovery2022, DR, TURN, DG. Coroll Additional to the WWR-The process, as foreign to the sea attachment YWM-Piscovery2022, DR, TURN, DG. Coroll Additional to the WWR-The process, as foreign to the sea and years	4/19/2023	812	Grid Design and System Hardening	ALL
189	TURN	006	TURN_005	2	TURN_005_Q2	2.2 the response to question 1 is half PSAE has no such decision tree schematic, then please describe the process that PSAE uses to decide, for a given location, which militagion bethrique to use —i.e. undergrounding, covered conductor, remote grid installation, etc. – including without limitation the criteria that PSAE uses to select the mitigation bethrique for that location.	Not applicable. PG&E has a decision tree. Please see our response to TURN_005-Q001.	4/19/2023	8.1.2	Grid Design and System Hardening	ALL
190	TURN	005	TURN_005	3	TURN_005_Q3	3.B: choosing among alternative system hardening miligation techniques – i.e., undergrounding, covered conductor, remote grid installation, etc. – for a given location, please explain how PG&E takes into account the execution and sechedur sinks associated with undergrounding compared to other attenuives. PG&E discusses those risks in its 2023-2025 WMP at pages 344-348. They were also discussed in PG&E is Revised 2021 WMP (version dashed 3002)11 alpages 000-001 (Section 7.3.3.17.1, Subsection 3)(b)), where PG&E uses the terms execution risk* and "schedule risk."	During he field scoping process, the learn reviews all high-impact dependencies that could extend the execution. During review, we canulus alternative undergrounding routes to work such impacts, design decisions that could mitigate that risk, and the slope we can take to work with the applicable agencies to address potential scheduling and execution risk issues (e.g. permitting and und rights). Our current strategy is to plan for potential schedule and execution risks and work with agency partners to remove readstocks where countreed. If there is a loadion where undergrounding is infeasible that we cannot solve through redocation, or other mitigation measures, then other design alternatives (e.g., covered conductor) may be considered later in the design stage.	4/19/2023	8.1.2	Grid Design and System Hardening	ALL
191	TURN	005	TURN_005	4	TURN_005_Q4	A For the undergrounding work described in PCAE's 2023-2025 WMP, please describe PCAE's policy concerning undergrounding of service connections and the removal of poles on which service connections are attached. To the extent that this determination varies by project, please describe the criteria that PCAE uses to decide whether PCAE undergrounds service connections in a given location.	Out 1000 onle undergrounding program in 6 caused on undergrounding higher-voltage primary distribution powerfries in area of high fire fists. While there is a degree of risk anywhere there are empired overhead facilities, habitically, we have observed more associated with the currhead primary distribution powerfries. This is compared to lower foreign excellent values of the currhead primary distribution powerfries. This is compared to lower foreign excellent values foreign excellent primary distribution interestination lines. At this time, we are not undergrounding lower voltage secondary lines and service dops to address risk in most classes overhead lower voltage secondary lines adverted opposit transin overhead. These is exempted to excellent primary described to the control of the primary described to the control opposition and the control opposition and the control opposition of the control opposition oppo	4/19/2023	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.Eor 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 varies by project, please describe the criteria that PG&E uses to decide whether PG&E undergrounds secondary lines in a given location.	Please see response to TURN_005-Q004, which includes our policy as it relates to secondary distribution lines.	4/19/2023	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	For the distribution circuits on which TCASE given System Handwritin undergrounding its apposed to Tribuild indepreparating) as that term as used in PCASE's VMBF (see, e.g., Table FCASE's 1,2 or page 377) please provide PCASE. It seet estimate of the percentage of existing poles in the affected circuits (including poles supporting primary lines, secondary lines, and services) that the removed as result of the planned System Handwriting undergrounding misage in 2023-2025. Please explain how PCASE made this calculation and provide all ripoth and assumptions.	FOSE foces not currenly track the esisting potes that will be removed by undergrounded circuits. The analysis would require manual review with the inhibitation project level and would not recipie manual review with the inhibitation project level and would not remove the inhibitation of	4/19/2023	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	7. With respect to the values for 2023-2025 in the column for Estimated Dystem Mardering Undergrounding Miles in Table PQSEs. 8.1.2.2 on page 3df of PQSEs. 2023-2025 VMP. 8. For each year, ploase provide PQSEs is estimated for the vortead croalt miles that will be replaced and explain frow this estimate was determined. 1. Sit of the Signer provided in response to subpart "a", please provide an estimated breakdown of the overhead croal miles replaced by: primary time, secondary lines, and services.	a. Based on subject matter expertise and a sample of completed projects, the estimated overhead to undergrounding conversion talls 1.5 Time for duringsround line installated for every 1 mile of overhead primary line recovered. Our larget undergrounding miles for 2003-2008 is 2.100 miles. Using the estimated conversion rate, the overhead primary lines only. The conversion of the conversion rate, the overhead primary lines only. The information is not suitable for secondary and service lines. As described in TURNI_005-0004, at this time, we are not undergrounding lower voltage secondary lines or service dupp is address rate. It most cause overhead lower voltage secondary lines and service dips will retain overhead the conversion of the conve	4/19/2023	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 Butle County Rebuild Miles in Table PG&E-81.2 or page 347 of PG&E-2023-2025 WINP. 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. b For the figures provided in response to subpart "a", please provide an estimated breakdown of the overhead circuit miles replaced by primary limits, escondary lines, and services.	a. As described in our GRC1, the estimated overhead to undergrounding convention rate in the fulls. Rebuild area is 1.5 miles of underground the installed for every 1 mile of overhead primary line remove. The 1.57 factor was based on relocated Community Rebuild overhead miles (2022-2025) and local topography. Our current estimates for fullsc County undergrounding mileage for 2022-2026 is 175 miles. Using the estimated conversion rate, the overhead primary inities removed are projected to be 111 miles. Dr. The estimates provided in part a list for theirmy lines out; his information is not variable for secondary and	4/19/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
196	CalPA	Set WMP-16	CalPA_Set WMP-	6 1	CalPA_Set WMP-18_Q1	Regarding PG&E's SCADA Underground (UC) Switches: a) Please explain PG&E's operating procedure for operating a SCADA UG switch to energize and de-energize a b) Flease provide FG&E's written procedures or other documentation related to your response to part (a). d) Please explain in deal'FG&E's posting procedure, from start for insit, for the following operation: after operating a normally observe shall be switch in returned to its normally closed position during switching, disciplinating a normally open switch, the switch is returned to its normally open position during switching.	service line. The confidential allachments are being provided pursuant to the accompanying confidentially declaration. In For distribution operations operating procedures, SCADA LIG switch when the emergizing is an open comment in a For distribution operation generating procedures, SCADA LIG switch when the emergizing is an open comment in the service of the ser	4/21/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment

197	CuPA	Set WMP-16	CalPA_Set WMP-16	2 CaiPA_Set WMP-16_Q2	Regarding PCAE's Load Break Elbows: a) Please explain PCAE's questing procedure for operating a load break elbow in a vault to energize or de- energize a critor in certain signature. Control of the c	parallel can be made adjoining the 2 circuits at a different location (i.e. an UG SCADA switch) in order to loop switch with the load break elbows. Protection schemes for a parallel have ground and reclosing relays cut out, as well as any fuses in the path bypassed.	4/21/2023	8.12.10.3	Grid Design and System Hardening	Motor Switch Operator Switch Replacement
198	CaPA	Set WMP-16	CalPA_Set WMP-16	3 CaiPA_Set WMP-16_Q3	Regarding PCAE's Junction Boxes: a) Please explain in detail PCAE's operating procedure for operating a junction box in a vault to energize or desemplies a drout or circuit segment. PCAE's a drout or circuit segment. PCAE's representation in the detail PCAE's operating procedure, from east for finish, for the following operation: after diosing a circuit segment via junction box that is mormally in an open position, the circuit segment is returned to its normally one position during switching procedure, from start to finish, for the following operation: after its normally in a diosed position, the circuit segment is returned to its normally one position during switching.	The confidential attachments are being provided pursuant to the accompanying confidentially declaration. If or distribution preparation operating reconstructives are protestine effect and break elbows or dead break elbows. For Load break operations, see the responses to question 2 of this data request set. Dead Break elbows cannot be used to energia or can energiate cincil segments. Each break elbows are only to be operated or the properation of the properation of the properation of the control of the data request set. Dead Break elbows are of the properation of the data request set of the control of the data request set for a copy of these Procedures. Section 1. The control of the data request set for a copy of these Procedures. The control of the data request set for a copy of these Procedures. The control of the data request set for a copy of these Procedures. The control of the data request set for a copy of these Procedures.	4/21/2023	8.1.2.10	Grid Design and System Hardening	Other Grid Topology Improvements to Minimize Risk of Ignitions
199	СыРА	Set WMP-16	CalPA_Set WMP-16	4 CaiPA_Set WMP-16_Q4	Please explain PCAE's selection criteria for where to install the following equipment on underground circuits: a) SCADA US switches b) Junction boxes c) Load break elbows	a) SCAAA underground satisface are bytically only installed at matrice intersections. The 3-way SCADA worlds can have up to how good intermined the second of the second o	4/21/2023	8.12	Grid Design and System Hardening	Other Grid Topology Improvements to Minimize Risk of Ignitions
200	СыРА	Set WMP-16	CalPA_Set WMP-16	5 CaPA_SetWMP-16_Q5	Please explain PC&E's selection criteria for where to install the following equipment on underground circuits a) Pad-manufed transformers)) Subsurface transformers	a) POSET sate-dated is to install gase encursed transformers as underground of cultar where transformers are need. See residential coationers, we prefer to Install gased-mounted transformers in the steel franchise, essential, or residential coationers, we prefer to Install gased-mounted transformers in the steel franchise, essential, or regidential coationers, we prefer to Install gased-mounted transformers or the preference is to install guidential coationers come the coationer property for a single service. For or motive electrical coationers, we prefer to grant expression to the stallar or in the stallar guidential coationers or the stallar coationers are stallar guidential coationers. The stallar guidential coationers are not preferred include that a subsurtance transformer located in an exclusive where the paid includes that preferred includes that a subsurtance transformer located in an exclusive where the paid includes that preferred includes that the subsurtance transformer located in an exclusive where the paid includes that the preferred includes that the subsurtance transformer includes that the subsurtance transformer includes that the preferred includes that the subsurtance transformer. When one is needed, the preferred location for a subsurtance transformer (from most preferred to least preferred in it has determined in the subsurtance transformer.) When one is needed, the preferred location for a subsurtance transformer (from most preferred to least preferred in it has determined in the subsurtance transformer.) In a painted were between the cust and the sidewald. It is a planted area between the cust and the sidewald. It is a planted area between the cust and the sidewald. It is a planted area between the cust and the sidewald. It is a planted area between the cust and the sidewald. It is a planted area between the cust and the sidewald.	4/21/2023	8.122	Grid Design and System Hardening	Undergrounding of Elactric Lines and/or Equipment
201	CMPA	Set WMP-16	CalPA_Set WMP-16	6 CaIPA_SetWMP-16_Q6	For each of the undergrounding projects that PCAEE has planned for 2023, please answer the following questions on each project. 3) How many SCAPA under ground switches will be installed? 3) How many coverhead switches will be removed? 4) How many SCAPA white the switches of the switches will be removed? 5) How many SCAPA underground switches will be removed? 6) How many SCAPA underground switches will be installed as the points to adjacent circuits? 7) How many SCAPA underground switches will be installed? 8) How many south on under the smither switches will be installed? 1) How many pack to hose will be installed? 1) How many junction boxes will be installed? 1) How many junction the elbows will be installed? 1) How many junction the elbows will be installed? 1) How many junction the elbows will be installed? 1) How many junction the switches will be installed?	PCAE objects to this request as overbroad and unduly burdensome. We do not maintain the requested information in a manner that allows it to be aggregated without a manual review of each project's engineering and construction documentation. Manually collecting the data across hundreds of projects would require significant time and resources and the development of multiple processes to ensure data accuracy, if you would like to discuss this request further, please feel the lo reach off to us.	4/21/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment

		1	1			LPGAE opiecis to triis request as overproad and unquiv purpensime, we no not maintain the requestance resources on			I	
201	CaPA	Set WMP-16	CalFA_Set WMF-16	6 SUPP CaPA_Set WMP-16_Q6 SUPP	For each of the sudergrounding projects that PG&E has planned for 2023, please answer the following questions as all points of the project of	Indeed, contractions to the religional and control contractions of the contraction of the	5/2/2023	8.12.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
202	СаРА	Set WMP-16	CalPA_Set WMP-16	7 CalPA_Set WMP-16_Q7	For each of the undergrounding projects that PGEE has planned for 2004, please answer the following questions on each project. a) Now many SCADA underground switches will be installed in each circuit. b) Now many other and switches will be termoved? d) Now many Other switches a displayed circuits will be removed? d) Now many Det is exhibited to adjacent circuits will be removed? d) Now many Det is exhibited point of USB will exist when the project is compiled? f) Now many SCADA underground switches will be installed as its point to adjacent circuits? f) Now many SCADA underground switches will be installed or sectionalizing? f) How many SCADA underground switches will be installed for sectionalizing? f) How many scalar underground switches will be installed? f) How many scalar will be installed? f) How many scalar will be installed? f) How many scalar be been scalar for sectionalizing? f) How many scalar box been will be installed? f) How many scalar box been will be installed? f) How many scalar box will be installed? f) How many scalar will be scalared? f) How many scalar will be scalared? f) How many scalar will be installed?	PG&E objects to this request as overbroad and unduly burdensome. We do not maintain the requested information in a manner that allows it to be aggregated without a manual review of each project's engineering and construction collecting the data across hundreds of projects would require significant time and resources and the development of multiple processes to ensure data accuracy. If you would like to discuss this request further, please feel fixe to reach out to us.	4/21/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
203	CaFA	Sed WMP-16	CalPA_Set WMP-16	8 CaPA_Set WMP-16_Q8	8.1.2.3 - Distribution Pole Replacements and Reinforcements Page 352 of PC&Es v With States, "Pole replacement and reinforcement reduce outage likelihood which page 352 of PC&Es v With States, "Pole replacement and reinforcement reduce outage likelihood which and employee skilly obculate they improve the overall health of the distribution pole of the p	19, This strength, theorems, the minutes and maximum age or puter (in years) repeated in 2004, 2021, and 2022 are as follows: 2021 2021 2022 2022 2024 40 40 40 Median 45 45 Minimum 4 4 6 6 7 Maximum 9 5 9 POREs form of pole repair discussed in Section 8.1.2.3 of the WMIP is to reinforce the pole with a steel truss. As asult, the age of poles provided below is specific to poles reinforced. 2020 2022 2022 2022 2022 2022 2022 20	5/5/2023	8.12.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
204	СаРА	Set WMP-16	CalPA_Set WMP-16	9 CaPA_Set WMP-16_Q9	8.1.2.10 - Cher Grid Topology Improvements is Minimize Risk of tyristons 8.1.2.10.1 - Cher Grid Topology Improvements is Minimize Risk of tyristons 8.1.2.10.1 - Cher Grid Topology Improvements is Minimize Risk of tyristons 8.1.2.10.1 - Cher Grid Topology Improvements Improvements of the Improvement of Improvement of Improvements Improvement	a While EPSS has proven to be highly effective in lowering the incident energy during traditional faults and associated potential signitions, reliable detection, and de arregization of high impediance built conditions continues to be a gap that we are working to lobe. An april of EPSS, we despited an expansive use of to set, nor infectional while the provided of t	4/21/2023	8.12.10	Grid Design and System Hardening	Other Grid Topology Improvements to Minimize Risk of Ignitions
205	СаРА	Set WMP-16	CaiPA_Set WMP-16	10 CalPA_Set WMP-16_Q10	Please provide an Excel sheef listing each circuit (in its own row) that had circuit outsges that occurred from 2020 to 2020 in any HFTD sea. A circuit outsge is when the Substation circuit breaker trips and de-energizes the enter circuit due for staff. For each circuit with an outsge, the Excel sheet should list each Circuit Outsge as a row. a) D number of the circuit affected at information (in columns): b) The date of the outsge c) Cause of outsge. c) Cause of outsge. c) Cause of outsge. c) The date of the outsge outsges please state the specific type of failure (i.e.: OH transformer failure, overload, cross arms. US transformer failure, cable failure, splice failure etc.) 7) The datage and outsgress: Inspired an outsgress of the columns outsgress of the columns of	HT LUT A 2021 Introdign 2022. The funder globalining information in response to subsections is and in is based on the all See Column D. Is See Column D. Is See Column C. Is See Column F and Column G.	4/21/2023	QDR	N/A	N/A

208	СыРА	Set WMP-16	CalPA_Set WMP-1	3 11	CalPA_Set WMP-16_Q11	Regarding PGAETs Average Peak Load for U.S Prejects. For the purposes of this question, I star yorkton of a circuit was or will be undergrounded as part of an OH to U.S conversion project, the circuit should be included: a) Provide the average peak load to circuit ampacity in percent from 2011 to 2018 for the circuits with OH to U.S conversion completed in 2020. 1) Provide the average peak load to circuit ampacity in percent from 2018 to 2020 for the circuits with OH to U.S conversion completed in 2021. 2) Provide the average peak load to circuit ampacity in percent from 2020 to 2022 for the circuits with OH to U.S conversion completed in 2022. 3) Provide the average peak load to circuit ampacity in percent from 2020 to 2022 for the circuits that will be undergrounded in 2024. 4) Provide the average peak load to circuit ampacity in percent from 2020 to 2022 for the circuits that will be undergrounded in 2024. 5) Provide the average peak load to circuit ampacity in percent from 2020 to 2022 for the circuits that will be undergrounded in 2024. 6) Provide the average peak load to circuit ampacity in percent from 2020 to 2022 for all adjacent circuits to the circuits that have Pot 10 U.S convenient projects in 2023. 8) Provide the average peak load to circuit ampacity in percent from 2020 to 2022 for all adjacent circuits to the Circuits that have Pot 10 U.S convenient projects in 2024.	Please see "WMP-Discovery2023_DR, CalAdvocates, 016-0011Abit/01.xtsx" for the requested information. The attachment includes a separate worksheet for each subsection to this response and is labeled accordingly (a, b, c, etc.). But the crost included in this response for planned work (relevant to askections 4 - g) are based not be undergrounding endepths substitled in the 220-200 WMP lossed nor averloging as of Javany A20203) in response to subsections fand g, "adjacent circuit" is defined as a circuit that shares an open point. The adjacent circuits included in the response may also be a circuit included in the workplan if it is adjacent to another in the workplan.	4/26/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
207	MGRA	Data Request No. 2	MGRA_Data Reque	t 1	MGRA_Data Request No. 2_Q1	With regard to PGSE's response to CaIPA_Sel WMP-11_014: PGSE states that one of the significant changes to the grid required for REFPCL is 'The replacement of old, direct bury underground cable'. Please explain the incompatibility of 'old, direct bury underground cable' with REFCL.	During the demonstration project, we reviewed primary distribution explanest insulation ratings. During REFCL operation, line-to-operation and values processes by 1.7 strees, so the equipment must be able to withstand this increased values. A long run of add (1970) which was identified during the review. The cable was bested for concentral resistance and tan death. The cable less bested for concentral resistance and tan death. The cable less that the cable was bested for concentral resistance and tan death. The cable less stated that the cable was bested for concentral resistance and tan death. The cable was bested for concentral resistance and tan death. The cable was bested for concentral resistance and tan death and the cable of the	4/25/2023	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
208	MGRA	Data Request No. 2	MGRA_Data Reque	t 2	MGRA_Data Request No. 2_Q2	With regard to PGSE's response to CaPA_Set WMP-11_016. PGSE states that one of the significant changes to the gird required for REFC! in 'The replacement of old, direct bury underground cable': Doze PGSE have any recently undergrounded segments that are also 'direct bury?' If so would have be incompatible with REFCL?	Describing of underground cable, meaning jaying the cable directly in a diff trenth and not inside a conduit, is not a standard, approved elegip for our underground electric distribution system at this point in time. As such, no, servi- sor tenerally undergrounded any electric distribution segments via direct bury. The direct bury underground cable election is self-word for the incompatible with RECEQ, however, many feets bury underground cable installations are add and the cable insulation may not withstand the 1.7 times normal time-to-ground voltages required during REFCL operation.	4/25/2023	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
209	MGRA	Data Request No. 2	MGRA_Data Reque	t 3	MGRA_Data Request No. 2_Q3	With regard to PG&E response to CaPA_Set WMP-11_C14: PG&E states that one of the significant changes to the grid required for REFCL is The replacement ofts, direct bury inderground cable? Does PG&E's future undergrounding plans include "direct bury" and if so would that make these segments incompatible with REFCL?	No, PG&E's undergrounding plans include cable in conduit with standard voltage ratings exceeding REFCL operating voltage.	4/25/2023	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
210	MGRA	Data Request No. 2	MGRA_Data Reque No. 2	t 4	MGRA_Data Request No. 2_Q4	Please provide non-confidential versions of the following documents: WMP-Discovery2023_DR_OEIS_001- 0007Atch02CONF.pdf	Please see "WMP-Discovery2023_DR_OEIS_001-Q007Alch02_Redacted.pdf."	4/25/2023	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions	Detailed Model Documentation
211	MGRA	Data Request No. 2	MGRA_Data Reque No. 2	t 5	MGRA_Data Request No. 2_Q5	Please provide non-confidential versions of the following documents: WMP-Discovery2023_DR_OEIS_001- 0007Atch03CONF.pdf	Please see "WMP-Discovery2023_DR_OEIS_001-Q007Alch03_Redacted.pdf."	4/25/2023	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions	Detailed Model Documentation
212	MGRA	Data Request No. 2	MGRA_Data Reque No. 2	t 6	MGRA_Data Request No. 2_Q6	Please provide non-confidential versions of the following documents: WMP-Discovery2023_DR_OEIS_001- 0007Atch04CONF.pdf	Please see "WMP-Discovery2023_DR_OEIS_001-Q007Alch04_Redacted.pdf."	4/25/2023	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions	Detailed Model Documentation
213	MGRA	Data Request No. 2	MGRA_Data Reque No. 2	t 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 geospatial file with the location of 2022 outages on EPSS enabled circuits would require the disclosure of device location and therefore the geospatial representation of outage location that would be provided in this response to this data request involves the identification of Critical Energy infrastructure information (CEII), which we are required by law to maintain as confidential and cannot produce without the requesting party agreeing to protect the information through a non-disclosure agreement.	4/25/2023	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
214	MGRA	Data Request No. 2	MGRA_Data Reque	t 8	MGRA_Data Request No. 2_Q8	Please provide a GIS file of 2022 ignitions occurring on circuits where EPSS was enabled.	Please see "WMP-Discovery2023_DR_MGRA_002-Q008Atch01.kmz."	4/25/2023	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
215	OEIS	003	OES_003	1	OEIS_003_Q1	Regarding Activities that Exceed GO 166 On page 624, PGAE states it is currently working with internal and external stakeholders, including CalOES, to develop and implement activities that exceed compliance requirements in CPUC General Order (GO) 166, Standards for Operation, Reliability, and Salely During Energiencies and Dissalers. b. Explain how each listed activity exceeds GO 166.	United the emergency before a desciption of literal accordance in the best ways and the emergency before a desciption of literal accordance in the both well by gather process, and disseminate of 168 Standard 10. External and Convention Hardward accordance in the both well by gather process, and disseminate of 168 Standard 10. External and Convention Hardward accordance in the second convention of the second convention	4/26/2023	8.4.1.1	Emergency Preparedness	Objectives
216	OEIS	003	OEIS_003	2	OEIS_003_Q2	Regarding Emergency Preparedness Plans Beyond Stated Objectives On page 624, PG&E states that there are, "current plans for wildfire-related activities beyond the objectives in Table 6-34. and Table 6-34. List and describe the "plans beyond the objectives." b. Explain why plan beyond the objectives are not presented as objectives in WMP Table 8-33 and 6-34.	In the late below provides or current plans beyond the objectives in Table 8-33 and Table 8-34 of our WMP. - Objectercality (NetCo CP-090 complance), EMER-3102M - Disaster Rebuild, EMER-3019M - Indication Disease and Paradenic Response Annex, EMER-3103M - Emergency Communications, EMER-3007M - Indication Annex, EMER-3007M - Indication Annex, EMER-3007M - Indication Annex, EMER-3107M - Capitality, EMER-3007M - Camil Entry Annex, EMER-3007M - Osar, EMER-3008M - Violation Membrane, EM	4/26/2023	84.1.1	Emergency Preparedness	Objectives
217	OEIS	003	OEIS_003	3	OEIS_003_Q3	Regarding After Action Reports a. Provide After Action Reports (or similar post-event reports) for each wildfire-related emergency in 2021 and 2022. Despite PASE have internal After-Action Reports (or similar post event reports) for both actual and potential PASE events that offer from reports fired with the CPUC71 # or, provide these internal reports for events in 2021 and 2022.	The confidential attentiments are being provided parsuant to the accompanying creditentially declaration. As the interpret inhibit evaluate emergency as widefine events to without are Emergency posations Center was activated. Please reference "MMP Discovery2023 RD (DISS)003-00304/dolf/CONF pdf for the After Action Report for the willdire-related emergency that covered in 2021. Research in, the ECC was not activated for any "wildfire-related emergencies" in 2022. No Explanation of the Confidence of the Confid	4/26/2023	8.4	Emergency Preparedness	N/A

218	OEIS	003	OEIS_003	4	CES_003_04	Regarding Support for Medical Baseline Customers a. How does PG&E support Medical Baseline (MBL) customers during widdire emergencies?	PGAE evaluates the scope of the wildfire emergency and partners with Community Based Organizations (CBOs) to activate services based on the wildfire topinif and estimated customer impact. Two contact certies are extivated uning emergencies to provide 2AT emergency live agest service for customers to predict emergencies and obtain information on support resources. PGAE's partnership with 211 cornects customers identified as Access and Functional Need (Arthy, including Needers). Besseling (MRI), customers, with approximately 1,100 CBOs and exit states, customers desting on the services of the services	4/26/2023	8.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Energencies
219	OEIS	003	OEIS_003	5	OEIS_003_Q5	Regarding Emergency Operations Customer Surveys a. Provide an example of each customer survey sent in 2021 and 2022 regarding emergency operations and any reports analyzing Bose surveys' results.	Fleate see attachment "WIRD-Discovery/GIZ3 DR, CBIS GIS GIS GIS GIS CHORN any for the following survey questionnaires and securities summarise for survey regarding collectars effectiveness and general customer swareness of PSPS: 2021 [PSPS pre-securities of present present the present present present customer swareness of PSPS (PSPS present pre	4/26/2023	8.4.4	Emergency Preparedness	Public Emergency Communication Strategy
220	OEIS	003	OEIS_003	6	OEIS_003_08	Regarding PGSE's Areas of Concern a. Privide's a CBI layer of PGSE's Areas of Concern (ADC) with the foliosing attributes for each ADC polygon: I. Name of the ADC II. Number of the ADC III. Number of overhead coronal makes in the ADC that are in scope for Focused Tire Respections III. ADC in prior (PGSEA) III. ADC in prior (PGSEA) III. ADC in prior (PGSEA) III. ADC III. A	L. Ves, PGSE (Little the Second Polyons. I. Ves, PGSE (Little the Second Polyons) II. The development learn was expected to have strong local knowledge of regional tree mortality populations at a divisional level in October 2022. II. The development learn was expected to have strong local knowledge of regional tree mortality trends and utilize that knowledge to develop ACD explores.	4/28/2023	8.2	Vegetation Management and Inspections	N/A
221	CEIS	003	OEIS_003	7	CEIS_003_07	Regarding Focused Tree Inspections a. During the decision process to discontinue use of the Tree Assessment Tod (TAT) and adopt the ISA's Basic Tiree Risk Assessment Form (ISA form), oil PGEA consider incorporating dements from the ISA's form into the N. Is PGEA Consider (ISA's Pomina (ISA's Po	It is tree tall enough to strike the facilities? 1. Yes 2. No. STOP TAT. TAT NOT REQUIRED 3. No. tree already removed. ABATE is the tree methely blocked from falling towards facilities? Some trees are tall enough to strike, but cannot.	4/27/2023	8.2	Vegelation Management and Inspections	N/A
222	OEIS	003	OEIS_003	8	OEIS_003_Q8	Regarding Confidential Stakeholder Data Requests a. Provide PC&E's confidential responses and attachments to the following Data Requests: 1. WME-Discovery/2023. CaleActics. IOC-0001 1. WMS-Discovery/2023. CaleActics. IOC-0007 1. WMS-Discovery	The confidential material is being provided pursuant to the accompanying confidentiality declaration. The confidential material is being provided pursuant to the accompanying confidentiality declaration. I. WMP-Discovery2022 D.P.C. Galdwoodes 2002-0001 April CONF pdf II. WMP-Discovery2022 D.P.C. Galdwoodes 2002-0001 April CONF pdf II. WMP-Discovery2022 D.P.C. Galdwoodes 2002-0001 April CONF pdf II. WMP-Discovery2022 D.P.C. Galdwoodes 2006-0001 April CONF pdf III. WMP-Discovery2022 D.P.C. Galdwoodes 2006-0001 April	4/26/2023	7	Wildfre Miligation Strategy Development	N/A

						THE CONFIDENTIAL MATERIAL IS BEING PROVIDED PORSUANT TO THE ACCOMPANTING CONFIDENTIALITY DECLARATION.				
223	CEIS	003	OEIS_003	9 GES_003_00	Regarding PCAE's Asset Inspection Program a. Provide the inspection checklists used for both PCAES a pations and destated inspections. b. PCRES tables to inspections pectically in improve studies in this specific items, identify which items within the checklist this applies to, particularly if such differs from standard GO'85 inspections. c. On average, how many detailed inspections are compileded by inspectors per day?	Data/busion hapection Program a) Please sea facthment YMMD-Discovey/2023 DR, CBE 9.00-0000Ant11 size for the inspection checklist used by a) Please sea facthment YMMD-Discovey/2023 DR, CBE 9.00-0000Ant11 size for the inspection checklist used by b) Please sea column F of statchment YMMD-Discovey/2023 DR, CBE 9.003-0000Ant01 size for the literal period of the checklist literal that are related to widther risk. The checklist literal that are related to widther risk. The share been designated as "critical attributes." c) On variage, PGAE completes 25 to 30 structures per day, per inspector. d) a Please sea for the footing attributes for the checklist related to our Transmission hapection Program: 1. Transmission hapection form: YMMD-Discovey/2023 DR, CBE 9.003-000Ant02 size. d) Please sea for the footing attributes for the checklist related to our Transmission hapection Program: 1. Transmission hapection form: YMMD-Discovey/2023 DR, CBE 9.003-000Ant02 size. d) Please related to the control of the program of the checklist related to our Transmission hapection form: YMMD-Discovey/2023 DR, CBE 9.003-000Ant02 size. d) Please related to our Discover (Transmission Literal Size of Setting Phorally Codes Standards located on our Precision of the program of the checklist of the size of the checklist of the	4/26/2023	8.1.3	Asset Inspections	NIA
224	OEIS	003	OEIS_003	10 OEIS_003_Q10	Regarding PG&E's Asset Inventory a. Provide a list of all fields that PG&E's asset Inventory captures (i.e. equipment, equipment type, age, install das). 2. Provide a list of all pises of explorest captured within PG&E's asset inventory. C. Provide a percentage in which PG&E is missing data for each data field lated in part (a) within its asset inventory. d. Provide an estimated percentage for the amount of assets missing from PG&E's asset inventory.	System(c) of PCAEE 2022-2025 YMMP, PCAEE uses several asset invertibery distances. Companyine international System (CSI) in the primary system of record distances. Companyine international System (CSI) in the primary system of recording and admittance and the properties of the prop	5/10/2023	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
225	OEIS	003	OEIS_003	11 GEIS_603_Q11	Regarding PGAE's Response to P-WMP 2023-PGAE-002-007 a. PGAE states that a Critical Altribute is defined as "a condition that could lead to either an ignition point or w down situation that could result in a potential fire ignition." Provide all supporting documentation for procedure PGAE. The observation of the procedure of the procedure or one of the procedure or not each, PGAE man in the procedure of the procedure or not each, PGAE man in the procedure of the procedure or not each, PGAE man in the procedure of the procedure or not each, PGAE man in the procedure of the procedure or not each, PGAE man in the procedure of the procedure or not each, PGAE man in the procedure of the procedure or not each procedure or not each procedure or not	L. For distribution, a critical attribution is any question that identifies a condition that could lead to 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 stakeholders/DMEs for hased Strakey; sunders, and System inspections. The finalized list was routed through EDRS and was approved by leaders from Asset Strakey; sunders, and System inspections. The finalized list was routed through EDRS and was approved by leaders from Asset Strakey; sunders, support of the second of the se	4/26/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-21 Asset Inspections Quality Assurance and Quality Control ACI PG&E-22-06 Better Applications Specific Last-one Better Applications Caused Fires Caused Fires
226	OEIS	003	OEIS_003	12 OEIS_003_Q12	Regarding PG&E's Response to P-WMP_2023-PG&E-002-009 a. PG&E states that it is still performing targeted equipment repairs relating to EPSS. In this a program separa from that described within Section 1.7 of dis WMPF 5, porvised the bioloxing: Description and procedures in which PG&E uses to decide when and where it will perform EPSS-related largeted equipment repairs (EPSS-related equipment repairs (EPSS	safeduling to allow them to be scheduled on a priority basis compared to other work. Field Operations uses the priority rainfall origins scheduling to bell pin decision-making and subsequent recordon. PCRE is currently using the priority partial requires the control of the pin decision-making and subsequent excolor. PCRE is currently using the priority priority partial requires the priority priority priority priority priority. PCRE and priority prio	4/26/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-32 – Updates on EPSS Reliability Study
227	OEIS	003	OEIS_003	13 OEIS_003_Q13	Regarding PGAE's Response to P-WMP 2023-PGAE-002-008 a. Provide all Enhanced (grillion analysis (EM) reports completed for instances in which the qualifier was an Eproceed facility. Provide all Enhanced (grillion analysis (EM) reports completed for instances in which the qualifier was an EPSS protected facility.	The confidential attachments are being provided pursuant to the accompanying confidentiality declaration. In response to Decision of a Emergy Selecty's Second Data Request, subpart (n) CDSE provided a fist of ignitions that were enablated partial providential provi	4/26/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-48 Better Application of Specific Leason Learned from Utility- Caused Fires

228	OEIS	003	OEIS_003	14	OEI8_003_014	Regarding PC&E's Fault Ramer Replacements a. Provide the numbers of fault tamers pC&E' has replaced by year since 2020. b. Provide PC&E's targets for fault tamer replacements in 2023 are 2024, as applicable. c. Provide the number of fault tamer devices within Teles 1917D. d. Provide the number of fault barrer devices that provides 1917D. d. Provide the number of fault barrer devices identified as receding epiacement within PC&E's HFTD.	A. We interpret "regisaced" to mean a proactive changing of an in-service fault tamer fuse that had not failed or operated normally use to a fault. In ally 2011, in regorate to 2012 2002 causal evaluation of 4 apparent fault tamer fault fault tamer fault fau	4/26/2023	N/A	N/A	N/A
229	OEIS	003	OEIS_003	15	OEIS_003_Q15	Regarding PG&E's V4 of its Wildfer Distribution Risk Model (WDRM) a. What is PG&E's status for review and approval of V4? b. When does PG&E's intend to use V4 output to influence its undergrounding plan? Include discussion on details or low this image yaked PG&E's undergrounding plan. c. Provide a list of the differences and improvements being made to V4 in comparison to V3. d. V4 underground galvid-garvier senialist in V2 and V37 if so, provide a status update on the review, including supercised completion date for the related operat.		4/26/2023	Significant Updates to Risk Models (WDRM v4 & WTRM v2)	Risk Methodology and Assessment	Risk and Risk Component Identification
230	OEIS	003	OEIS_003	16	OEIS_003_Q16	Regarding PG&E's response to CEIS Data Request 2 Question 5 Attachment 1 a. How did PG&E determine a mitigation effectiveness of 11.8% for down conductor detection (DCD)? b. In Table 8-4, PG&E has included 2023, 2024 and 2025 targets for DCD. Additionally, in response to DCB ADDITIONAL STATE (ALL ADDITIONAL ADDITION	In The miligation effectiveness for down conductor detection was based on the incremental herefit to EPSS. The miligation effectiveness was determined by reviewing the gindinos that dourned during PSSS establement periods. Out of the 30 ignitions reviewed, 14 of them are high impedance faults. Of the 14 ignitions, we estimate that 25% can be prevented based on subject matter experient review. That review considered the fault characteristics relative to the prevented based on subject matter experient review. That review considered the fault characteristics relative to relative the prevented of t	4/26/2023	8.1.2.10	Grid Design and System Hardening	Downed Conductor Detection Devices
231	OEIS	003	OEIS_003	17	OEIS_003_Q17	Regarding undefined terms in 8.4.5 PGSE discusses "red tagged" customers, "impacted" communities, and "impacted" customers (including cities, counties, and thid governments) in Section 8.4.6; however, definitions of such terms are not provided. a. Provide a definition, as it pertains to both widtfer and PSPS events in the context of Section 8.4.6, and the criteria for three groups being identified as such for: 1. "Rest lagged" customers 2. "Impacted" communities	Red Tap, For natural diseases, including wildline, in which the Covernor or POTUS declares a State of Emergency, the orlical definition comes from 1.94.07.05 (fages 16) ¹ When diseased (s) has resident in the destruction of damage of a structure, such that stall tilly service is disrupted voluntarity or involuntarity due to safety concerns or inconstruction activities to address the damage from a prociations state of emergency or large constructions. I impacted Communities: this term was used as shorthand for all impacted columners and facilities. I mapacted Columners in a hypical widther enert POEE uses the free perimber maps suitable on National Inter-Agency Fire Center vestales and expand them by 2 miles each day. Any castioner statistics to a meter within the excellented perimber becomes an	4/26/2023	8.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Emergencies
232	СаРА	Set WMP-17	CalPA_Set WMF	17 1	CalPA_Set WMP-17_Q1	It "Impaction" customers Table 1 - Projects not pursued for Undergrounding in first 2100 miles Table 1 - Projects not pursued for Undergrounding in first 2100 miles PGAES VIDEN VID miles circuit protection nones (PCP2a) based on risk measured across 17 risk models to create a numbather risk across for each CPZ.4 in Table 1 above, select CPZe final PGSE has decided not to pursue Undergrounding in Inst first 2100 miles (UD projectals are compared by). - Caudidative risk across for the CPZ in WDRM VIS - Toal CPZ (PCE regist) in miles measured by projecting fire feature class in WDRM VIS to a UTM projection and - A calculated risk per mile! or "average risk" value derived from the two previous values - Whether the CPZ has experienced outleage due to PSPS or EPSS in the past three years - PGAES 2002 WMF or first risk or the calc CPZ (crossed referenced against Question 8 on - PGAES 2002 WMF or first risk or the calc CPZ (crossed referenced against Question 8 on - PGAES 2002 WMF or first risk risk per first PGAES (PGAES over provided outleas) - PGAES 2002 WMF or first risk risk per first PGAES (PGAES over provided outleas) - PGAES 2002 WMF or first risk risk per first PGAES (PGAES over provided outleas) - PGAES 2002 WMF or first risk risk per first PGAES (PGAES over provided outleas) - PGAES 2002 WMF or first risk risk per first PGAES (PGAES over provided outleas) - PGAES 2002 WMF or first risk risk per first PGAES (PGAES over provided outleas) - PGAES 2002 WMF or first risk risk per first PGAES 2002 WMF or	Impacted customer. The list of impacted customers and structures are networked daily, until the first is contained. CONFEDENTIAL — Provided Parsaust is Confidentially Declaration (VMD). CONFEDNTIAL — Provided Parsaust is Confidentially Declaration (VMD). WIMD-Discovery/2023, PC_CoMelvicates, 017, 02001 CVON Page 3 WIMD-Discovery/2023, PC_COMERVICATES, 017, 02001 CVON Page 4 WIMD-Discovery/2023, PC_COMERVICATES, 02001 CVON Page 4 WIMD-Discovery/2023, PC_COMERVICATES, 02001 CVON Page 4	4/28/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines andior Equipment – Death allon
233	СыРА	Set WMP-17	CalPA_Set WMF	17 2	CaIPA, Set WMP-17_02	In general, identify all the factors PGAE considers when deciding that a CPZ with a large average risk profile or large total risk in WDRM V3 should not be prioritized in PGAE's 2023 WMP project selection.	where the continues are considered in the continues of th	4/28/2023	8.122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution

						TERRITARI TERRITARI AND THE SECOND SE					
234	CuPA	Set WMP-17	CalPA_Set WMP-17	3	CaiPA_Set WMP-17_Q3	In Table 2 above, select CPZs half PG&E has decided by pursue Undergrounding in its first 2100 miles of UG projected are compared by: project and confidential response to Castellon 1 on "White Toble compared by Castellon 1 on "White Castellon 1 on "Whit	Scalars in recroes a site of the segment, with a relatively to will must be part of the control segments, within a relatively of will diliculty soor of (1.17) it is very cost efficient, especially when combined with other source-side and adjacent high-risk segments. This segment was combined it into an operationally effective bundle. Additionally, this circuit segment serves as a glarway to other segments planned for undergrounding in flux years running along the south-side of the primary customer pocket in Arnold such that undergrounding it early in the	4282023	8122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
235	CaPA	Set WMP-17	CalPA_Set WMP-17	4	CaPA_Set WMP-17_04	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.	We are selecting isotations in XSI2 and XSI2 shoed on the Wildfile Feasibility Effectiveness (WFE) simple, which between get WIPM An in kill this printing for project selection. An and of the WFE analysis, for operational efficiency, individual Circuit Prolection Zones (CPZs) were bundled together for project selection and design. Once bundled teglether for project selection and design. Once bundled teglether for project selection and design, concerning the combined with the project of the projec	4/28/2023	8.122	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 Handening 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: RFS In SES In SE	A PSS + Palic Safety Specials FORE PSS team members with extensive, local widther operations experience. Marky had a previous career with CAL FRE's or other fine apprecia- b. FSD + Field Scoping Deaktop Meeting, becepting the cooper potential undergrounding project sites held in office as opposed to in the Face Linguist Seathers Program. Frogram uses by PSEE to variable pytest economics of the Calculation of	4/26/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
237	TURN	006	TURN_006	2	TURN_006_Q2	Regarding the System Haddering Decision Tree provided as Attachment 3 to the response to TURN data request a read discussed in bits response. In the Park of the	a) No. The System Hardening Decision Tree was used to scope base system hardening projects in the workplan from 2022-2020 that were selected using the WDRM, version 2. Much of this work was initiated for scoping prior to the 10K UG program amonocoment in late 2021. This System Hardening Decision Tree is not and will not be used for newly scoped work. b) NIA	4/26/2023	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	Regarding the Undergrounding Desision Tree provided as Allachment 1 to the response to TURN data request 5- stand discussed in that response. a. Please provide a time range in morths for each of the "Key Phases" listed in the box in the lower left comer. b. Please explain POSEC defirms the word "finesable"; as on in the lact of the response (related to the possibility that undergrounding may ultimately be determined to be "infeasible"), and "unfeasible" as used in the Decision Tree.	a) Cross Segment Risk Reaking. The WDRM risk model is the first step in identifying the list of circuit segments where widdline risk in the highest. This dist supdated roughly on an annual basis. Circuit Selection Procese— The inputs to the feasibility score, burndling methodology following the previous year's sessors learned, and new inputs are developed in particle, but regire multiple reviewed fibe analysis and ultimate approval. This can take 23 months, but the first discussions often start before the risk model is faralized. Once the model is available, and burning any range modifications to inputs, can be 1.27 months following release of the new choice is available, and burning any range modifications to input, can be 1.27 months following release of the new advised being done in partials. The Coli Design inean can usually complete this step in about 1 month. Field Soppring— This is often the longest step due to the coordination of multiple groups, field checks, and finalization of documents and exclassions related to the details of the project large spooted. Typically, its step can take 2-3 months with high variation in that number for specific projects.	4/26/2023	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	Regarding the Fire Rebuild Decision Tree provided as Albachment 2 to the response to TURN data request 5-1 and discussed in that response. a. Please define the following acronyms used in the Decision Tree: PH, EASOP, OEC, DG, SG Dose PGSE intent to use the Decision Tree for future for evalual projects during the 2023-2025 period for bloom provided to the Company of the 2023-2025 period for the 2023-2023-2023-2023-2023-2023-2023-2023	a) PH – Pre-installed interconnection Hub. – In this context this refers to a tile-in point to facilitate generation connection to serve customers on a radially fed circuit with no available field-aide operational tile (MAY-back-Ker) – EXOPP – Exonomic Analysis Software Program – Program used by ProSE te evaluate project excorniors. A OEC – Program of the ProSE te evaluate project excorniors. A OEC – resources and response locally. OEC – Software Program of Commission of the Program of the Progr	4/26/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
240	TURN	006	TURN_006	5	TURN_006_Q5	Regarding the response to TURN data request 5-4, please explain the following terms used in the last paragraph of that response. a. Gary service. c. "Breaktway" connectors	In Cray Services – An older type of insulated service serial conductor that is more susceptible to water ingress and deterior pation. b) Tree connects – this location, a service or secondary wire that is Set of connected directly to tree instead of points of places, lower connectors – A connector splere, minimary used at the service pole, that designed to separate setely places, and the service pole, that designed to separate setely expended set of the service of the service pole, that designed to separate set of the service pole of the service of the se	4/26/2023	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_Q8	Regarding the response to TURN data request 5-6. a. Please explain what is meant by the word Topper in the phrase: "Determining the pides that will be topper." b. FOSE unable offer even a rough approximation of the percentage of existing potes in the affected distribution circuits – including potes supporting primary lines, secondary lines and service – that would be removed as a result of the planned undergrounding milleage in 2023-2025? Please provide such a rough approximation if possible.	a. When the primary conductor is removed and only communication wire remains, the top of the pole above the comms will be removed but of to lose early the healing of the pole necessary to support the remaining connections. b. No, POSE is not belief to offer a rough approximation that is resembled accurated for the remaining connections on the impacted distribution cricius that will be removed as part of the undergound plans from 202-2025. POSE contract provide this information because we have not completed the engineering design for each of the 2022-2025 count provide the information because we have not completed the engineering design for each of the 2022-2025 county provide the support on projects the following projects the contraction provided the projects and the 2022-2025 county of the contraction provided the projects and the contraction provided the projects are provided to the provided that will be removed, topped, or will in place as part of the contraction provided to the provided that the provided that the provided the provided that the provided that the provided the provided that the provided the provided that the provided that the provided the provided that t	4/26/2023	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	1. Regarding the 2023-2028 Undergrounding Workplan referenced on page 910 of the WMP (R1) and provided in Dool format in response to TURN Data Request 2-6. Data (Fig. 1) and Provided in Data (Fig. 1) and Provided Pr	The confidential attachment is being provided pursuant to a signed NDA with PC&E. The circuits listed in Table 1-2 are the same circuits listed in Table 1-4 where additional detail is provided. a. As described in ACI 22-3b, PC&E used the SWINSE and WFE to identify where we could most efficiently reduce necessary of the provided of the SWINSE and WFE to identify where we could most efficiently reduce interest or funding orders. b. We describe these measures in WIMP (RT) section is 1.22 (page 345). b. We describe these measures in WIMP (RT) section is 1.22 (page 345). c. Nees column AC but NF WFE 2004 c. Need to not provide a signalise SWINSE score because, as indicated on page 969 of the 2023-2025 WIMP, while in practice the standard cost per mile of undergrounding is expected to decline over time, we assumed it to be fixed at 1 for all circuits agenties to both the selection is only driven by fixed stability and risk. d. In the amount of time available but regions to both the selection is only driven by fixed stability and risk. d. The fixed to the MFF WFE 2005 c. The stability of the mile discover of the transpect, there are several reasons why the project mileage may c. Projects can include remote grid or hybrid atternatives. c. Protects can include remote grid or hybrid atternatives. c. Protects on the can ensued in a difference in resultant project mileage. c. Protects can include remote grid or hybrid atternatives. c. Protects can include the can result in a difference in resultant project mileage. c. Protects can include the may be private or customer canned. c. Protects can include the grid or shifted atternatives.	4/28/2023	8.122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
243	TURN	007	TURN_007	2	TURN_007_02	Regarding Table 7.2 in the WMAP. A TURN understands from Table 6-5 that the Overall Risk Score values in Table 7.2 are the sum of Total Ignition Risk Score and the Total PSP Risk Score. Please explain how these input values to the Overal Risk Score column were calculated. Please include in the explanation the relevant mathematical explacation (s). Is find explained in response to "a", please explain how the Overall Risk Score relates to the Wildright Risk Risk C. Please propriet. In the Excel Senta, at able that shows the information in 26 or 26 at IHFTD circuit segments. If PGSE has the same information for its self-dentified HFRA circuit segments, please include that information also, and indicate which circuit segments are HFRA.	a. The Overall Risk Score is calculated by the calibration of the Wildlife Risk and PSPS Risk score to the overall Risk Score in Calculated State (MAPS) with. This is shown in Section 7.2.2.2. Herepitze Risk Mode in the form of Mall's Risk Black Score (MAPS) with. This is shown in Section 7.2.2.2. Horself-Middlife Risk Score in Calculated Score (MAPS) with 1. This is shown in Section 7.2.2.2. Horself-Middlife Risk Risk Middlife Risk Risk Risk Score (MAPS) and the segment level was calculated to fellerated Risk should be for the source of the section of the section 1. This is shown in Section 1. The Score (MAPS) and the section 1. This is shown in Section 1. The Score is shown in Sc	4/26/2023	7.1.3	Wildfre Miligation Strategy Development	Risk-Informed Prioritization
244	TURN	007	TURN_007	3	TURN_007_Q3	Regarding the System Hardening Workplain provided as Attachment 1 to the response to TURN data request 2-2 (which in hum asked for a response provided to Call Advocates): a. The first lab in this Eacle workbook in named 5°9 Workplain, 2022-2009. Conf., which suggests that this a Ten first lab in this Local workbook in named 5°9 Workplain, 2022-2009. Conf., which suggests that this provide the main type object which the principle of the principl	The Concentrate advancement is revery accorately concentrated and an accordance of the Concentration of the Concen	4/277023	8.12.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
245	TURN	007	TURN_007	4	TURN_007_04	Regarding Attachment 2023-03-27 PGE_2023_WMP_R1_Section 6.4.2_Action 1, which is referenced on page 186, fb. 77 of the WMP_R1}: a. Please provide a version of this Excel workflook that includes the same information for all of PGEEs NFTD cross as general control assemblers, or a many of those agreements to which PGEES that such information covide that information is provided to the provided of th	a) Please see allachment WMM-Discovery2022_DR_TURN_007-0002Abc11.sbb. Two additional columns NO were added to the Tropfical. Table to be and the rows were extended to capture applicable cruzil segments. Please rode, the property of the tropfical transfer of the tropfical transfer of the tropfical transfer of the tropfical transfer of the transfer o	4/26/2023	642	Risk Methodology and Assessment	Top Risk-Contributing Circuits/Segments
246	CaPA	Set WMP-18	CalPA_Set WMP-18	1	CaIPA_Set WMP-18_Q1	PGSE states in response to Duestion 1(s) of Californicates-PGS_2023/MBF 15: Vegitation Management for Operational Mitigation (VMOM) will be primarily focused in HFTD and HFRA. There are instances where a circuit segment may cross in or out of HFTD-HFRA and YMOM would complete work on the whole circuit segment inclusing the areas codated HFTD-HFRA. Focused The Perspections are planned for HFTD areas in the plan developed for 2023. 3) is 1 cornect for interpret the statement above; to mean that Focused Tree hispections will take place only in HFTD areas and not in HFRA, please only in HFTD by Tree and the Perspection of the Perspection will take place only in HFTD areas and not in HFRA, please explain why. (3) WIII Focused Tree Inspections will take place only in HFTD areas and not in HFRA, please explain why. (3) WIII Focused Tree Inspections that place coding of the HFTD after the year 2023? (3) If yes, please state where (in addition to the HFTD) Focused Tree Inspections are likely to take place after the year 2023.	HFRA, and limited non-HFTD as robed in response a. Due to the GOSS compliance requirements for vegletation clearances and seasons are identifications in HFTD the Vegletation flantagement program does not devisite from polygons cuitable HFTD. 1. As a not been determined HFT silv tilb a applied cuitable HFTD and HFRA HT is in areas within ACC. 2. It has not been determined HFT silv tilb a applied cuitable HFTD and HFRA mainly due to localized been sometiment by county and some ACCs are detrified outside HFTD and HFRA mainly due to localized tee mostally or outsige the county of the county of the ACCs are obtained for all the ACCs are not all the silv and some account of the account of the silv and the ACCs are not all the silv and the ACCs are not the silv are subject to change after 2023.	4/27/2023	8.222.6	Vegetation Management and Inspections	Discontinued Programs
247	CalPA	Set WMP-18	CalPA_Set WMP-18	2	CalPA_Set WMP-18_Q2	PCSE states in response to Question 3 of CalAdvocates-PCE-2023WMP-15 that "PCSE intends to track these identified for work under VMOMI and FTI using the CherVM tout." Please provide the belowing regarding the CherVM tout. If the VMOMI is the provided that the CherVM tout. If the VMOMI is the control of the VMOMI is the VMOMI	If The purpose of the Che VM tool is to provide map-based work execution, nombrong, and validation through a single software policitum that incorporated W work management systems into one. With increased integration between our distribuses and data, additional vasibility of what work is being performed at what times could be achieved by the control of the provide provides and decisions. The control provides are decisions to accurate the provides and decisions and decisions and decisions are provided to the provides and decisions and decisions are provided to provide that provides are provided to a provide that performing be accusion to a work of the WI tool is governed by the same procedures affecting VMD birthistor Routine and Second Partic. The way One VM Entodings to support the second provides affecting VMD birthistor Routine and Second Partic. The way One VM Entodings to support the provides affecting VMD birthistor Routine and Second Partic. The way One VMD birthistory of the second Partic. The way One VMD birthistory of the second Partic. The way One VMD birthistory of the second provide beginning to second particle may be added to the second provide beginning the provide burst by the development of the Cherk'IM out out all support the development of the Cherk'IM out out all support the development of the Cherk'IM out and support the regularments. At this time Particle also began disting a project plan and documenting processes to support the development of the Cherk'IM out double the Cherk IM out the Technical project plan and documenting processes to support the development of the Cherk IM out double t	4/27/2023	82224	Vegetation Management and Inspections	Tree Removal Inventory

248	CalPA	Set WMP-18	CalPA_Set WMP-18	3 CalPA_Set WMP-18_Q3	PC&E states in its response to Question $S(a \hat{y})$ of CalAdvocates-PCE-2023WMP-15: "VM EPSS-enabled outage data was used to determine both a planned unit forecast and identify CP2s where EPSS VM Outages took place." Please explain what "planned unit receast refer to in the above instance."	Flanned unit forecast' refers to an estimate of the number of trees that may be worked under the program. The word forecast is used because the exact number of trees is unknown until inspection has occurred.	4/27/2023	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
249	СаРА	Set WMP-18	CalPA_Set WMP-18	4 CaPA_Set WMP-18_O4	PG&E statlers in its response to Question 7(a) of CalAdvicocates-PGE-2022NMEP-15 that his forecasted 5-year pace of work for its Tree Inventory Program "was provided for the first three years of the program with intent to ramp up annual pace. 5 years is a starting point to plan the pace of work completion however, the lessons learned will inform the completion thing;" (a) Pressue explain your reasonable gain pre-years as a "thing point"; (a) Pressue explain your reasonable gain pre-years as "thing point"; (b) Doss PG&E intend for the Tree Inventory Program to continue for more than nine years?	a) Nine years was selected as the starting point based on a realistically achievable average pace of approximately 33,000 rees removed per year (33,000 ree '207,000) with the pace and duration of the program to be re-evaluated as needed based on the leasons learned from the failtd years of the regionary. As of Juspit 22,2022, when the Tee Removal inventory (TRI) program was being formulated, twas estimated that approximately 350,000 trees would remain at the conclusion of the Erhanoch operation flavoragement (EVII). 8,000 of these trees listed for a work	4/27/2023	82224	Vegelation Management and Inspections	Tree Removal Inventory
250	СвРА	Set WMP-18	CalPA_Set WMP-18	5	In response to question 19(b)(iii) of CaliAdvocates-PGE-2023WIMP-15, PGSE states. The difference is projected vegetation management costs) of 124-861 (200 between 2003 and 2004 is due to the control of the control o	s-b) Vear Number of Undergrounding Milles to be Completed Milles Amount of Routine VM Cost Savings from Undergrounding Milles Savings from Undergrounding Milles	4/27/2023	8252	Vegelation Management and Inspections	Quality Control
250	СаРА	Set WMP-18	CalPA_Set WMP-18	S SUPP CuPA_Set WMP-18_QS SUPP	In response to question 19(b)(iii) of CalAdvocates-PCE-2023WMP-15, PC&E states. The difference (in projected vegetation management costly of \$24,881,000 between 2023 and 2024 is due to several factors. It is not PC&E will adver the its endiction (1) framelizing from EDAN to three new programs; (2) reducing the amount of Rustine VM work conducted early year commensurate with the amount of Rustine VM work conducted early year commensurate with the amount of Rustine VM responsible and programs and improve responsible of the Rustine VM	1. The 1 set purpose to security of the securi	4/28/2023	8252	Vegetation Management and Inspections	Quality Control
251	СыРА	Set WMP-18	CalPA_Set WMP-18	6 CalPA_Set WMP-16_O6	In response to question 16(s) (III) of Celebrocostes-PCE_2020/WIN 15, Po&E state. The difference (an important expealable management could) of 254,861,000 between 2003 and 2004 is due to several factors (3) reducing out costs through efficiencies over the rate case period through targeted programmatic adjustments that refine processes and improve resource efficiency as For which specific programs does PC&E anticipate reducing unit costs as mentioned in the quote above? 3) For which specific programs does PC&E anticipate reducing unit costs as mentioned in the public programs desirated in pour response to the previous part, prieses state the following: 1) For each infoldization program identifies in pour response to the previous part, prieses state the following: 1. What deficiencies does PC&E anticipate realizing? 1. What deficiencies does PC&E anticipate subleving in 2004 (on average for the year). 3. State the current unit costs and the applicable units. 3. State the unit costs that PC&E anticipates activities (in 2005 (on average for the year).	a) PC&E anticipates reducing costs on EVM Transitional, Roudine, Tree Mortality, and VC pole clearing programs b). I. The lines EVM transitional programs are Vegetation Management for Operational Mitigation (VMDM), Tree Removal II. The lines EVM transitional programs are Vegetation Management for Operational Mitigation (VMDM), Tree Removal II. To maintaine evidencia on Visition in the Committee of the Committe	4/27/2023	8252	Vegetation Management and Inspections	Quality Control
252	СаРА	Set WMP-18	CalPA_Set WMP-18	7 CaPA_Set WMP-18_Q7	Please provide the following Information repairding actual and projected costs for each YMMP initiative under Chapter 6.2 (Vegelation Marmer and Inspections). Each initiative should be a row in the table below. WMMP initiative Name 2022. 2022. 2023. 2023. 2023. 2023. 2023. 2024. 2024. 2025. 2025. 2026. 2026. 2027. 2026. 2027. 2028. 2028. 2029. 2029. 2029. 2029. 2029. 2029. 2029. 2029. 2029. 2029. 2029. 2029. 2029. 2029. 2029. 2029. 2029. 2020. 2029. 2029. 2029. 2029. 2020. 20	We report vegetation management financials pursuant to the OEIS Guidelines in Table 11 of the Quarterly Data Report. In the table below, we provide additional high-level information into the figures reported in Table 11 based on time. Please note that due to the ratture of vegetation management work the costs listed are all Operating Expenses and no capital Devolutions. Also note before includes updates and corrections, and will align with the Q1 ODR WMP update that PG&E will send on May 1,2023.	4/27/2023	8.2	Vegetation Management and Inspections	N/A

253	TURN	008	TURN_008	1	TURN_008_Q1	Please provide PGAE's most recent calculation of RSEs for Undergrounding, by year from 2023-2025, at the most granular level for which PGAE has computed frem. For this question, "Undergrounding" refers to all programs the underground distribution lines for widthe miligation purposes and/or fire rebuild purposes. Please provide the workpapers with the supporting inputs and calculations for these RSEs in Excel format.	Our most recent calculation of RSEs for Undergrounding is shared in our 2023 CRC Supplemental Fining from February 2022. The most gianular level at which we calculated RSEs is at the trache level. This is summarized in static-ment "WRP Discovery/2022 DR, TURN, 008-00014x00". The RSE results are summarized in the TSE Results that with RSE cares 2022-2023 down in resist hat 121-121-1211, Popular Exposure 2, 2-Program Cost 7, SET Free Program", 2002, 1002 – SME reput, and M002 – Effectiveness table. Specific to more grantial revel assessments at the circuit segment level, WRP guidelines require risk reduction not RSE based on 2023-2025 workplans. Those risk reduction values are provided in workpaper "2023-005".	4/27/2023	7.2	Wildfire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives
254	TURN	008	TURN_008	2	TURN_008_Q2	Preses provide PCAE's most recent calculation of RSEs for Covered Conductor, by year from 9000-2005, at the most generals level for which PCAE's has computed them. Please identify all activities the PCAE includes in the calculation of RSEs for Covered Conductor. Preses provide the workpapers with the supporting inputs and calculations for these RSEs in Excel format.	Far most reset calculation of TSCs for Covered Consolute is abused in as 200 CRC Supplemental filling in Cherhanys (2022. The most granular level is within the calculated Falses is a file branche one). This is summarized in statistiment "WWP Discovery/2022 DR, TURN (0.06-0.0014/bit)". The RSE results are summarized in statistiment "WWP Discovery/2022 DR, TURN (0.06-0.0014/bit)". The RSE results are summarized in the TSE Results tall with the SES cares (2022-0.005 down in cells +111-17. The supporting inputs are spanned across MOCI references in table 1-1-Program Exposure", 2-Program Cost, 3-Eff- Free supporting inputs are spanned across MOCI references in table 1-1-Program Exposure", 2-Program Cost, 3-Eff- Free fill provided by the Commission of the Commission of the Cost	4/27/2023	7.2.2	Wildfire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives
255	TURN	008	TURN_008	3	TURN_008_Q3	Regarding the Undergrounding Decision Tree provided in response to Data Request 5.1, Act 1, is there an error in the alternative responses to the question at the fair right." Will a route or project scope change militage impediments"? It appears that the "Yes" and "No" atternatives should be flipped, if there is an error, please provide a corrected Decision Tree.	The decision tree is correct as originally submitted.	4/27/2023	8.1.2	Grid Design and System Hardening	ALL
256	TURN	008	TURN_008	4	TURN_008_04	The first paragraph of the response to TURN data request 5-4 states that, historically, PG&E has observed more frequent gristions and larger widtless associated with the overhead primary distribution powerines, compared to as Please provides, in the Exploit Compared to the Paragraph of the Paragraph of the Compared to the Paragraph of the Compared to the Paragraph of the Paragr	In this statement was based on our CPUC reportable golforor in High First Press Districts (HPTD) across PGAE's service services in 1997-2002. See Worksheet and statement WHP Discovery/2002. DR, TURN, 008-0004601. The chested data by lygition can be found in sorbstance entitled Teach (PCUP HPTD 2015-2022."As shown in the table on Worksheet a. we observed 3.5 of 460 (-7%) equipment-related giptions in HPTDs associated with transmission powerfiers. 3.5 of 469 (-7%) equipment-related giptions in HPTDs associated with transmission powerfiers. 3.5 of 469 (-7%) equipment-related giptions in HPTDs associated with over vidage secondary distribution powerfiers. In contrast, for the same period, we observed over 60% of giptions in HPTDs in primary distribution powerfiers. In contrast, for the same period, we observed over 60% of giptions in HPTDs in primary distribution powerfiers. In contrast, for the same period, we observed over 60% of giptions in HPTDs in primary distribution powerfiers. In Powerfiers in the Contrast of the same period, we observed over 60% of giptions in HPTDs in primary distribution powerfiers. In contrast, for the same period, we observed over 60% of giptions in HPTDs in primary distribution powerfiers. In Powerfiers in HPTDs in Powerfiers in HPTDs in Powerfiers in HPTDs in Powerfiers. While Discover(2022) RR, TURN, COS-000000000000000000000000000000000000	4/27/2023	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and or Equipment – Distriction
257	TURN	008	TURN_008	5	TURN_008_05	In response to TURN DR 5-4, after stating that PO&E is not undergrounding service drops and is not undergrounding secondary lines in most cases, PO&E states in the last panagraph. 'We will overhead remaining secondary and service il mes by replacing open-wire secondary, gray services, and the econnects with the current secondary and service in the secondary and services. But the current secondary and service interest by the word "remaining" in this qualet. 5. Does this mean that, in a project PO&E describes as an undergrounding project, some of the "undergrounding" out, it typically consists of overhead netderleng of secondary and service interest "Please explain your arrange." As a service interest of secondary and service interest in the secondary and service interest in the secondary and service interest of secondary and service interest in the secondary and service interest of secondary and service interes	a) In some cases, when secondary or service wires are in-line with the primary being undergrounded. In tho will be undergrounded in the seam teneth; however, any secondary or service lines that are interest to the undergrounded primary will not be placed underground. Therefore, the term' remaining is meant to apply to those lateral secondary or service lines will be hardered being a service lines will be hardered lines will be under the service lines will be hardered lines will be under the service lines will be hardered lines will be under the service lines will be hardered lines or the service lines will be hardered lines or the service lines will be primary and the service lines will be primary and the service lines will be primary and the service lines will be under the service lines will be primary and the service lines will be serviced lines and the service lines will be primary and the service lines will be serviced lines and the service lines will be serviced as part of a relocation of the circuit are overhead hardered where undergrounding is deemed if the service lines will be relocated and other portions of the circuit are overhead hardered where undergrounding is decembered by a service lines where required because the our response to TURN DR 5-4, secondary and service assets that are not in adaptive the service lines in equilibrium and the service lines are not already in a significant will will be serviced in a primary and services assets that are not in adaptive that our design orqueitment. An other in our response to TURN DR 5-4, secondary and service assets have a record and the service of the services and the service in the service of the services and the service in the services and the services	4/27/2023	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
258	TURN	008	TURN_008	6	TURN_008_06	SCE's WMP (R0), p. 252, states that: "SCE has determined that lines with covered conductor have a 90% risk in PSPS activations. When a circuit (or fully isolatable circuit segment) is all covered conductor, the de-energization at Please provide any class, studies or reports in PSES advances. a. Please provide any class, studies or reports in PSES advances. b. Please provide any reports or studies in PSES advances. b. Please provide any reports or studies in PSES advances. c. Dies PSES and the changed for creation (or protors therefore) with covered conductors any de-energization thresholds should be changed for creation (protors therefore) with covered conductors? If so, describe what will be studied and the planned firming for the study or studies.	A. We have not preferenced statistics or have reports to support whether lines with covered conductors experienced a reduction in PSPS chardwares. b. We have not preferenced statistics or have resports to support whether any site desirguistation reheated should be charged for circuits or portions thereofly movemed conductor. We currently do not plan on adjusting thresholds for campel for circuits or portions have also covered conductor or any other programs the reduces the probability of catastrophic outcomes. Our Catastrophic Pice Pstrability model (discussed in Section 1); as nike the decides the probability of catastrophic outcomes. Our Catastrophic Pice Pstrability model (discussed in Section 1); as nike the probability of catastrophic outcomes. Our Catastrophic Pice Pstrability model (discussed in Section 1); as nike the probability of catastrophic outcomes. Our Catastrophic Pice Pstrability of Catastrophic Outcomes would reduce the probability of catastrophic outcomes. Our Catastrophic Pice Pstrability of Catastrophic Pstrability Catastro	4/27/2023	8.12.18.9	Grid Design and System Hardening & PSPS	Covered Conductor and PSPS
259	CaIPA	Set WMP-19	CalPA_Set WMP-	19 1	CalPA_Set WMP-19_Q1	Please list PG&E's expected average useful life for a given installation of the following technologies: a) DCD b) REFCL	 a) DCD technology is provisioned on protective relay equipment. Expected useful life based upon similar technology obsolescence, as well as asset health and lifecycle, is projected to be 20-30 years. b) REFCL expected useful life of the core components is estimated to be 30 years. 	4/28/2023	8.1	Grid Design, Operations, and Maintenance	Down Conductor Detection Devices Rapid Earth Fault Current Limiter
260	CaPA	Set WMP-19	CaiPA_Set WMP-	19 2	CalPA_Set WMP-19_Q2	a) in 2023, what is the average per-direat-mile cost that PG&E expects to incur for asset inspection and maintenance for a covered conductor distribution line installed in the HFTD? b) in 2023, what is the average per-direct in the cost that PG&E expects to incur for asset inspection and maintenance for an underground elaboration line installed in the HTTD? consideration of the HTTD in	is do inspected to grant to our Ostimer Outer (IOV) not remembly considering inflamed inspection. These is respection processes currently of an old differentials absence covered conduction and been consistent. The coil These inspection processes currently of an old differentials absence covered conduction and been consistent. The coil These inspections processes are consistent or the conduction of the con	4/28/2023	8.1.5	Asset Management and Inspection Enterprise System(s)	NJA

							a) in 2022, we spent \$241 million for asset inspections and maintenance on distribution overhead lines installed in the HFTDs. We do not differentiate costs between covered and bare conductor, so these costs are for all assets in the HFTDs. Further, we only included the maintenance osts associated with general overhead Electric Corrective (EC)				
261	CaPA	Set WMP-19	CalPA_Set WMP-19	3	CaIPA_Set WMP-19_Q3	a) State the total costs that PG&E incurred in 2022 for asset inspections and maintenance on covered conductor distribution lines installed in the HFTD. 5) State the total number of circula-millies of covered conductor distribution lines that PG&E had in the HFTD as of close the PG&E had in the HFTD as of close that PG&E incurred in 2022 for asset inspections and maintenance on underground distribution lines installed in the HFTD of the PGAE had in the HFTD as of close that PGAE incurred in 2022 for asset inspections and maintenance on bare overhead distribution lines installed in the HFTD as of January 1, 2022. 5) State the total number of circul-miles of bare overhead distribution lines maintenance on bare overhead distribution lines installed in the HFTD as of January 1, 2022.	Notifications. These cods are tracked at the Maintenance Activity Type (MAT) level, not debited by seast type, to would not extract the cools associated with Conduction of the Charledians in addition, the code for our procedure asset replacement program were not included. and replacement program were not included. All conductions are considered to the conduction of the Charledians and the conduction of	4/26/2023	8.1.2	Grid Design, Operations, and Maintenance	Grid Design and System Hardening
261	CMPA	Set WMP-19	CalPA_Set WMP-19	3SUPP	CaIPA_Set WMP-19_Q3SUPP	a) State the total costs that PG&E incurred in 2022 for asset inspections and maintenance on covered conductor distribution lines installed in the HFTD. 5) State the total number of circula-miles of covered conductor distribution lines that PG&E had in the HFTD as of January 1, 2022. 5) State the total number of circula-miles of covered conductors and maintenance on underground calcibution lines installed in the HFTD of the statishing of the total number of circula-miles of underground distribution lines that PG&E had in the HFTD as of January 1, 2022. 6) State the total contained in the HFTD of the total contained in the HFTD of the total contained in the HFTD. 7) State the total number of circula-miles of bare overhead distribution lines that PG&E had in the HFTD as of January 1, 2022.	FIGAE is amending subparts b. J. and of of our original response. Although there is not a specific satisfule in GIS to distinguish covered and base conductors, we were able to utilize the conductor type codes to differentiable between covered and base conductors. a) a 1022, we specifically of the military for an impedition and material control of the conductor	5/10/2023	8.1.2	Grid Design, Operations, and Mainfenance	Grid Design and System Hardening
262	CalPA	Set WMP-19	CalPA_Set WMP-19	4	CalPA_Set WMP-19_Q4	 a) In 2023, what is the average per-circuit-mile cost that PG&E expects to incur for vegetation management for an overhead distribution line installed in the HFTD? 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 HFTD? 		4/28/2023	8.2	Vegetation Management and Inspections	N/A
263	CalPA	Set WMP-19	CalPA_Set WMP-19	5	CalPA_Set WMP-19_Q5	the HETD	 a) We do not separately track costs incurred in HFTD vs. Non-HFTD for vegetation management on overhead distribution line. b) We do not separately track costs incurred in HFTD vs. Non-HFTD for vegetation management on underground distribution line. 	4/28/2023	8.2	Vegetation Management and Inspections	N/A
264	CalPA	Set WMP-19	CalPA_Set WMP-19	6	CalPA_Set WMP-19_Q6	s). Desser describe the regestrion management activities that PG&E currently undertakes on rights-of-way with by PG&E currently undertakes on rights-of-way with by PG&E currently undertakes on rights-of-way with the properties and properties and properties and properties of propert	Where there are no overhead electric facilities, we do not conduct routine vegetation management activities. As part of CO 155, the PGAE System trapection program can identify vegetation work as part of clearing and maintenance for padamount transformers and other typical undergrounding equipment.	4/28/2023	8.2	Vegetation Management and Inspections	N/A
265	CalPA	Set WMP-19	CalPA_Set WMP-19	7	CaIPA_Set WMP-19_07	Pages 45-455 of PGAE's WINP describe PGAE's plan to reduce its backgo of open distribution work orders. As and of this plan PGAE's takes that I plan to leminate he is ignition-risk backgo by the end of 2029, and the non- ignition risk backgo by the end of 2020. a) Does the plan described above apply to PGAE's entire service territory, or only those tags in the HTTDHFRAY b) When does PGAE' expect to eliminate its backgo of ignition-risk distribution work orders that exist outside the HTTDHFRAY c) When does PGAE's expect to eliminate its backgo of non-ignition-risk distribution work orders that exist outside the HTTDHFRAY.	a) This plan only applies to lags in HFRAHFTD areas because these areas constitute 99% of the wildline risk in our service service; b) We are still not the process of creatings a plant/limetine for eliminating our backtog of lags outside of our HFRAHFTD areas. Given that the HFRAHFTD areas comprise 99% of the wildline risk in our territory, we are prioritizing this work in order for reduce or wildline risks a quickly are difficiently as possible. c) Please see the response to subpart (b) above.	4/28/2023	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
286	CaPA	Set WMP-19	CalPA_Set WMP-19	8	CaPA_Set WMP-19_08	Page 454 of PCAE's WMP states, "We divide remaining notifications into two groups: (1) ignition risk notifications are the page of the pag	a) "bytion trial" notifications are maintenance laugh that have been determined to have some four of cytion risk as a resix of the non-conformance identified on the lag (e.g., conductor or enfourchal support dedirectory). We used a combination of widther insix hore desired in the conformation of PDAs and buckled them into the following categories: 1. Non- Not pripries facility and such parts of probability of gription. 1. Non- Not pripries facility in the probability of gription. 1. Non- Not pripries facility in the probability of gription. 1. Non- Not pripries facility in the probability of gription. 1. Non- Not pripries facility in the probability of gription. 1. Non- Not pripries have been done in the significant or propries model, in the description of the probability of gription. 1. Non- Not pripries have been done in the significant or propries in the significant of the probability of gription. 1. Non- Notification with a greater than zero veilither risk score is considered an in prifries risk score in the conformation of the probability of gription. 1. Non- Notification with a greater than zero veilither risk score is considered an in prifries risk score in the conformation of the principle of the	4/28/2023	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
267	CaiPA	Set WMP-19	CalPA_Set WMP-19	9	CalPA_Set WMP-19_Q9	Page 850 of PGAEs WMP references an external study that stated, "To fire weather purposes, it may be necessary to position additional weather additional weather additional weather stations in carryans and other regions where short-term winds can rapidly spread widelfeet. By the property of the proper	a) We assess the need to position weather stations in campons, but not specifically in response to this report. The internal report of the provide specific guidance or campons and her localized locations. Therefore, we continually evaluate the need for additional weather stations during each year of the program and initial weather stations where appropriate. But the proper should be a provided or the weather station locations is a routine part of the program and not a unique assessment that can be provided. Cys. Rei his part of our routine program.	4/28/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-10 – Justification of Weather Station Network Density
268	CalPA	Set WMP-19	CalPA_Set WMP-19	10	CalPA_Set WMP-19_Q10	weather stations in canons and other rections where short-kem winds can repolly scread wildfilms? Table PGAE: 251-15 on page 650 of PGES WIPP lists the component costs of convened consider institution. Below the table, PGAE staties, "The costs in Table PGAE-221-13 include the components for CC that are comparable with two one PUUs as part of the Just ID wild PGM. They do not include all cost components that make up our comprehensive Overhead System strateging Program. 3) Please and prove to Table PGAE-221-13 with the comproments that are part of PGAE's comprehensive overhead by Please and prove to Table PGAE-221-13. Including the elements rotled in part (a), please provide a brief description of the work and materials that we included in each component.	a) The statement referenced was to simply point out that the System Hardening Program is made up of a suite of miligation roglinos including Covered Contactor, Remote Grid, Removal, and Undergrand. The costs associated with the overhead hardening projects recorded were banded this similar captigation for only the overhead hardening portion of our System Hardening program. There are no additional costs associated with overhead hardening that were excluded from Table 22-11-3.	4/28/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-11 – Covered Conductor Effectiveness Lessons Learned
289	CaPA	Set WMP-19	CalPA_Set WMP-19	11	CalPA_Set WMP-19_Q11	Pages 969-969 of PG&E's WM/P describe PG&E's simplified wildfire risk spend efficiency (SWRSE), used to prioritize its undergrounding program, we selected the roughly 8,000 CH miles with the highest page 100b states. For the Undergrounding Program, we selected the roughly 8,000 CH miles with the highest page 100b states. For the Undergrounding Program of the PGE 100b states a threshold SWRSE value at which PG&E determines that covered conductor is a more suitable miligation than undergrounding? Please explain your arreset. b) is there a threshold SWRSE value at which PG&E determines that undergrounding is not a suitable miligation. The program of the program of the program of the program of the public state of the public states. The program of the public states of the public states of the public states. The program of the public shows? Please explain your answer.	a) No. There is no threshold in SWTSSE that we use to determine that covered conductor is a more suitable miligation with an undergrounding SWTSE their potential realized in the suitable miligation will be such as compared to other locations and is used to select milities for undergrounding. Requiring the decision between covered conductor and undergrounding, the overest consideration of the amount of risk reduction the decision between covered conductor of the second conductor of the second realized realized in the suitable realized conductor does not stay militage has the risk. 10) No, there is not carrierly althreshold of SWTSE that we use to determine that undergrounding is not a suitable militagetion. In these early stages of our permanent system realized militagetion. In these early stages of our permanent system realized militagetion. In these early stages of our permanent system realized militagetion, in these carry's attention of the stage of the second realized of the SWTSE stage was expected in Section 12.2 of the SWTSE SWTSE stage is considered in Section 12.2 of the SWTSE SWTSE stage is considered in Section 12.2 of the SWTSE SWTSE SWTSE stage is considered in Section 12.2 of the SWTSE SWTSE SWTSE stage is considered in Section 12.2 of the SWTSE SWTSE SWTSE stage is considered in Section 12.2 of the SWTSE SWTSE SWTSE stage is considered in Section 12.2 of the SWTSE SWTSE SWTSE stage is considered by Public Safety Specialists. We are exploring the potential use of a threshold based on the cost benefit of the investment and not his copy or any swtse stage is considered by the SWTSE stage is the SWTSE stage is staged to the stage is considered by the SWTSE stage is t	4/28/2023	Appendix D	Areas for Continued Improvement	ACI PG&E: 22:34 - Revise Process of Prioritizing Wildfire Miligations

Part													
Part	270	СвРА	Set WMP-19	CalPA_Set	: WMP-19	12	CalPA_Set WMP-19_Q12	2019, an instudie inspection indicated that a pole had 16% remaining strength. On January 14, 2020, the inspection issued apririty's Equit prolepties the pole by January 13, 2021. a) Why was the tag for the above pice created store by the processing that in the installal finding? b) Decarbos say polation that PGEL to bot between November 19, 2019 and January 14, 2020 to address the safety of the property of t	release inspection records will the inspection project was closed, enabling the downstream corrective action molifications to be created. The legacy inspection system, inspection projects was record with a finite volume of poles (generally between 200 and 400 poles) and the project was not closed until the entire pole population was unspected. Due to access issues and other constraints, it was not humanal for projects in termin open for multiple We acknowledged this gap and, in March of 2002, we relied this legacy inspection system. We migrated initiative inspections onto the public dispection, which releases impection records and state of the project corrective action indications on the same day as the inspection. 10 We did not also are jumenicative action on this public belows to record the project of the proje	4/28/2023	81323	Asset Inspections	intrusive Pole Inspections
Part	271	CalPA	Set WMP-19	CalPA_Set	: WMP-19	13	CaliPA_Set WMP-19_Q13	page 5 states: During the period, the SM reviewed data provided by PG&E related to PG&E's Underground Transmission asset ages and the average age of certain PG&E Underground Transmission assets. For example, 60% of one type of underground Transmission cable is byten for such large 10%. Footnote 15 states, "hiereral PG&E Report 15 footnote 15 states," hiereral PG&E Report 15 footnote 15 states, "hiereral PG&E Report 15 states, "hiereral PG&E Report 15 footnote 15 states in hiereral report published in May 2022 that underground Transmission provides a footnote state." a) Please provide a copy of the internal PG&E report published in May 2022, referenced above.	a) Please reference "WHP-Discovery/2023 DR, CaluRhorcattle, 019-Q013abtr01COMF pdf for our internal PGSE presentation from May 2022. Specificatly, the references are found on Silder number 16. We clarify bith "teyon fits useful life "refers to expected succept lesses of unitably terniformativing information. Actual condition of the assets such as their physical states on the proceed to the process of the pro	4/28/2023	8.1.2.5	Grid Design and System Hardening	-Transmission Conductor and
Section Sect	272	CaIPA	Set WMP-19	CalPA_Set	: WMP-19	14	CalPA_Set WMP-19_Q14	On April 13, 2023, Call Advocates met with a Senior Director of Grid Research Innovation and Development at PGSE. During this meeting, PGSE stated that REFCL is not a scalable product. a) Does the above statement accurately reflect PGSE's current assessment of REFCL? Please explain your answer.	operational experience. We expect to have final results by the end of 2023. Decisions about further deployment of REFCL will be made after completion of the demonstration project with consideration for all wildfire risk mitigations available.	4/28/2023	8.1.8.1.3.1	Grid Design, Operations, and Maintenance	
Part Cup	273	СвРА	Set WMP-19	CalPA_Set	! WMP-19	15	CalPA_Set WMP-19_Q15	conductr, EPSS, DCD, P/IO, and REFCL in miligating wildlines, when installed on distribution circuits in the HFTD? b) If the answer to part (a) is no, please explain why not. c) If the answer to part (a) is no, dees PG&E plan to perform such a study? If so, provide the timeline for initiating and completing it. if the answer to part (a) is yee, please provide the results of any such study, including any reports, workpapers,	In addition, we are actively analyzing the effectiveness of lare Conductor (EC), in combination with EPSS and DVDPP. PGSE is in the initial phase of these lave studies and intends to use the results to compare the effectiveness of CG and EC. PGSE is in the initial phase of these lave studies and intends to use the results to compare the effectiveness of CG and EC. In a studies of the response to subpart at, we have not done his studying previously, but it is undersup. One reason that this analyzin has not been considered to date in the evolution of our combined militigations. 2022 was the first year of troad-scales application of EPSS, while OCD and PV were in development and reference phases in 2022, but that we were still developing the inconsideration of EPSS, while OCD and PV were in development and reference phases in 2022, but that we were still developing the inconsideration of EPSS while OCD and PV were in development and reference phases in 2022 and the state of the intended of the experiment o	4/28/2023	8.1.2	Grid Design and System Hardening	Various
Set WAP-20 CaPA, Set WA	274	CuPA	Set WMP-19	CalPA_Set	! WMP-19	16	CalPA_Set WMP-19_Q18	combined effectiveness of its covered conductor program, asset inspections, and several vegetation management programs. a) has PGAE performed a similar estimate of the combined effectiveness of covered conductor, asset inspections, and vegetation management? b) if the answer to part (a) is yee, please explain the results of PGAE's estimate.	b) Not applicable. (a) We did not consent demander the combined effectivenes of covered conductors seed representations. We did not consent of presentations are representations and the conductor the conductor (where the presentation of the conductor) where the presentation of the conductor (where the presentation of the conductor) where the presentation of the conductor (where the presentation of the conductor) where the presentation of the conductor (where the presentation of the conductor) where the temperature of the presentation of the conductor (where the conductor) where the temperature of the presentation of the conductor (where the temperature of the presentation of the conductor) where the temperature of the conductor (where the temperature of the presentation of the conductor) are the temperature of the conductor (where the temperature of the temperature of the conductor) are the temperature of the temperature	4/28/2023	Appendix D	Areas for Continued Improvement	ACI PG8E-23-11 - Covered Conductor Effectiveness Lessons Leatned
3 Not applicable. The assets replaced as part of file WMP-yolder hardering activities (electric distillation on-wheth assets) [solid programs of preferenced (electric distillations) (electric	275	CuP/A	Set WMP-20	CalPA_Set	t WMP-20	1	CalPA_Set WMP-20_Q1	a) Describe PGSE's standard process for retiring an asset from service. b) Describe how PGSE records the retirement of an asset from service.	La Decidence in seads and "factor" if from service are driven by version factors such as service incorrection, design useful sead and decidence and and d	5/3/2023	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
3 CaPA_Set WMP-20 CaPA_Set WMP-20_G3 CalPA_Set WMP-20_Q3 a part of its WMP system hardening activities, does PG&E intend to retire from service (i.e., replace, remove, destroy, or decominismoj any sasets that are not fully depreciated at the time of retirement? 278 CaPA Set WMP-20 CaPA_Set WMP-20 CaPA_Set WMP-20 CaPA_Set WMP-20 A CaP	276	CaIPA	Set WMP-20	CalPA_Set	WMP-20	2	CalPA_Set WMP-20_Q2	destroy, or decommission) any assets that had not been fully depreciated at the time of retirement?	a) Not applicable. The assets replaced as part of WIMP system hardening activities (electric distribution) overhead assets) blood group depressable and referement electric distribution overhead assets) blood group depressable and referement electric from the properties of the system of the state of the system of the sys	5/3/2023	8.1.2	Grid Design and System Hardening	All
278 CaPA Set WMP-20 CaPA_Set WMP-20 4 CaPA_Set WMP-20_Q4 What is PG&E's standard practice for tracking assets that are retired from service before they are fully intronation on going depreciation of Regulatory URINO Commissioners What is PG&E's standard practice for tracking assets that are retired from service before they are fully intronation on going depreciation of Regulatory URINO Commissioners Asset Management and inspection Enterprise System(s) N/A CPPA_Set WMP-20_Q4 What is PG&E's standard practice for tracking assets that are retired from service before they are fully intronation on going depreciation of Regulatory URINO Commissioners Asset Management and inspection Enterprise System(s)	277	CaIPA	Set WMP-20	CalPA_Set	t WMP-20	3	CalPA_Set WMP-20_Q3	remove, destroy, or decommission) any assets that are not fully depreciated at the time of retirement?	a) Not applicable. The assets to be replaced as part of VMIP system hardering activities in 2023 flow group depreciation and referement accurating. As such, there is no undepreciated value of the assets that will be retired. Priese refer to our response to Ducation OS, Subpart (a) or additional information. b) See response to Ducation OS, Subparts (a) - (b) of this Data Request Set. The retirement of assets durin 2023 swellers hardering activities (silon PGAETs.)	5/3/2023	8.1.2	Grid Design and System Hardening	All
	278	CaIPA	Set WMP-20	CalPA_Set	t WMP-20	4	CalPA_Set WMP-20_Q4	What is PG&E's standard practice for tracking assets that are retired from service before they are fully depreciated?	tracking of PG&E's retired assets. Please also see Question 005, Subpart (a) for information on group depreciation and retirement accounting, as established by the CPUC, FERC, and the National Association of Regulatory Utility Commissioners	5/3/2023	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A

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279	CaPA	Set WMP-20	CaiPA, Set WMP-2	5	CalPA_Set WMP-28_Q5	a) # Fro.45 retires from service an asset that has not been fully depreciated, does it remove the remaining and experienced value of this wasted from the rate base? 3) Now does PCAE determine the remaining undepreciated value of an asset at the time the asset is retired from service? c) Pease describe any scenario in which PCAEC would retire from service an asset that has not been fully depreciated, but would keep the remaining undepreciated value of the asset in its rate base.	In the premise or are speament in incorrect. Proces convery group expensions and inferencent accounting, as established by the National inferencent accounting, as established by the National Conference of the N	5/3/2023	8.15	Asset Management and Inspection Enterprise System(s)	NIA
280	CalPA	Set WMP-20	CalPA_Set WMP-2t	6	CalPA_Set WMP-20_Q6	a) As of the date of this data request, does PG&E's rate base currently include any portion of the value of any assess that are no longer in service? 1) If the arrows the part (a) is yes, Diesse explain why. 1) If the arrows the part (a) is yes, Diesse explain why. 1) If the arrows the bar (a) is in o, let the controls a pile of the resure PG&E's rate base does not currently include any portion of the whole of dates this that on longer in sink/ice.	a) No. Piesse see the response to Question 005, Subport (a) for a detailed organization. An explanation. Of the response of the piesses of	5/3/2023	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
281	CaPA	Set WMP-20	CalPA_Set WMP-2I	7	CaPA_Set WMP-20_Q7	in its response to data request Californicates-PCE-2020/MMP-14, questions 20-22, PCAE stated. "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." 3) Please explain what is resent by destament. "Our asset registry and work execution systems are not set up by Please explain what is remark by the statement," and not track the volume of assets replaced that have not been fully recovered." 3) Please explain what is meant by the statement, "we do not track the volume of assets replaced that have not been fully recovered." 3) PCRSE about obserming the number of assets that have not been fully depreciated that it retired from service as part of its 2002-2022 "WMP activities".	On screening descriptions of the control of the con	5/3/2023	8.1	Grid Design, Operations, and Maintenance	Distribution Pole and Replacements Traditional Overhead Hardening Transformers
282	TURN	009	TURN_009	1	TURN_009_Q1	Regarding the 2023-2028 Undergrounding Workplain referenced on page 910 of the WMP (R1) and provided in Exel formal in response to TURN Data Request 2.4. For each undergrounding project listed in this document, please provide the RSE calculated in accordance with a Fore each undergrounding project in the WSE (MSE) (INS SMEET CONTROLLED AND TO A	a) As explained on page 980 of the 2022-2025 WMP. PoCES developed a measurement described in the 2022 Revised WMP as the Strailled Wildliffe Step Sept Efficiency (VWFS) to Wildliffe Pessible) Efficiency (VWFS) to identify where PCAE could most efficiently reduce risk given the terrain featibility at a particular location due to the presence of hart for Lings water consisting, and/or gradient. PCAE excludes the SWFSE is blows: Cost Standard Cost 1 Featibility Storie White in practice the standard cost per mile of undergrounding is expected to decline over time, PCAE assumed it to be food at 1 for all circuit segments so that the selection is ority driven by featibility and risk. This defines the WFE Score. If PCAE I WFE scores incorporate the elements of RSE calculations with the featibility of the PCAE assumed it to be food at 1 for all circuit segments so that the selection is ority driven by featibility and risk. This defines the WFE Score. If PCAE I WFE scores incorporate the elements of RSE calculations with the featibility of the PCAE is assumed it to be a selected to the position of the PCAE is assumed in the position of the PCAE is assumed it to be a selected to the PCAE is assumed in the position of the PCAE is assumed it to be a selected to the PCAE is assumed it to be a selected to the PCAE is assumed it in the position of the PCAE is assumed in the position of the PCAE is assumed in the pcae is a selected to the PCAE is assumed in the pcae is a selected to the PCAE is assumed in the added to the pcae is a pcae is a selected in the added in PCAE is undergrounding verticals on 4.2" which was provided in response to TURN Data Request 8, Question 1 as PCAE is undergrounding verticals. The scores in control process of the added in the added in PCAE is undergrounding verticals. The scores in component to PCAE is undergrounding verticals in the discounter of the passibility is accounted for permitted and executability forces. PCAE Cae is calculation with the added element of featibility to account for op	5/1/2023	Appendix D	Areas for Continued Improvement	ACI PGSE 22-16 – Progress and Updates on Undergrounding and Risk Prioritization
283	MGRA	Data Request No. 3	MGRA_Data Reques	1	MGRA_Data Request No. 3_Q1	Please provide for Asset Point data for Camera, Fuse, Support Structure, and Weather Station.	The attachments have been reuploaded to ESFT.	5/2/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
284	MGRA	Data Request No. 3	MGRA_Data Reques	2	MGRA_Data Request No. 3_Q2	Provide Asset Line data for Transmission Line (as permitted as non-confidential), Primary Distribution Line, and Secondary Distribution Line.	The attachments have been reuploaded to ESFT.	5/2/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
285	MGRA	Data Request No. 3	MGRA_Data Reques	3	MGRA_Data Request No. 3_Q3	Provide PSPS Event data. Include Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide all PSPS Event Asset Damage data including photos.	The attachments have been reuploaded to ESFT.	5/2/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
286	MGRA	Data Request No. 3	MGRA_Data Reques	4	MGRA_Data Request No. 3_Q4	Provide Risk Event Point data, including Wire Down, Ignilion, Transmission unplanned outage (as classified non- confidential), Distribution Unplanned Outage data, Distribution Vegetation Caused Unplanned Outage, Risk Event Asset Log.	The attachments have been reuploaded to ESFT.	5/2/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
287	MGRA	Data Request No. 3	MGRA_Data Reques	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.	5/2/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
288	MGRA	Data Request No. 3	MGRA_Data Reques	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.	5/2/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
289	MGRA	Data Request No. 3	MGRA_Data Reques	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.	5/2/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
290	CaIPA	Set WMP-21	CalPA_Set WMP-2	1	CalPA_Set WMP-21_Q1	Par Table 5-17 Vegetation Management Implamentation Chipchine, POEE's Focused The Impaction (FTI) Program is currently under developments Byth en end 2020. REGI plans to Fully implement AOC cross- functional team to implement guidelines across all AOCs. 14 POEE states in response to question 11 of dat request Chafwocates-POE-WMH-15 that its FTI plate of 300 overhead miles is "intereded to yield the learning needed to support and inform fluture work plans." In the black between the program of the poet of the program of the poet of the program of the poet of the program of the program. Beginning Date Compelsion Date	Please see the table below for the Frozzed The https://dis. Plogram schedule. PGSE is still developing the procedures for this program. We infamed to use 0.4 of 2023 to analyze the results of the pitols to inform our 2024 FTI plan. See join implementing the Focused Tire hispections. Program Regiment Date Completion Date See the Regiment Date Completion Date See the Regiment Date Completion Date See the Regiment Date See that the Regiment Date Completion Date See that the Regiment Date See that the Reg	5/2/2023	82225	Vegetation Management and Inspections	Focused Tree Inspections

291	CaPA	Set WMP-21	CalPA_Set WMP-21	2 CalPA_Set WMP-21_Q2	The Table 2 in Product is reviewed scalar large your backwards or a 2002, Podec map the transvers or income to the METO in 2000, 2021, and 2022. 2022	After reviewing the data to provide a response to this request, PG&E realized that the data provided in our prior submission was incorrect. This disorepancy was the result of an Excel error that occurred when PG&E revised Table 2 with the additional inspection. The disorepancy was the result of an Excel error that occurred when PG&E revised Table 2 with the additional inspection. See details required for Q4 2022. Please see attachment inspection findings in HFTD (in 200 to 2022 lease of white correctle data. PG&E additional that the patients in the fidings below. (in) & (ii) PG cour detailed ground impections, increases in findings over these patients in the fidings below. (iii) & (iii) PG cour detailed ground impections, increases in findings over the patients in the fidings below. (iii) A course (iii) PG course (iiii) PG course (iiiii) PG course (iiiiii) PG course (iiiiiii) PG course (iiiiiiii) PG course (iiiiiiiii) PG course (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	5/9/2023	QDR	N/A	N/A
292	CSPA	Set WMP-21	CalPA_Set WMP-21	3 CaPA_Set WMP-21_G3	In response to data request Call-dovorable-PCE-0003VMP 18, question 10, PCSE gladed. The five read common problems in the Edward problems is the state of the problems. PCSE that must be it is inspection process, procedures, or training to reduce the number of inspections with these problems.	The concenses aductment is tempt provided potasses at one accompanying concensus processions. The Place incide the quite is in reference to Edwardscellas-PEC-2009/MIN-10, question 15. For the transmission impactions having, the top QC findings were shared with all reforming and new inspectors as part of American Internations and the provided process of the provided process of the provided process of the American Internation International Procession on Chocks and harper plates. ProcEd-created visual diagrams to help identify were and consistent on Chocks and harper plates. Please see Art Hardmook page 121-128 and job aid TD-1001M-JA-07. 2) Insulators: PGAE developed barring and documentation for identifying issues from the ProcEd Finds amongs of procession of the ProcEd Finds amongs of procession of the ProcEd Finds amongs or poll of the procession of the ProcEd Finds amongs or poll of the ProcEd Finds amongs or poll of the procession of the ProcEd Finds amongs or poll of the procession of the ProcEd Finds amongs or poll of the ProcEd Finds and ProcEd Find	5/2/2023	QOR	N/A	NIA
293	CaPA	Set WMP-21	CalPA_Set WMP-21	4 CaPA_Set WMP-21_Q4	Figure PGEEs 1.8-2 on p. 465 of PG&E w WMP shows that PSPS will be considered under the following controllions: - Wind quate 30-40 mph - Redative humsiles of 40-76 mph - Redative humsiles will be seen and the following thresholds are taken into consideration in PSPS decision-making: - Sustained wind speed above 10 miles per hour - Sustained wind speed above 10 miles per hour - Sustained wind speed above 10 miles per hour - Sustained wind speed above 10 miles per hour - PSP MI Obnour, 1,000 hours is set than 11 percent - PSP MI Obnour, 1,000 hours is set than 11 percent - Het because like het incistate below 65 percent - Het because like het incistate below 65 percent - PSP MI Obnour, 1,000 hours is sea than 11 percent - With respect to the WWP passage noted above: - SP Please explain with beels list are different by What is the difference belowen an PSP of RSP- and a FSP above 0, 77 - DODEs PGEE consider substance with speeds, guate, to both in PSPS decision-making? Please explain your	a) Figure PCAE-8.1.8.2 on p. 465 of PCAE's WMP is intended to be a simplified version of our criteria for general awareness. Whereas the thresholds on page 756 of PCAE's WMP are the minimum fire potential conditions with bit) Are TPO 185-1 is when there is an occurrence of high FPI (above 0.7) plus the presence of high ignition potential driven by wind. c) PCAE considers sustained wind speeds for PSPS decision making on the distribution system.	5/2/2023	921	Public Safety Power Shutoff	Risk Thresholds (e.g., WS, FPI, etc.) and Decision-Making Process That Determine the Need for a PSPS.
294	MGRA	Data Request No. 4	MGRA_Data Request No. 4	1 MGRA_Data Request No. 4_Q1	Please provide a description of how the data was created, and from which version of WDRM. Please provide a description of how risk data was assigned to the 100 meter square polygons that make up the layer, specifically if it is a average over the risk scores of the components within the area.	Section 6.4.1.1 is provided in response to Energy Seldey's 2023-2025 WIMP guidelines which requested a geospatial fairs map with risk sheep insensel and time leyes as a hip 50%, is to 0.0%, and bottom 50% with the HFRA post- provided a more detailed presentation of risk layers than requested. For this research, the numeric risk value is not provided as it was not requested. The data provided in Atlanchmeric 2023-59.27 PGE 2023 WIMP, PRI Appendix C, Alzhóf 195cdion, 8 gdb is from the Wildlifer Distribution 18% Model 4.7 The risk values for each 100m; x 100m; pixel are the System Hardening composite value. As described in section 6.2.2.3, pages 171 and 172 in PGSE? 2023-2025 WIMP, the pixel level risk value is the product of the countries probability of all in drivers in that place and the widdler consensation.	5/3/2023	6.4.1.1	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
295	MGRA	Data Request No. 4	MGRA_Data Request No. 4	2 MGRA_Data Request No. 4_Q2	Explain why the vast majority of the polygons show low risk (<25%), and why high risk polygons (>70%) are very rare.	PG&E objects to this question as vague. Subject to and without waiving this objection, PG&E responds as follows: High risk polygons are rarer than low risk polygons as the highest wildfire risk is concentrated. This distribution of risk can be seen in Figure 6.2-b.1.	5/3/2023	6.4.1.1	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
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:	Upon review, PG&E has confirmed that the original Attachment 2023-03-27, PGE_2023_WMP_R1_Appendix C_Atch015ection_6gdb file insidevertently dropped some risk pixels. Please see "WMP_ Discovery/2023_PR_MCRA_Q04-0002Acth012" pir" on a published GDB file. We will reach out to Energy Safety to provide this updated information pursuant to Energy Safety's quidelines.	5/9/2023	6.4.1.1	Risk Methodology and Assessment	Processed Updates to HFTD Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
297	MGRA	Data Request No. 4	MGRA_Data Request No. 4	4 MGRA_Data Request No. 4_Q4	Please opplain why isolated "hot polygons" appear in the data, as shown below, and whether these represent actual risk or an artifact.	It is difficult to determine the location of the provided example based on the information provided. Ophared pixels, such as those shows in the example, may seel from missing pixels due to incomplied each or processing of the data. At the pixel-by-pixel level, the model does exhibit some level of noise that can result in high-risk hot spot in an area of perivally lover risk pixels. As seen in the example below, low risk and highrisk pixels can in locally. For the reason, workplan development is generally guided by circuit segment level aggregations that provide an improved indication of risk level.	5/3/2023	6.4.1.1	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
298	MGRA	Data Request No. 4	MGRA_Data Request No. 4	5 MGRA_Data Request No. 4_Q5	Please provide an alternative and more complete version of this data set in which: a. Raw numeric data is provided rather than a 5% brining. This will allow a rescaling of "low" and "high" risks to be more relative and show any gradients across the PC&E territory. b. Coverage extends to all circuits in the HFTD.	a. Please find the requested data in "VMMP-Discovery0223_DR_MGRA_0004-000304/b012p." Results from analysis at the pixel level will provide a different assessment of the papital pattern or risk than at the aggregated level. b. Specific to this request, the attached file provides risk pixels and associated requested values for all locations in the HFTD and HFRD a	5/9/2023	6.4.1.1	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
299	MGRA	Data Request No. 4	MGRA_Data Request No. 4	6 MGRA_Data Request No. 4_Q6	If the risk score for each polygon represents an average over the risk in the polygon, please provide an additional version in which the maximum numerical value in the polygon is provided instead.	As described in section 6.2.2.3, pages 171 and 172 in PG&E's 2023-2025 WMP, the pixel level risk value is the product of the cumulative probability of all risk drives in that pixel and the wildfire consequence. As such, the value is not an average over the risk in a polygon.	5/3/2023	6.4.1.1	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
300	MGRA	Data Request No. 4	MGRA_Data Request No. 4	7 MGRA_Data Request No. 4_Q7	If possible, provide two additional sets of CIS data in identical format to the original, one representing the PDI 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 brinned.	The file provided in "WMP-Discovery2023_DR_MGRA_004-Q003Aksh01.zip" contains the additionally requested Risk, POI, and Wildfire Consequence data.	5/9/2023	6.4.1.1	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
301	MGRA	Data Request No. 4	MGRA_Data Request No. 4	8 MGRA_Data Request No. 4_Q8	Please provide an excel spreadsheet giving the Distribution Outage ID for each outage occurring while EPSS was enabled in 2022.	Please see "WMP-Discovery2023_DR_MGRA_004-0008Alch01.xisx."	5/3/2023	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings

302	TURN	010	TURN_010	1	TURN_010_01	PG&E's WMP (R1) at page 3 states PG&E undergrounded 180 miles in 2022 and 73 miles in 2021. In each of these years, separately, please provide the number of overhead miles that were converted to underground related to these milesge figures.	We carriefly do not flank the overhead miles removed and replaced through undergrounding. Our geospatial system of record only tracks assets currently in the field. Based on the average overhead to underground convenion factor of 1 overhead miles to 125 system hardering underground miles and the estimated convenient factor of 1 overhead miles to 157 committy rebuild underground miles removed miles 157 committy rebuild underground miles removed miles 157 committy rebuild underground miles removed in 2022 and 2021 were approximately 154 and 53 miles, respectively. The below table represents the miles complete in 2021 and 2022 gibt by System Hardering and Community rebuild that calculate the estimated overhead miles removed based on each program. Of the U.G. Conversion Factor Factor Overhead Removed (C = BA) Underground (B) System Each Conversion Factor Each Conversion Factor Factor Conversion Factor Each Conversion Factor Factor Conversion Factor Each Conversion Factor Factor Conversion Factor Each Conversion Factor Each Conversion Factor Factor Conversion Factor Each Conversio	5/3/2023	8.122	Grid Design, Operations, and Maintenance	Undergrounding
303	TURN	010	TURN_010	2	TURN_010_Q2	PGSE's WMP (R1) at page 4 states "Between 2023 and 2026, 87 percent of PGSE's undergrounding work is planned for the top 20 percent of risk-ranked circuit segments, as identified by our risk models." a Please provide workspapers and data in Excell that supports the 87 percent figure. b Please explain what to 20 percent of risk-ranked circuit segments' means, and reference the data and response in part (a) to show how this is calculated.	The cold-ential stabilithment is being provided pursuant to a signed Non Tuckouse Agreement with PCAE. A Peesse see stabilitiement VIMP-DiscoverQQQ DR, TURN, PLOOQADEAD (COMP. VIX AREA MAND ASSESSED A	5/3/2023	8.1.2.2	Grid Design, Operations, and Maintenance	Undergrounding
304	TURN	010	TURN_010	3	TURN_010_Q3	Following up on the response to TURNI DR 7-4(c), in which TURN states the whether PGAL colorated circuit segment lever EEEs for the peat and take work shown in Albamered 2005-04-06 PGC 2002, WHP_PC 2- 64.2, ALMOI, an earlier version of which is referenced on page 156, fb. 77 of the WHP (R1): A Whether on COEIS required PGAL to present such critical-segment lever RESE in the 2002-2005 WHMP, has PGAL colorated them Turn please provide the RESE, preferably as additional colorans in the exchange provided to the PGAL to the Section assumption regarding these RESE calculations.	As described in more detail in response to TURN Data Request 09, PGGE's Wildre Feasibility (WTP) scores incorporate the element of RTSE calculation with the lessibility denient used to modify be spent factor to account for operational and executability blacks. PURP scores Conditionally Budson. PURP scores Conditionally Budson	5/3/2023	6.4.2	Risk Methodology and Assessment	Top Risk-Contributing Circuits/Segments
305	TURN	010	TURN_010	4	TURN_010_Q4	Re Figure 22-34-1 on p. 999 (R1): a Please provide the Figure in Exert with supporting data and calculations. a Please provide the Figure in Exert with spen min Finese and done it accidated. c. if not provided in part (a). In Exert Desse provide all contral segments in PCREs HFTD and HFRA and the corresponding WFE score and simplified WFRSE. Please provide supporting data and calculations in Exet. Please include as part of the response to part (a).	- WFE Score (column B) - Please see "WHO" Discovery/2022, DR, TURN, 010-C0004Act/01.xtsr." Please root, be results and visual do not match denticularly due to the number of data concentration of the control of the c	5/10/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 - Revise Process of Prioritizing Wildfire Miligations
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-Q005Atch01.xlsx".	5/3/2023	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening
307	TURN	010	TURN_010	6	TURN_510_Q6	PG&E's WMP (R1) at page 4 states "Recent data and analysis demonstrate that the Enhanced Vegetation Management (EVM) Program tols reduction is less than EPSS and additional Operational Miligations such as an experience of the Committee of the Committee of the Committee of the Committee and quantitative analyses in Excel, that support the statement.	PC&E introduced the comparison of risk reduction and Risk Spend Efficiency (RSE) of EPSs vs EVM in the 2022 VMM and 2020 CRC. Supplemental Filting in Faturey 2022. VMM and 2020 CRC. Supplemental Filting in Faturey 2022. VMM and 2020 CRC. Supplemental Filting in Faturey 2022. VMM and EPSs is substantially in EPSSs forc. PESS is substantially in EPSSs forc. PENSS in Endowmental Filting in EPSSs forc. 2020 VMM Debt Table 12 - VMMP-Discoorey/2022, DR. TURN (010-0006Action) size, initiative 7.3.5.15 and 7.3.6.8 or EVM RSE Windows PVMMP-Discoorey/2022, DR. TURN (010-0006Action) size VMMP-Discoorey/2022, DR. TURN (010-0006Action) size VMM	5/3/2023	8.2.3	Vegetation Management and Inspections	Vegetation and Fuels Management
308	TURN	010	TURN_010	7	TURN_010_Q7	PGSE WMP (R1) at page 251 states "The type of mitigation tradeoff and effectiveness analysis we conduct informed PGSEs decision to transition away from the Enhanced Vegetation Management (EVM) program. A Please provide all documentation of infernal communications regarding the transition away from the EVM program. A Please provide the "effectiveness analysis" conducted by PGSE that informed its decision to discontinue the EVM program. C Please provide annual total spending on the EVM program from 2018-2022.	a. Please ser "WMP-Discovery2023_DR_TURN_010-0007Ash00CONF pdf" sent by VM Program Communications on Cubber 20, 2022 reterencing eyel of EVM at the end of 2022. All the Communications on Cubber 20, 2022 reterencing eyel of EVM at the end of 2022. All the Communications on Communi	5/3/2023	823	Vegelation Management and Inspections	Vegetation and Fuels Management
309	TURN	011	TURN_011	1	TURN_911_Q1	1 PCGETs WMP (R1) at page 4 references WDRM v3. a Brease explain and quantify the differences in role is with working formulas. Life the provide all properties of the provided in the provided in various of virtual provided in various virtual provided in various virtual provided in various virtual various vi	If it regulation are quaranteed on the contented are selected to the content of t	5/9/2023	6.2	Risk Methodology and Assessment	Risk Analysis Framework

							Time conlidenual auscriment is being provided bursuant to a signed NDA with				
310	TURN	011	TURN_011	2	TURN_011_02	2 Fa PC&E's andergrounding workplan, "20/23-04-06, PGE_2023_WMP_R1_Appendix D ACI PC&E-22-18, Acktol 1. a Risease add a column that provides the unique circuit segment identifier requested in 1(b)(i) above. b Flease add a column that provides the turious error and sufficient for a circuit segment as calculated by WCRMAD. Cleases add is column to this spreadtheet that provides the total wildfier risk of each circuit segment as Cleases add is column to this spreadtheet that provides the total wildfier risk of each circuit segment as Cleases add is a column that provides the total overhead circuit miles of each circuit segment as Cleases explain why PC&E risks is circuit segment by Teme nike "risk risk that thord since deach segment. (Riskses provide the total number of overhead miles that correspond to each year's total underground miles (cells Column to provides the total number of overhead miles that correspond to each year's total underground miles (cells Column to provides the Texability to provide the total number of the cells and to cells and the decident in the definition that as "Cost multiples indicating the difficulty of undergrounding the circuit segment (Circuit) Protection Zines (CPZI): Illease explain white the multiplier is applied to. For example, white is the baseline cost of undergrounding per mile (multiplier of 10) for 2022, 2024, 2024, 2025, and 2026, respectively? All Riskses provides in clustration of how the multiple is suppled to. For example, while the calculation for the control segment of the column and provide the colaration for the treample is the cell of the workplan to 2022-2026, annually. Please provide at the circuit segment for lift and label, and the column and provide the colaration for the treample is under the circuit segment for the illustration and provide as elacotation for the example is the circuit segment for the illustration and provide and provides the colaration for the treample is under the circuit segment for the colaration for the treample is under the circui	PIGAE: To subpatrix A1), please see allactment "WINP-Discovery2022 DR_TURN_011- for subpatrix A2), please see allactment "WINP-Discovery2022 DR_TURN_011- a. See column N for WIDRN A2 circuit segment identifiers. b. See column A2. See column A2. See column A3. See Column A4. See Column A4. See Column A4. See Column A4. See Column A5. See Co	5/9/2023	Appendix D	Areas for Continued Improvement	ACIPGSE 22-16 – Progress and Updates on Undergrounding and Risk Prioritization
311	TURN	011	TURN_011	3	TURN_011_Q3	3. Regarding DR response TURN-7, attachment, "WMP-Discovery/2023, DR, TURN 007-0001Atch01COR5xtsc: a Rease add a column to this spreadsheet, for the "PGAE US Workplan 2023-26, Cord," with the unique identifier for each circuit separe provided in Floy) and 2(a) above. b Rease provide the supporting data and calculations for the "PGAE US Workplan 2023-26, Cord" column AC IFF, WFE Score. The formulal looks up value in a conflicted and anequest serve to Cal PA. Please provide the Exact with formulae status and with internal references to calculations, ord oldernal workbooks. Chease provide "WMP" Discovery/2023, PR. CAR4rocates, 000-007-0104/bn/10/CDV in Exact in Text provided in response to part (b) of this question. Please provide in Exact with formulaes intact and with internal references to calculations, not describe workbooks.	A. The circuit segment identifies in the name of the circuit segments as previously shared in our workplan. In altachment VMPBioscove/2023. DR, UTUNN. 007- COO! MonifolicONF-six*, see column O for VDGRM v2 circuit segment identifies, and column R for VMPRM v3 circuit segment identifies. b. Please see attachment VMMPBioscove/2023. DR, TUNN, 010-COOMActiful Lists*. b. Please see attachment VMMPBioscove/2023. DR, TUNN, 010-COOMActiful Lists*. b. Please see attachment VMMPBioscove/2023. DR, TUNN, 010-COOMActiful Lists*. b. Please see attachment VMMPBioscove/2023. DR, TUNN, 010-COOMActiful Lists*. b. Please see attachment VMMPBioscove/2023. DR, TUNN, 010-COOMActiful Lists*. closure of the column E-1 MPB in Secover's Lists* Wilder Richard	5/8/2023	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_04	4. Regarding Altachment 2023-04-06, PGE_2023_WMP_R2_Section 6.4.2_Akth01, an earlier version of which is referenced on page 150, fb. 77 of the WMP_PGE1; some of the unique circuit segment identifier requested in 1(b)(i) shore and 2(a) and 3 above. An experience of the properties o	b) Please see altachment "WMP-Discovery,0023 DR, TURN, 0.11-0,00A4both Jas.". 1bb; RR linis to Mode Data sheet in his statishment. The "Mode Data" that is summarizes the calculation of first reduction by per circuit. The "Mode Data" that summarizes the calculation of first reduction by certification of the statistic statistics of the statistics of the statistics of the statistics of the overhead in sunderground conversion rate of 1.25 as well as the workplan males exceeding the workplan may be a sample calculation. As an example, below is a sample calculation. As an example, below is a sample calculation. As an example, below is a sample calculation. In example, below is a sample calculation. As an example, below is a sample calculation. In example, below is a sample calculation. In example, below is a sample calculation. In graph of the statistics of t	5/9/2023	642	Risk Methodology and Assessment	Top Flisk-Contributing Circultu/Segments
313	CalPA	Set WMP-22	CaiPA_Set WMP-22	1	CalPA_Set WMP-22_Q1	During the panel discussion portion of the Grid Operation, Design, and Maintenance session of the WMP workshop held on April 27, 2023, PCSE estimated that, during wildline season (May through November) in 2022, EPSS was enabled on approximately 40-40% of circuit days. EPSS was enabled on approximately 40-40% of circuit days. The season in 2022 of the proximate of the percentage of circuit days that EPSS was enabled during fire season in 2022. b) Does PCSE have a forecast of the percentage of circuit days on which EPSS will be enabled during fire season in 2022 of the pulse provide it. c) Please define "circuit days."	A Yea, we calculated this number of High Prin Final Ansa (HFFA) (Smalls that were protected by EPSS between May and November 10 (2022 within was 50 PM) of creat days. When the wid not include 155% better crincia, but and through the 10 (2022 which was 50 PM) of creat days, Not have due not include 155% better crincia, but out reduces the precentage significantly (flower crincia vouid reduces the precentage significantly (flower crincia) or profitors of crincia, as only evaluated a few days profit of crincia (flower crincia) and the crincia (flower crincia	5/5/2023	8.1.8.1.1	Grid Design and System Hardening	Protective Equipment and Device Settings
314	CaPA	Set WMP-22	CaliFA_Set WMF-22	2	CalPA_Set WMP-22_Q2	During the QBA portion of the Grid Operation, Design, and Maintenance session of the WMP workshop held on April 27, 2023, a caller issaed concerns about the fassibility of undergrounding in rody and steep lemain and in those areas. Regarding undergrounding in areas with steep and rody terrains and behaviours to profine undergrounding in Regarding undergrounding in areas with steep and rody terrain. Please list and describe the current distinctions or obstacles to undergrounding in rody and steep terrain on and techniques to PGSE evaluating to improve the feasibility of undergrounding in rody and steep terrain? (3) Please state whether the unit cost provided in response to part (c) is based on mileage of overhead circuits removed or mileage of underground rodinal installed. (3) Please state whether the unit cost provided in response to part (c) is based on mileage of overhead circuits removed or mileage of underground rodinal installed. (7) Of the WMP undergrounding projects with PGSE plants to execute in 2023-2024, do any involve installing a significant amount (greater than 0.1 miles) of underground conductor in rody and steep terrain? (8) If the annexed to part (1) is yes, please list each such project.	The control of the co	5/5/2023	8.122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution

315	CuPA	Set WMP-22	CalPA_Set WMP-22	3 CalPA_Set WMP-22_Q3	During the O&A portion of the Grid Operation, Design, and Maintenance session of the WMP workshop held on April 27, 2023, a caller raised concerns about the feasibility of undergrounding in rooky and steep terrain and in westlands, in response, PGES stated first it was evaluating loss and betrivages to perform undergrounding in westlands. Perform undergrounding in westlands and service of the property of the pr	a) To the greatest entert possible, PG&E avoids construction in federal or state jurisdictional wetlands and we have generally journ detailerely few locations where it is unavoidable to underground in a "wetland" area. PG&E will first was a construction of the possible	5/5/2023	8.12.2	Grid Design and System Harderling	Undergrounding of Electric Lines and/or Equipment – Distribution
316	CaPA	Sel WMP-22	CalPA_Set WMP-22	4 CalPA_Set WMP-22_Q4	Table PC&E-22-11-3 on page 603 of PC&E's WIMP states that the cost per circuit mile of covered conductor was 580.5.08 in 2002 PC&E's response to date request CaleAncelse-PCE-2002WMP-19, question 10 confirms that "There are no additional costs association with overhead hardwareing that were excluded from Table 22-11.3 in response to date request CaleAncelse-PCE-2002WMP-09, question 10. PC&E stated that it is causal 2002 and the PC&E response to date request CaleAncelse-PCE-2002WMP-09, question 14. PC&E provided a unit cost forecast 5 150 million per mile for covered activation in 2002. In response to date request CaleAncelse-PCE-2002WMP-09, question 14, PC&E provided a unit cost forecast 5 150 million per mile for coveredant detering in 2005. CaleAncelse-PCE-2002WMP-09, question 10 (8851,880 per circuit mile) and Table PC&E-2011-13 (880,680 per circuit mile) and Table PC&E-2011-13 (880,680 per circuit mile). D) Willy is PC&E's forecast of covered conductor unit cost in 2005 nearly double the actual unit cost in 2002? O) Provide any workpapers or analyses that you used to develop your unit cost forecast of \$1.678 million per mile in 2005.	b) With the reduction in overhead burdering mileage over the WMP period (as compared to prior years). PCBEE andicipates an increase in the unit cost of covered conductor institutions due to an assertance loss of economies of circles 2025 forcease for the unit cost of covered conductor in the WMP is aligned with PCBEE is forceast in the 2025 card country of the VMP is a signed with PCBEE is forceast in the 2025 card country of the VMP is a signed with PCBEE is forceast in the 2025 card country of the VMP is a signed card 2024, cycling that the 2025 card cost forceasts specifically reflects an esculation of the unit cost forceasts from 2023 and 2024, cycling that the 2025 card cost force and 2025 card cost for covered card cost force and 2025 card cost force and 2025 card cost for covered card cost force and 2025 card cost for covered card cost force and 2025 card cost force and 2025 card cost force cost force and 2025 card cost force and 2025 card cost force cost force and 2025 card	5/5/2023	8.12.1	Grid Design and System Hardering	Covered Conductor Installation — Distribution
317	CaPA	Set WMP-22	CalPA_Set WMP-22	5 CalPA_Set WMP-22_Q5	In response to data request CalAdvocates-PGE-2029WMP-19, question 3, PG&E stated: In addition, our GES system does not include an attribute to distinguish between cowered and bare conductor. As covered and bare conductor. As covered and bare conductor. We have considered and considered distinguish between cowered and bare conductor. (a) is PG&E unable to determine the number of circuit miles of covered conductor in its system? Please explain your arrawer. (b) Dese PG&E plain to modify its GES system to include an attribute that distinguishes between covered and provided to the provided of the provided provided by the provided provided by the provided	PGAE is amending Calif-brootest—PGE-2029/MM-19, Question 3, subparts b, d and f of our original response. Although their of an apecific attribute (DSI to distinguish of our original response. Although their original color is a specific attribute (DSI to distinguish differentials between covered and bare conductions.) I please reference PGAEE are relatives to Calif-Advocates—PGE-2029/MM-19, Question 3, where PGAEE relatives to Californial and expected attribute of distribution covered and bare conduction. I where PGAE has provided the volume of circular intelled of distribution covered and bare color of the conductor byte codes to differentials between covered and bare color of the conductor byte codes to differentials between covered and bare color of the conductor byte codes to differentials between covered and bare color of the color of the code of the co	5/10/2023	8.12.1	Grid Design and System Hardening	Covered Conductor Installation — Distribution
318	CalPA	Set WMP-22	CalPA_Set WMP-22	6 CalPA_Set WMP-22_06	a). Given the test information new available to PG&E, is the expected useful life of newly installed covered outside deletion and of newly installed bar overhead conductor? b) Does PG&E orgor that the respect to the contract of the contr	a) The expected life of newly installed Covered Conductor (CC) is not identical to the newly installed Base Conductor (EC) because the faults mende as and filtered theweine the two conductor types. At this imm. PAGE does not have a useful file expectancy for covered conductor due to original evaluation of UV exposure and the possibility of expectancy for covered conductor due to original evaluation of UV exposure and the possibility of the expected original file or provide production of the expected original file original evaluation of UV exposure and the possibility of the expected useful file of newly installed covered conductor. b) PGGE uses the same inspection methods of UC and #GC. An noted in the 2023 WMP_Joint IXU CC Report, most inspection pranders of IXC also apply to CC. In adultion, in 2023, PGGE updated the Detailed Ground Inspection internal conductor exposed. CC expected and born, and dead extra cover was singles of LoC construction. PGGE is continuing to evaluate test results, discussed in response to subpart (a), to assess if additional updates to inspection and the production of the p	5/5/2023	8.12.1	Grid Design and System Hardering	Covered Conductor Installation — Distribution
319	CalPA	Set WMP-22	CalPA_Set WMP-22	7 CalPA_Set WMP-22_Q7	Table 6-7-2 on page 446 of PG&E's WMP uses the term "Critical pass rate." Please define this term.	The attachment to this response is confidential as described in the confidentially declaration of fixuland Knopber, dided May \$5, 2023 Please see attachment WWP-Discowy(2023) R. ClasApociates (20,2007Abth91C00F) off for the requested information. Specifically, on pages 1:2 of the document, we identify three calculations that comprise the causily Pleas Read (1) the POUT Best Table Table 11. The CVI Distribution Plans Read (2) the VOIT Arramission Plans Read (5/5/2023	8.1.6.2	Grid Design and System Hardening	Quality Control

		1	1				1				
320	CaiPA	Set WMP-22	CalPA_Set WMP-22	8	CalPA_Set WMP-22_Q8	In response to data request Califorciate-PCE 2023WMP-05, question 3, PCEE provided fire number of distribution inspections that failed CC review, Coff 6.29 file repressions that underwest desting quality control, 4.376 (4.9%) failed, Out of 4.0% repressions that underwest filed quality control, CDC (14.7%) failed, 1.476 (4.9%) failed, Out of 4.0% repressions that underwest filed quality control, CDC (14.7%) failed, 1.476 (4.7%) failed, Out of 4.0% repressions that underwest filed quality control, CDC (14.7%) failed, 1.476 (4.7%) failed, out of 4.0% failed failed, and 10.3 failed failed failed, out of 4.0% failed failed failed, out of 4.0% failed failed, out of 4.0% failed failed failed, and 1.3 failed fa	a) All numbers in the table above have been verified and are accorate per our 2022 data and destinances. b) Critical pass rate is a subset of the opening seas rate, looking at specific, Critical priority rated antifuction. On Pass rate, in this example, is defined as The number of inspections that failed OC review was detived from the count of inspections with a Cause Critical passion, compelling abnormal condition missed during inspection, or a maintenance notification was not created. O Critical pass rate for this specific subset of work, which included only distribution, is defined as:	5/5/2023	8.1.6.2	Grid Design and System Hardening	Quality Control
321	CalPA	Set WMP-22	CalPA_Set WMP-22	9	CalPA_Set WMP-22_Q9	In response to data request Californicates-PGE-2022/MNP-26, question 6, PGSE provided a list of incidents in 2022 where the addition of 'M contractor posed a safely risk to worker or the public. Pleases III to all the spreadsheet "Californicates-PGE-2022/MNP-22, Actfol 1 size" with the number of miles worked by each "MI contractor in 2022 for each VM grounding contractor. Actfol 1 size" with the number of miles worked Note: The list of contractors and registers came from columns. Let of, respectively, of the allactiment to PGAE completeness and course. 26-2022/MNP-26, question of. Please nature any additions that are nocessary for completeness and course. 26-2022/MNP-26.	PGSE does not track the number of miles worked by each VM contractor. PGSE tracks the number of frees worked by vendor, or poles worked by vendor depending on the program in question, Please see "VMP- Discovery2023_PG_GAM-closes (20_COMS-Disk 20's september for the number of these worked by vendor for Routine-CEMA, EVM, Pole Work, and Wildfire Rebuild. The Systems Inspections program does not work with VM contractors.	5/5/2023	8.2	Vegetation Management and Inspections	various
352	CaPA	Set WMP-22	CalPA_Set WMP-22	10	CalPA_Set WMP-22_Q10	In response to data request Calubhrocates-PGE, 2029/MMP-02, question 1, PGAE provided its 2022 Quality Verification Distribution Audit report (VMIP-Oliscover)2023, DR Calubhrocates 002-0007/Mch02/CONF pdf), a) For each of the 15° Zeno Ideatmoca & High-risk Indiright; Selestified on page 4 of the above report, what actions have PGAE bases in brigges these nonconformances in the function of the 15° Zeno Ideatmoca & High-risk Indiright; Identified on page 4 of the above report, describe when of the PGAE bases to mitigate these nonconformances in the future? Of reach category of the "Top there Citical attribute findings" identified on page 4 of the above report, what actions has PGAE base to mitigate these nonconformances in the future? I) For each category of the "Top there Citical attribute findings" identified on page 4 of the above report, what actions has PGAE base to mitigate these nonconformances in the future? I) Please describe all actions PGAE has taken to reduce the rate of critical attribute nonconformances in future distribution system integretions. PGAE and the PGAE plans to implement (section 8.1.6.1 in PGAE's WMMP).	Into CONTROL TEAL INSCRIPTIONS are the entirely control to the accuracy interpretation of the control to the co	5/12/2023	8.16.1	Grid Design and System Hardening	Quality Assurance and Quality Control
323	СыРА	Set WMP-22	CalPA_Set WMP-22	11	CaIPA_Set WMP-Z2_Q11	Table PG&E-8.1.2.3 on page 349 of PG&E's WMP lists the number of undergrounding miles to be performed in Top 2.0 present Risk-Resided Circuit Segments' in 2002, 2004, 2005, and 2005. The bable notes, "The 8205 risk WCRM v3." a) Please define "Top 20 percent Risk-Resided Circuit Segments' for each year from 2023-2006. b) How many circuit lines are contained with the "Top 20 percent Risk-Resided Circuit Segments' for each year from 2023-2006. b) How many circuit lines are contained with the "Top 20 percent Risk-Resided Circuit Segments' for each year from 2023-2006. b) How many circuit segments are contained with the "Top 20 percent Risk-Resided Circuit Segments' for each year from 2023-2007. d) Does the phrase "Top 20 percent Risk-Resided Circuit Segments' riede to the top 20 percent of circuit segments across PG&E's entire service termitory, across the HFTTD, or another categorization? Please explain your answer.	I) As inclosed in Table POEAS 1.2.3 the "Top 20% Risk-Revised Circus Segments" miles can come from either the OVDRIM 2.9. vii Post processed by the Poeas of the	5/5/2023	8.12	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
324	CalPA	Set WMP-23	CalPA_Set WMP-23	1	CaiPA_Set WMP-23_Q1	PG&E states in its WMP p. 751, "Based on our updated 2021 PSPS Protocols, some of the 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 militigated with PSPS Protocols: "Please explain in detail how circuit ID 152491106 (circuit name	See response to WMP-Discovery2023_DR_CalAdvocates_012-Q004Supp01, subparts b, c, and d, Additionally, see WMP-Discovery2023_DR_CalAdvocates_012-Q001Supp01Atch01 full list of circuits mitigated by PSPS Protocols and	5/8/2023	9.2	Public Safety Power Shutoff	Protocols on PSPS
325	CaIPA	Set WMP-23	CalPA_Set WMP-23	2	CalPA_Set WMP-23_Q2	Brunswick 1106) would have been militgated by PSPS Protocols. Regarding PG&E's October 26-29, 2019, Post-PSPS Event Report4, Please explain in detail how PG&E's 2021 PSPS Protocols, as mentioned in Question 1, would have militgated quastomers served by each of the affected circuits during this PSPS de-energization event.	the Distribution customer-events that would have been mitigated. See response to question 1 in this data request set for explanation on how the current PSPS Protocols would mitigate customers.	5/8/2023	9.2	Public Safety Power Shutoff	Protocols on PSPS
326	CalPA	Set WMP-23	CalPA_Set WMP-23	3	CalPA_Set WMP-23_Q3	Regarding PGAE's AFN PlanS. Appendix C: Program/Assistance Participation by Census Tract*, p. A-9, please provide the demographica (expectably racial/define) breakdown and income distribution), if known, for each census so) Self-Generation tracetive Program: a) Self-Generation tracetive Program c) Generator and Batlery Rebate Program (GBRP).	PGSE does not collect demographic data, such as radallethric bresidown or income distribution, from its customers. The cety proxy that PGSE is some of its participation in the California Alternate Rates for Energy (CAME) programs. PGSE provides there is the control of the Self-Generation Incombre Porgams, Protable Battlery Program, and Generator and Battlery Rebuller Program — that provides the number of CAME protripants within the total number of Service Prior ID SEPOND for each creams attack Section 2014. The provides the number of CAME protripants within the total number of Service Prior ID SEPOND for each cream status Section 2014. The total Camera of the Self-Generation Incombre Programs — *WMP-Discovery/2012 DR California (CAS 2000/300/4012 ox for the Profitable Battlery Program WMP-Discovery/2012 DR California (CAS 2000/300/4012 ox for the Centeration at Battlery Rebattle Program Note that the tables in this response reflect customer account statuses as of May 4, 2023, and therefore may not make the customer country and creams tables in the APIP Pan (Reflective ox of January 2023) but accountry becoming	5/8/2023	8.5.3	Community Outreach and Engagement	Engagement with Access and Functional Needs Population
327	OEIS	004	OEIS_004	1	OEIS_004_01	Regarding tyntion Probability Weather Model in PGAE at WIMP, if states in SPRY framework analyzes positive and negative changes in grid performance and reliability service very and applies a limeweighted approach to weigh more recent years of learned performance more heavily in the first model coupt. (p. 76). In the property of t	a. The PW model learns changes in performance through the houlty relationship between outage occurrence and the weather condition present. We use evaluation melitics like the AIRCO values as published in our WMF to see sent model skill for model deployment. To 1 date, system intensions just not an explicit fleature, or input, of the PW model. Any changes in the outreet model and the performance of the perfor	5/9/2023	921	Public Safety Power Shutoff	Roix Thresholds (e.g., WS, FPI, etc.) and Decision-Making Process That Determine the Need for a PSPS.
328	OEIS	004	OEIS_004	2	OEIS_004_Q2	Recogning EPSS in PW Model PGSE discusses its priftine Prochely Weather (PW) Model on p. 766 of its WMP. A low does the PW Model analyze and consider outages from EPSS (i.e. differentiating analysis completed)? b. How does the IPW Model account for EPSS-enabled circular?	a. The CPW-RPV model does not differentiate between circuits that had or have EPSS enabled currently. The EPSS regulated to reste additional codages codage software profit you ent the past is possible to drive additional codages codage software profit which were the past is possible code and the codage of the past in the codage of the past in the codage of the software profit was the profit of the codage of the coda	5/9/2023	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.
329	OEIS	004	OEIS_004	3	OEIS_004_Q3	Regarding After Action Reports for Emergency Preparetrees Provide the nost recent After Action Reports for thom emergency training exercises for the following exercises: a. Table 8-30 Prescornel Training EPRAK Emergency Preparedments Training Program EPRAK Emergency Preparedments Training Program EPRAK Emergency Debreak Contract Creater (DCC) Operators b. Table PAGE 8-60 Debreak Contractor Training 1-TD-14685 - Table PAGE 8-60 Debreak Contractor Training 1-TD-14685 - Called 8-41 Internat Dritt, Straination, And Tabletop Exercise Program - Operations Based Whiteler EF - Operations Based PREPST SE	The confidertial attachments are being provided pursuant to the accompanying confidertiality declaration. a. After Action Reports are not created for Presonnel Training, including the items identified in Table 8-39. b. After Action Reports are not created for Extended Contractor Training, including the items identified in Table 8-39. b. After Action Reports are not created for Extended Contractor Training, including the item in Table 10-38. Chease see attainment WMM-Discovor2023 (DR CESS 604000AMH0100VA) print of WMM-Discovor2023 (DR CESS 60400AMH0100VA) print of WMM-Discovor2023 (DR CESS 6040AMH0100VA) print of WMM-DISCOVOR2023 (D	5/9/2023	84222	Emergency Preparedness	Personnel Training

330	DEIS	004	OEIS_004	4	OEIS_004_04	Regarding Customer Group in PSPS Objective PS-05 in PSPS objective PS-05 in PSPS objective PS-05, PGAE states that it will floous on a group of customers "not limited to AFN, MBL and self-identified vulnerable populations." a How does PGAE deterts this group of customers it is focusing on? b. What is the size of this group of customers that PGAE is focusing on?	a. In addition to access and function needs (AFN), medical baseline (MBL), and self-identified vulnerable (SIV) populations, PGAE intends to locus on customers more frequently impacted by PSPS and/or EPSS. Additionally, populations, PGAE intends to locus on customers more frequently impacted by PSPS and/or EPSS. Additionally, to sever-income customers, if a CARE and FERP, pericipanish 1 and other customers with many lack the functional intensis to acquire backup power. Currently, PGAE is planning to support permanent baseline for customers who have provided to CARE, FERA, MBL, and SIV customers. While these characteristics may be adjusted over the ten-year couldow, PGAE emission continuing to both on the groups on the depenyth impacted by doubles and who lack the double, PGAE emission continuing to both on the groups on the depenyth impacted by Quides and with bits of the precedity and the proposition of the property of the property impacted by PSPS outsiges by Am mediored in part is, PGAE is focusing on customers who were more frequently impacted by PSPS outsiges are certified as a property of the property of the property in the property in the property in the property of the property of the property of the property of the property which are CARE, FERA, MBL, or SIV customers. These customer courts may vary over time based on outstomers' evolving realities rower and are depreted or PSPS impacts.	5/9/2023	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
331	OEIS	004	OEIS_004	5	OEIS_004_Q5	Regarding Areas of Concern and Footaed Tree haspectors (FT) a how will FCAS dedirests risk from green hazard trees (town of obviously) deed, dying, or declining) in non- Areas of Concern Areas	The confidential attachment is being provided pursuant to the accompanying confidentiality declaration, a As outlined in Policia Vegetation Management Distribution Integretion Procedure, provided as "NUMP-Discovery2023_DR, CRES_GOA-0005ActificTONF port," If a VMI identifies a hazard tree during a Level 1 inspection, a level 2 inspection of the performed to integrate the instance of the performed to integrate the instance of the performed to integrate the provided the instance of the performed to integrate the performed to integrate the performance of the per	5/9/2023	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
332	OEIS	004	OEIS_004	6	OEIS_004_06	Regarding Enhanced Vegetation Management a. Populate the following table with Information regarding EVM: Year HITD Miles Completed Imagesceld Strike Potential Trotes Strike Potential Trotes Strike Miles in Top 20% of Risk 2018 2021 2022 Total b. Provide a CISI layer of line features showing where EVM work was completed.	Year HTO Miles Completed Completed Springer Free Times Worked Average Potential Trees Trees Worked Average Note Times Trees Worked Average Note Times Times Times Worked Average Note Times Time	5/9/2023	82228	Vegetation Management and Inspections	Discontinued Programs
332	OEIS	004	OEIS_004	6REV	OEIS_004_OGREV	Regarding Enhanced Vegetation Management a Projude the following table with information regarding EVM: HFTD Miles Completed Interest Trees Workship Months of the State of the	We would like to amend our response to "WARD-Discoverp2023_DR_GES_0000006pd", "aboritised to the Office of Energy thiratturised Seldy on high 9, 2015, but cereporse, we miscalculated the number of three Worked and the "Average Trees Per Miles" in 2022. Please see revised chart below with the updated numbers highlighted. Completed Image. The Complete Image. The Completed Image. The Complete Ima	\$15,0023	82228	Vegelation Management and Inspections	Discontinued Programs
333	OEIS	004	OEIS_004	7	OEIS_004_07	07. Regarding Vegetation. Cassaed Outages a. Poguidate the Stituming table of vegetation-caused outages by mode of failure in the HFTD between 2015 and 2012. broken out by year, PGSE may add additional rows (i.e., mode of failure) if reeded. 2015 2016 2017 2018 2019 2019 2019 2019 2019 2019 2019 2019	PGSE does not capture the HFTD life in outage reports therefore the data being provided cannot be filtered to only include outages in HFTD areas. Prolites see attachment YMMP-Discovery 2022 DR, CES, 004-0007/R401/ user for the system ander segelation-caused outage by mode of failure from 2915-2022 as recorded by PGSE.	5/9/2023	Appendix D	Areas for Continued Improvement	ACI PGAE-22-28 – Progression of Effectiveness of Enhanced Clearances Joint Study
334	OEIS	004	OEIS_004	8	OEIS_004_Q8	Regarding Vegetation Hazarda Miligated by PSPS if so, populate the following table of september and the property of the proper	POGE interprets this question as identifying regardion related damages and house'd after patrolling and respecting contain repaided by PSPS-PGEE started implementing PSPS in 27th, florefore, did not collect data prior from 2015-2016. While PGEE records whether or not a PSPS damage or hazer it is expellation-related, because the povertimes are de-emergized to prevent potential spillations from vegetation contact, PSPS patrollers do not assess vegetation failure mode. PSPS is designed to prevent and mitigate against potential fire ignitions from any vegetation related damages or hazers in garded set of failure mode. Desperance of the production of the pr	5/9/2023	922	Public Safety Power Shutoff	Method Used to Compare and Evaluate the Reselve Compare services of PSPS and Widthes

335	OEIS	004	OEIS_004	9	OEIS_004_09	Regarding Coordination with Other Utilities on PSPS Wind Thresholds in its response to ACI PR&E.223.1 PC&E states.** reclaims created in the response to ACI PR&E.223.1 PC&E states.** reclaims of the point IVU team, PC&E has performed in a his hocilitation interferenced by Convert Conductor Endoctors. a his has collisation interferenced by Convert Conductor Endoctorsess Study (Table Set SL, the 17): I. List PC&E so ther, if any, collaboration efforts with the investor-convect dutilities at evaluating the effect of convert conductor of PSP risk. Left Study (Set Set Set Set Set Set Set Set Set Set	a. The Joint FOU Covered Conductor Working Group Report was provided in the original abunishous part of alasthermed **Abunhermed 2073-02-75, "Dec 2023_WMP_ED Appendix D ACI PG&E-22-11. ACIDIT_CONT." ADMINISTRATION OF THE PROPERTY OF THE P	5/9/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-31 – PSPS Wind Threshold Change Evaluations
336	OEIS	004	OEIS_004	10	OEIS_004_Q10	Regarding Tree Fail-In and PSPS in its response to ALD PSEE-22-31, PGSE states "based on collaboration with the joint IOU team, one of the biggest hazards during PSPS event is the potential for tree fail into line" (p. 998). a. Explain "one of the biggest hazards during PSPS event "in terms of risk (e.g., likelihood, consequence).	Based on PGEEs in review of potential (prillion events during a PSPS event, vegetation related hazards pose he highest risk for judgion. Please reference "acts 6 and Table 6 of the Quartley (but 8 perior PGEE submits to he OES, where all of the (prillions are listed, including those that pose the highest insk for jurition. PSEEs has incroproaded the set fishe potential and vegetation begin this pSPS guidance (classisophic Fire Probability (CPFI). Please see VMP Section 9.2.1 "Piols Thresholds and Decision-Making Process that Determine the Neet for a PSPS" for additional intelligence of the PSEE CFF.	5/9/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-31 – PSPS Wind Threshold Change Evaluations
337	OEIS	004	OEIS_004	11	OEIS_004_Q11	The 2023-2020 WMP Guidelines make specific requests for RSE, optimization of risk reduction and cost, and prioritization decisions: 7.1.4.1 Sentifying and Evaluating Missignian Initiatives (comparable to 2018 SMAP Settlement of 19 The procedure for Index In	that TREE and 'risk buydown' are distinct terms with different meanings. In its request, Energy Safeky used the term NEST: to describe the calculation of the burds in inclusions divided by the cost of the mission in a given year. PCRE NEST: to describe the calculation of the burds in inclusions divided by the cost of the mission in a given year. PCRE each missignor's benefit life. PCRE and by provide PCREs using Energy Safeky's definition by aggregating the risk adduction from the vict completed from 2004-2002 and sinking by the batta cost from 2004-2002. The PCRE are excorporated into the critar below, PCRE notes that the definition of PCRE used for purposes of this request is not the excorporated into the critar below. PCRE notes that the definition of PCRE used for purposes of this request is not that which the provided in the provided pro	5/19/2023	7.1.4	Wildfre Miligation Strategy Development	Identifying and Evaluating Mitigation Initiatives
338	OEIS	004	OEIS_004	12	OEIS_004_012	Requesting the PGAE Intersection for PSGS 7 (in). The exclines that leads to middle PSGS 7 (in). The exclines that leads to middle PSGS 1, PSGS-C, PSGS-V and PSGS-R 6 on a sufficiently describe the calculations that ultimately result in a PSGS Risk Sover. The Guidelines for section 6.2 (Risk Analysis Framework require detailed discussion of likelindock, consequence, require detailed discussion of likelindock, consequence, require potential and value reliability for PsGs 16 (Risk PsGs). The PsGS 1, PsGS-C 1,	Regimer DGES-E-S and PGSE-E-S and full documentation provided as part of WWW-DiscoveryOSD2 PRO CRESS (1994). The CRESS (1994) and PGSE-E-S and FGSE-E-S AND FGSE-	6/16/2023	62	Risk Methodology and Assessment	Risk Analysis Framework
339	OEIS	004	OEIS_004	13	OEIS_004_Q13	Notice Text (No. 1974). The Asset In Process (Text (No. 1974) and Process (No. 1974). The Asset Inventory While PCASE (PV) and Very Review (No. 1974). The Asset Inventory While PCASE (PV) and Very Review (No. 1974). The Asset Inventory Conductors and poles, that are not in the Asset Registry and therefore not included in the WMP is nitiatives. In regards to PCASE plants and progress on the Asset Registry Data Coultin's Progress (ARCD), plants provide the following, including via Excel Ele as applicable: a. Creater debtails regarding plants and dimellines on the known gaps on the between TAD insight printing and correcting missing electric distribution asset types in High Fire Risk b. Creater debtails regarding plants and timellines on the known gaps on the between TAD insight printing and the financies to address the gaps in the high Table Control printing and control printing and control printing and timellines to the thermal plants of the Control printing and the financies to address the gaps in the high-risk deciric distribution asset types in the HFROY of the Control printing and the financies to the Control printing and t	four-year project. The remaining approximately 2% of wildfer areas not yet completed are planned for completion in 2023. As referenced above, PG&E also leverages inspection activities to identify and correct any critical missing or inaccurate asset data attributes.	5/23/2023	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_014	Regarding PG&E's Use of Downed Conductor Detection (DCD) and Partial Voltage Detection (PVD) a. Provide any analysis completed on reliability impacts due to DCD including: a. Provide any analysis completed on reliability impacts due to DCD including: a. The number of object or duspes braken down by cause (based on golino drivers listed in Table 6 of the ODR) hast occurred due to DCD in 2022 and 2023 b. The number of DCD consideration (including the Consideration of the DCD consideration of t	La Class far to ready ent. 2022 for 2022 CEUC Changes. 1. To disalges have counted with DCD settings enabled. 1. To disalges have counted with DCD settings enabled. 1. To disalges have counted with DCD settings enabled. 1. Class and setting of the 2022 CEUC CEUC CEUC CEUC CEUC CEUC CEUC CE	5/9/2023	8.1.2.10.1	Grid Design and System Hardening	Downed Conductor Detection Devices
341	CEIS	004	OEIS_004	15	OEIS_004_015	Regarding Feasibility Constraints. PGAE must provide an explanation of how, if at all, feasibility constraints impact the decision making of its Wildfire Governance Stereing Committee in selecting a portion of mitigation measures that deviates from the risk informed prioritization. This should include: a. A flownithan or explanation of decision-invaliding as processed by the Wildfire Governance Steering Committee, b. The correlation between rare V3 risk outputs and WIFE c. The correlation between WEE and Resibility d. Any associated shifts in prioritization due to implementing feasibility constraints a. A list of any projects not included within UG scope due to feasibility constraints	Inches trippecusity despectably this requests to the extension for the request incorrectly impress. As described broughout the 2022-2025 WIMP, and specifically in Section 7.1-4.2, we will be a second of the control	5/9/2023	Appendix D	Areas for Continued Improvement	ACIPGAE-2234 - Revise Process of Prioritizing Wildfre Miligations
342	OEIS	004	OEIS_004	16	OEIS_004_Q16	Regarding Electhwense of EPSS. Should be considered and collabations used by PCAE to determine the effectiveness of EPSS. Should analysis demonstrating adequate oversite between EPSS risk and widther risk to ensure PCAE's mitigations are directly addressing white risk opposed to reliability. C. Provide PCAE's workplan for resourcing EPSS-directed mitigation measures, including ratios and work hours whited around from wideline risk, mitigations. This should also include asset management related mitigations.	a. The 2022 EPSS tynition Reduction is calculated using the formula below: 1022 (2018 – 2020)	5/9/2023	8.1.8.1.1	Grid Design, Operations, and Maintenance	Protective Egypment and Device Settings

343	OEIS	004	OEIS_004	17	OEIS_004_017	Regarding PCAE'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 featibility. b. Provide the analysis on the renating risk of the miles no longer scoped for undergrounding, including: ii. The number of miles except for the future (paul 2029) iii. Alternative mitigations being used if no longer scoped for undergrounding iii. Alternative mitigations being used if no longer scoped for undergrounding	In York Interpret contraster into soor in total miss, soor or each recent segment based on the 2017 WORM Az and the 2012 WORM Va Press (see, for the 2022 WORM AP exciptions, the total risk score are provided at the CP2-level, WORM and 2022 WORM Va Press (see an exprovided at the CP2-level, WORM and 2022 WORM APPLICATION AND ART AND	592023	8.122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
344	TURN	012	TURN_012	1	TURN_012_Q1	1. Please confirm that the Simplified Wildfire Risk Spend Efficiency (SWRSE) and Wildfire Feasibility Expenditure (WFE) measure discussed on page 880 of PGAEs WIMP. A Re only calculate by PGAEs for undergounding projects. A Re only calculate by PGAEs for undergounding projects with any other projects. If PGAE does not unequinocally agree with "a" and "b" above, please explain why it does not.	a) Yes. b) Cornect, the intent of calculating SWRSE and WYTE was to support the selection process for largefled undergrounding projects any), process for largefled undergrounding projects any), and the selection of the selecti	5/11/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 – Revise Process of Prioritizing Wildfire Mitigations
345	TURN	012	TURN_012	2	TURN_012_02	2. Comparing the wildfire miligation work proposed in PGSE's WMP with the wildfire miligation work proposed in PGSE's test year 202 GRC (x 2:1-6-021). a. Please describe any differences in wildfire miligation programs proposed or volume of wildfire miligation work. b. For any differences dis described in subject "a") please provide a table that hows, on a program by program basis, the WMP proposal, the GRC proposal, and a description of the difference(s) between the two, including without limitation differences in volume or units of work. The based bandle include any wildfire mitigation programs that are proposed in one of the proceedings but not in the other.	hardenine, instead of underconduction. The Team Problem and the West Control of the Control of	5/12/2023	721	Wildfre Miligation Strategy Development	Overview of Midgation initiatives and Advities
346	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	1	CPUC - SPD (Safety Policy Division)_004_G1	Provide updated CPUC-reportable by pillon data. SPID: current data set is attached for 2014-2021. The current data is an aggregated data set based on the data found here, under Fire by pillon Data. WSPS is requesting an updated data set to resolve four potential issues: WSPS personally understands that some pillons may have been excluded at the time the data was submitted if the cause of the fire was understand. But not pillons are pillons may have been excluded at the time the data was submitted. Data may have been corrected once additional information was acquired. 3.Data may have been entered inconsistently between years which makes it difficult to perform analysis. 4.Dydate the data the beactular imber of acce burner affert han a range of acces. Before submitting first, agreed-upon data to WSPS, piesse set up a conference call to discuss the ignition data available and the potential ways the data may be formatted to be nore useful to WSPS.	Please find the requested information attached as "WMP-Discovery2022 DR, SPD 004- 0001/Mon10 Jasz". For column E (FPR), the Fire Potential Index (FPI) rating is only assigned to locations in a Fire Index Area (FRA), which are polygons that typically (but not always) align with HFTIDs. The ignitions that have bashes in column Ed din of coor on a circuit segment located in a FPA polygon and therefore do not have associated Fire Potential Index for column I, Caregon), this field is used to optime screege for widther (i.e., fires greater than 10 acres), it will not typically be populated if the fire is less than 10 acres unless the acressing is listed in a report form a fire suppressing agency.	5/19/2023	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 Pollicy Division)_004	2	CPUC - SPD (Safety Policy Division)_004_02	In addition to the data requested above, please add the following data columns for each lightion: 1.79/TDT — Classify each signifion as whether it was located in a "Zone 1," "Tie 2" or "Tie 3", or "Non-HFTD" 2. "Fixe Potential Index" — Provide the Trie Potential Index for the location on the day of each lightion.	Please find the requested information attended as "WINE-Discovery02023_DR_SPD_004- 00001Ae010_size," a. The requested information is identified in column H. Please Note: For column E.FPI, the Fire Potential brides (FPI) stilling is only assigned to locations in a Fire Index Area (SA), which are polypore that typically (but not always) align with a fire Index Area (SA), which are polypore that bypically (but not always) align with a stilling of the Index SA (SA) and SA	5/19/2023	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)_034_Q3	Provide the total number of circuit mile-days for each Fire Potential Index rating per year starting in 2014.	Please for the requested information below: This analysis was completed by first counting the number of days each Frie Index Area (IFA) was forecast at a certain rating per year. Those day counts were then multiplied by the number of CHI limit miles in each FIA by portiod the certain miles days. Please noth that between 2014 and 2016 we did not record FIA natings before RR, and 2022 contains date only through the first limit was welles of May. FIF Rating Circuit Mile Days: Total CHI limits FIF Rating Circuit Mile Days: Total CHI limits VER RD. 1 RE 20 RB 18 RS 64: 2014 RAN NA VAS 27733 2020 NA 2017 22 HAV NA VAS 27733 27730 NA 2017 22 HAV 12 STREET 2025 NA 2017 22 HAV 12 STREET 2025 NA 2017 23 HAV 12 STREET 2025 NA 2017 23 HAV 12 STREET 2025 NA 2010 24 STREET 2025 NA 2017 23 HAV 12 STREET 2025 NA 2017 24 STREET 2025	5/19/2023	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 Pelicy Division)_004_04	Provide the total number of days per year for each Fire Potential Index rating for each Fire Index Area starting in 2014.	Please for the received information relow. These signs on expensional systems of give number of days each Fire Index Area (FPA) was forecast at a certain rating per year. Files no file the between 2014 and 2017 and of the received FPA ratings below RA, and belowen 2014 and 2017 we did not received FPA ratings RFS in our distallment. Also, were RO-1 RE 2R RFS RFS. 2014 NA NA NA 2016 887 NA SECTION SE	5/19/2023	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_05	Provide the total number of circuit mile-days for each Fire Potential Index rating in the HFTD per year starting in 2014.	2022 15074 4695 5023 5081 79 10 2023 11502 3091 100 100 100 100 100 100 100 100 100	5/19/2023	83.6	Situational Awareness and Forecasting	Fire Potential Index
361	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	6 CPUC - SPD (Safely Policy Division)_004_06	Explain how the utility is normalizing for the effect of weather and field conditions when understanding its performance each year on ignitions relative to changing weather and field conditions year over year.	In general, we have been evaluating our performance metrics against indicators of selevated FFF lading (e.g. Rail and about) fine fast several years are vale as red flag warming days. If a comparison of the selection of the se	5/19/2023	83.6	Situational Awareness and Forecasting	Fire Potential Index
352	CalPA	Set WMP-24	CalPA_Set WMP-24	1 CaPA_Set WMP-24_Q1	In reference to your response to Question 11 of DR Call-divocates-PGE-2023WMP-16, on the excel spreadtheet WMP-Discovery 2022_DR_0_016_C0114A010; and of the control of the	In the referenced attachment, Coultment (I) and (a) are the average looking for industrial criticals that are adjunct to circuits in (a) of prespectively. For example, Anderson 1101 is adjuncted to a circuit being undergrounded. The average loading is provided for Anderson 1101 in (I) but Anderson 1010 in (I) but Anderson 1010 in on Cellader (ii) e) introduce (iii) but a compared to the compared of the compared	5/12/2023	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 scle 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.	5/15/2023	6.4.1.1	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA
354	MGRA	Data Request No. 5	MGRA_Data Request No. 5	2 MGRA_Data Request No. 5_02	Is the fine-grained POI distribution a result of the localization of specific historical outages, characteristics of asset or environment, or both?	The fine-grained features (sharp contrasts in values between neighboring pixels) in PG&E's risk model outputs are a product of finely varying predictive covariates, including asset characteristics and environmental attitubules. Please see proceed to finely varying predictive covariates, including asset of purpose the process of the pr	5/15/2023	6.4.1.1	Risk Methodology and Assessment	Procesed Updates to HFTD Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
355	MGRA	Data Request No. 5	MGRA_Data Request No. 5	3 MGRA_Data Request No. 5_Q3	Which of the following characteristics is known or suspected to contribute to the fine-grained localization of POI shown above, and to what degree. a. Vegetain b. Three density and height c. Asset sheath C. Asset health e. Asset type f. Hardening-Millication history	The data representing the items listed in parts a through e all contribute, in varying degrees depending on location and geography, to the fire-grained localization seen in PGRES is this modeling doubts, including the spatial view provided by MGN. The grained localization seen in PGRES is the modeling doubts, including the spatial view provided by MGN. The grained localization may result where locations of significant contraint variability sets in PGRES as service termitry (e.g. a heavily forested areas near to a non-forested area; The causal effects of part in fundering implication heatry, were not delivery estimated for the WDRM V3. To the estert an exact is replaced as part of a writtle implication project, the asset health, age, and tipe would be reflected in WDRM V3 and may contribute to the grained localization.	5/15/2023	6.4.1.1	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
356	MGRA	Data Request No. 5	MGRA_Data Request No. 5	4 MGRA_Data Request No. 5_Q4	As an example of "localized outage" effects, if a vehicle were to collide 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 courted show an evented POIO? or void coveresely the incremental increase risk of vehicle collision outage be generally distributed over the entire landscape, or a portion of the landscape?	This type of outage would be classified into the Contract From Object Third party whelicit subsets as lasted in Table ORGE-6.2-1.1 in 1910, a raige accident does not have very much asys over the third party whelich mode one way or arother because there are handreds of instinctied events already contributing to the result. However, we can say that the additional data point would enhance the POII in bostions that have the same convariate characteristics are the accident location. So, the resulting adjustments would not be locatized to the accident location, but they would not be spread eventy access all locations either.	5/15/2023	6.4.1.1	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
357	MGRA	Data Request No. 5	MGRA_Data Request No. 5	5 MGRA_Data Request No. 5_Q5	Are fire weather winds included in the WDRM v3 POI model in any other manner than that described in WDRM v3 discussion, in which aggregated yearly variables such as annual maximum or annual days over peak are used as explanatory variables?	Yes. In WDRM v3. day-of-event wind speed and fuel conditions are significant covariates in the probability of ignition	5/15/2023	6.4.1.1	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
358	CaPA	Set WMP-25	CalPA_Set WMP-25	1 CaPA_Set WMP-25_Q1	With reference to Desident if of date request Coldon-coalse-PCS_2020MEN. Exf. givens agreetly or response. In motisting part of slages are well as collegals (see Adedicate above). Specifically, please provide the East extended in the Collegal (see Adedicate above). Specifically, please provide the East extended in the Collegal (see Adedicate above). Specifically, please provide the following additional information (in columns). In the Collegal (see Adedicate above). The Aded (see Adedicate above). The Collegal (see Adedicate ab	Please see "MMP-Discovery2023, DR, CalAdvocates_125-Q001Alch01.vls." for information responsive to items (i)-(q).	5/18/2023	QDR	NA	NA NA

				The CONFIDENTIAL attachments are being provided pursuant to the							
Maturity Survey	Maturity Survey	Maturity Survey	5/16/2023	adiachment //WMP-Discovery/223 DR_OES_005-00/01Actr/02CONF; pctf **Please see section 8.1.2, the After Action Report, which highlights gaps and limitations. Lastly, please size reference the After Action Report Standard; included as attachment **WMP-Discovery/223 DR_OES_005-000/1Actr/03CONF-pdf* for a further discussion of cans. limitations and immovement areas.	Regarding Malurily Survey response to Section 1.2 Question 88 Regarding the Malurily Survey response to Section 6.1.2 Question 88, PGSE answered "yes". What sections of its Company Temperapy Response Pain (CERP) does PGSE raise'vide a discussion of gaps, limitations, and improvement areas with remedial or corrective action plans as it relates to writter and PSFS7 # fits discussion is contained in other documents, provide those and clarify what sections the discussion is contained in.	OEIS_005_Q1	1	OEIS_005	005	OEIS	359
Maturity Survey	Maturity Survey	Maturity Survey	5/16/2023	Please reference Section 1.9 of the CERP, located on PGSE's website at the following link: www.psc.com/psc.globalcommon/pdfs/aste/piemergency-preparedness/instural/disaster/wildfres/wildfre- militgation-planisupporting-documents/emer-3001m-2023- cepp.pdf for additional information regarding the CERP review.	Regarding Maturity Survey response to Sec 6.1.4 Question #2. 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.	OEIS_005_Q2	2	OEIS_005	005	OEIS	360
Maturity Survey	Maturity Survey	Maturity Survey	5/16/2023	PG&E conducts annual reviews with Subject Matter Experts to evaluate the CERP and its associated functional and hazard specific amexies. The process for this annual review is documented in "VMP-Discovery222 DR, OIES_005-C000Abrib (CONF.pdf' Please note, these review sessions are considered working meetings and do not result in a formal evaluation or record.	Regarding Maturity Survey response to Sec 6.1.4 Question #7. PG&E answered "yes" that Subject Matter Regarding the Maturity 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).	OEIS_005_Q3	3	OEIS_005	005	OEIS	361
Undergrounding of Electric Lines and/or Equipment	Grid Design, Operations, and Maintenance	8.1.2.2	5/16/2023	A. The log 2D percent of risk ranked circuit segment is dependent on the number of circuit segments analyzed in acts WDRFM node For WDRFM v.3, the model includes all circuit segments across PSGES entire overhead distribution system, which is 11.17 circuit segments (see WWR-Discover)2022 DR, TURN, 011-0001Act/01, tab. TL, composite segments (see WWR-Discover)2022 DR, TURN, 011-0001Act/01, tab. TL, composite segments with one work of the composite segments with the composite segment of the composite segment segme	1. Following up on TURN DR 10.2(b) and PCAE's response: a. Rease explain how PCAE determined that a risk rank por the V3 risk model above 720 constitutes the top 20% of its k ranked segments? Why does 220 represent the 20% threshold? Please explain. Please provide workpapers, calculations, and data in secend that support year response. All the provides of the Value of	TURN_013_Q1	1	TURN_013	013	TURN	362
Tree Removal Inventory	Vegetation Management and Inspections	82224	5/16/2023	Routine Second Patrol 2019 2019 2019 2019 2019 2020 191.725 46.500 191.726 2020 191.726 2021 191.728 2021 191.728 2021 2021 191.728 2021 2021 191.728 2021 2021 2021 2021 2021 2021 2021 20	Phase provide: 1 The number of trees removed in each year from 2019-2022 and the program under which the removals occurred. 1 The number of planned tree removals for 2023, 2024, and 2025, and the program under which the removals will occur. 1 The number of remaining trees in PC&Es tree inventory that are fisted for removal.	Green Power Institute (GPI)_002_01	1	Green Power Institute (GPI)_002	002	Green Power Institute (GPI)	363
Clearance	Vegetation Management and Inspections	8.2.3.3	5/16/2023	There are approximately 40,000 HFTD and HFRA miles in PG&E service territory. PG&E performs inspection on all line miles within HFRA and HFTD areas. White PG&E does not have a program dedicated to enhance clearance, we are following the prescription in Ceneral Order 95, Rule 35 and our Distribution Standards which recommends a minimum 12-feet of clearance at time of trim in High Fire-Threat District (HFTD). PG&E also extends this minimum clearance recommendation to the work within HFRA.	Please provide the number of distribution line miles PG&E will perform trimming on to achieve enhanced clearances (> 12').	Green Power Institute (GPI)_002_Q2	2	Green Power Institute (GPI)_002	002	Green Power Institute (GPI)	364
Clearance	Vegetation Management and Inspections	ACI 23-19 Continued Progresion of Vegatation Management Maturity	4/5/2024	PG&E Goes not have any procedural guidance requiring interning beyond 12 feet on any program, including the Erhanced Vegetation Management (EVA) Program, which concluded at the end of 2022. PG&E follows the recommendation in General Codes (5), and the program of the PGA (1) of the PGA (1	Please provide the number of distribution line miles PG&E will perform trimming on to achieve enhanced clearances (>12).	Green Power Institute (GPI)_002_Q2REV	2REV	Green Power Institute (GPI)_002	002	Green Power Institute (GPI)	364
Wood and Slash Management	Vegetation Management and Inspections	8.23.2	5/16/2023	PG&E does not track vegetation management "wast" of data for all Vit programs. Vegetation management "vast" and the data is available for PG&E contracted way goods, which include used definit from various programs, and the Wilden Wood Management program. This data is not available prior to 2021. "2022 to 222 bits and the program of various programs of various way of the counter through PG&E contracted wood yards: "2021 to 15,033 bits and the programs of various way of the counter through PG&E contracted wood yards: "2021 to 15,033 bits and the programs of various way of of variou	Please provide any existing quantitative medics (e.g. kg, truckloads, etc.) on the total amount of vegetation medicage and version 2007—2007, and the ennual amounts that are disposed of all expeding formations, borness facilities, or other facilities.	Green Power Institute (GPI)_002_Q3	3	Green Power Institute (GPI)_002	002	Green Power Institute (GPI)	365
Wood and Slash Management	Vegetation Management and Inspections	8.2.3.2	5/16/2023	We do not track customer requests to retain woody biomass resulting from Vegetation Management activities.	Please provide the number of customer requests to retain woody biomass resulting from vegetation management activities on private property, state property, and federal property.	Green Power Institute (GPI)_002_Q4	4	Green Power Institute (GPI)_002	002	Green Power Institute (GPI)	366
Wood and Stash Management	Vegetation Management and Inspections	8.23.2	5/16/2023	The U.S. Forest Service (USFS), Bureau of Land Management (BLM), National Park Service (NPS), and California Stafe Paris (LSPS), here he authority for noise specific ordinary database management (BLM), notice of the properties for Vegetation Management work on heir lands. Severe public genetics, including USFS, Nave provider OSE site with the reposition for wood and debris management, which are included in our Land Management Agreements. In addition to written specifications, some agencies have provided OSE lies shariving locations where of debris man take removed. We communicate regularly with our agency parkers to badders any immediate questions, requests or concerns. We also hold comprehensive amand accordination meetings to be serve continuous improvement.	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.	Green Power Institute (GPI)_002_Q5	5	Green Power Institute (GPI)_002	002	Green Power Institute (GPI)	367
Protective Equipment and Device Settings	Grid Operations and Procedures	8.1.8.1.1	5/18/2023	"WMP-Discovery2023 DR, MGRA, 006-001Alch01.xiss" contains a new column called "DOutageD" that will align with the same outage identifier (ID) from DR1.	PGSE was requested to provide an Excel spreadtheet containing outage IDs. These were delivered with an Outage IDstally unrefaced to the DiCulage ID that it lists in its outage data provided as a result of DR1. Please provide the file sent in reponse to DR4-68 as soons as possible.	MGRA_Data Request No. 6_Q1	1	MGRA_Data Request No. 6	Data Request No. 6	MGRA	368
Protective Equipment and Device Settings	Grid Operations and Procedures	8.1.8.1.1	5/18/2023	"WMP-Discovery2023_DR_MGRA_006-0001Atch01.xtsx" contains a new column called "basic_cause" as requested.	Please add (or re-add) a simple "cause" attribute to this outage file.	MGRA_Data Request No. 6_Q2	2	MGRA_Data Request No. 6	Data Request No. 6	MGRA	369
Protective Equipment and Device Settings	Grid Operations and Procedures	8.1.8.1.1	5/18/2023	"WMP-Discovery2023_DR_MGRA_008-00014Arch01.xisx" includes both "basic_cause" and "DOutageID" for cross-referencing.	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.	MGRA_Data Request No. 6_Q3	3	MGRA_Data Request No. 6	Data Request No. 6	MGRA	370
Protective Equipment and Device Settings	Grid Operations and Procedures	8.1.8.1.1	5/18/2023	Not applicable.	If there are refusals 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.	MGRA_Data Request No. 6_Q4	4	MGRA_Data Request No. 6	Data Request No. 6	MGRA	371
	Vegetation Management and Inspections Vegetation Management and Inspections Grid Operations and Procedures Grid Operations and Procedures Grid Operations and Procedures	8232 8232 8232 81811 81811	5/16/2023 5/16/2023 5/18/2023 5/18/2023	possible. For these reasons, PGEE is unable to quantify how many distribution line miles are birmsed beyond 12 feet. These are approximately 20,000 HT DHFPA circuit miles within PGEE service. These are approximately 20,000 HT DHFPA circuit miles within PGEE service. The area approximately 20,000 HT DHFPA circuit miles within programs. Vegetation management "wasted" data is available for PGEE contracted wood yards, which include wood debris from various programs, and the witness within PGEE contracted wood yards, which include wood debris from various programs, and the witness witness witness which include wood debris from various programs, and the witness witnes	Please provide any existing quantitative metrics (e.g. kg, truckloads, etc.) on the total amount of vegelation management waster (or residuaes) produced each year from 2025—2022, and the annual amounts that are depoted of all recycling facilities, iteratins, blomase facilities, or other facilities. Please provide the number of outsioner requests to retain woody biomase resulting from vegetation management advillence on private property, state property, and feeting property. Please describe current agreements and any recent (2021-Present) communications with state and feeteral agencies regarding labels and slatesh management practices on state and feeteral lands, respectively. POSE was requested to provide an Excel spreadsheet containing outage IDs. These were delivered with an Outage/D totally unrelated to the DOUtage/D that it lists in its outage totals provided as a result of DR1. Please provide the file sent in response to IEM64 as soon as possible. Please add (or re-add) a simple "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 Doutage/D.	Green Power Institute (GPI)_002_Q4 Green Power Institute (GPI)_002_Q5 MGRA_Data Request No. 6_Q1 MGRA_Data Request No. 6_Q2 MGRA_Data Request No. 6_Q3	3 4 5 1 2 3	Green Power Institute (GPI)_002 Green Power Institute (GPI)_002 Green Power Institute (GPI)_002 MGRA_Data Request No. 6 MGRA_Data Request No. 6	002 Data Request No. 6 Data Request No. 6 Data Request No. 6	Green Power Inditute (GPI) Green Power Institute (GPI) MGRA MGRA MGRA	366 367 368 369 370

572	CPUC - SPD (Safety Policy Division)	005	CPUC - SPO (Safet Policy Division)_00	1	CPUC - SPD (Safely Policy Division)_005_Q1	1.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 VMPF (p. 340 and p. 969), to date as localizing feasibility feasibility of the control	It relates see the stooming states for average coas per ructus met or unsergrounding, state plant between base System Hardening undergrounding work and the rebuild work. All completed undergrounding crisis of methods and the rebuild work. All completed undergrounding crisis of methods are seen to the program of the state of the	6/12/2023	8122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
373	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safet Policy Division)_00	2	CPUC - SPD (Safety Policy Division)_005_02	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) # The utility uses a different format, provide internal documentation on that format so SPD can understand the cost estimate.	Please see the following lable for each cost component's estimated confribution to the float size of some seemant are confident on the confidence of the con	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 (Safet Policy Division)_00	3	CPUC - SPD (Safety Policy Division)_005_03	3.How is PGSE incorporating subsurface variability (e.g., encountering hard rock, slope, or other conditions presenting significant, physical obstacles) into undergrounding cost calculations? Provide an example.	PGAE recognizes that absurance variability contributes to undergrounding cost, but does not incorporate a specific subsurface variability factor into its portionic cost forecasts. For completed work, costs associated with subsurface variability are captured at the individual project level, which is incorporated into the surrange cost per mile of the portionic. PGAE development contributions are related to subsurface variability and how those issues can impact projects costs in PGAE Wildfrer Mitigation Plan-WHP-Discorpo/SDAP CodAfvicorates C22-0002	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 (Safet Policy Division)_00	4	CPUC - SPD (Safety Policy Division)_006_04	4.PC&E has stated that Califrans trench depth requirements exceeded PC&E trench depth requirements. How has this impacted costs and planning? For planning purposes, what perconsige of anticipated underground circularities will be impacted by the Califrans trench depth requirements for 2022-2025?	PGSE has not made change is to our per mile cost forecasts related to CalTrans trench depth requirement. Planning for CalTrans trench requirements in incorporated into individual project design paskages. To direct intellegation of the approximating 2700 circuit miles planned in the 2023-2026 Undergrounding Workplan (field with the 2023-2025 WMP). 204 circuit miles are on projects where PGSE has desirement with the CalTrans teach depth requirement are filely to apply with the properties of the project of the project desire of the proof desire of the pr	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 (Safet Policy Division)_00	5	CPUC - SPD (Safety Policy Division)_005_Q5	S.How does service life impact cost calculation?	regularments to each of these projects is subject to first divesting of alignment. PGAES undergrounding cost forecasts represent the capital costs to construct projects. Service life is not considered in these calculations, but is expected to be longer than overhead lines. PGAE's law opened that but undergrounding distribution lines, PGAE's long-term costs for operations and maintenance, vegetation management, and other admitted in the pGAE's long-term costs for operations and maintenance, vegetation management, and other admitted with direct expenses.	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 (Safet Policy Division)_00	6	CPUC - SPD (Safety Policy Division)_005_06	6. What is the estimated multiplier for conversion from overhead (OH) line to underground (UG) line (e.g., 1.25 Mile OH converts to 1.00 Mile UG)? a Bow was this conversion rate derived? b How was it established as the accepted/operating average for project planning purposes?	a. The original estimated conversion of overhead to underground mileage (1.25) was based on subject matter expersion. In Poli 2022, PGRE completed a manual review of 19 projects completed in 2022 to validate this estimate. In these 19 projects, we removed approximately 1/2 overhead miles and replaced them with 6.3 underground miles based on this subset of data, which is generally consistent with the estimated convenient rate for our overhead particular, the content on fact from the estimated convenient rate for our overhead particult, the convenient officer from the convenient of t	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 (Safet Policy Division)_00	7	CPUC - SPD (Safely Policy Division)_005_07	7.On pilot projects completed to date: a What is the total all-in coat per milet a What is the total all-in coat per milet a What is the total all-in coat per milet and to the coats, all the coats and the coats and the coats, all the coats, all the coats and the coats, all the coats, all the coats, all the coats, all the coats and the coats, all the coats, all the coats and the coats, all the coats and th	a. In 2019. PGAEF completed the politot projects to convent overhead primary conductor to undergound primary conductor. The total after no cast per mile for each pilot project is noted in the below table: 500.0719.500.0800.0719.0719.0719.0719.0719.0719.0719.07	6/12/2023	8122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
379	CPUC - SPD (Safety Policy Division)	006	CPUC - SPD (Safet Policy Division)_00	8	CPUC - SPD (Safety Policy Division)_005_Q8	B.Bease provide WMP-Discovery2023 DR_TURN_007-Q001Alch01CONF.xlsx, used to address TURN Data Request 7, Question 1, discussing RSE calculation for system hardening.	Please see "WMP-Discovery2023_DR_TURN_007-Q001Atch01CONF.xlsx."	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 (Safet Policy Division)_00	9	CPUC - SPD (Safety Policy Division)_005_09	8.On page 151 of the 2022-2025 WMP, PG&E states that the WDRM v3 (gnition source is "PG&E's Historical ignitions Data, 2015-2021 (sporoimately 2,500 CPUC-reportable ignitions and approximately 1500 non- reportable ignition is suiting the -1 300 non-CPUC-reportable ignition in size kin redesting. a Describe how PG&E's suiting the -1 300 non-CPUC-reportable ignition risk six functioning. a Describe how PG&E's country of the properties of t	The PGSE Historical Ignilinon Date described on page 151 of PGSE's WMP is used as the training data for the probability of pilition model gotinon for the WDRM v.f. For modeling, the date and time of the reported outage is used when available. The approximately 900 non-PCIVE operabile pilition used in the development of the WDRM vis provided in "WMM-Discoverp0222_DR SPD_005. GOSHADOT Just." This information has been aligned with the format used for the CPUC reportable spiritions. In some cases, not all data is available for these additional non-reportable spiritions.	6/12/2023	Significant Updates to Risk Models (WDRM v4 & WTRM v2)	Risk Methodology and Assessment	Risk and Risk Component Identification

381	CPUC - SPD (Safety Policy Division)	006	CPUC - SPD (Safety Policy Division)_000	1	CPUC - SPD (Safely Policy Division)_006_Q1	1.After It was pointed out by SPD that there appeared to be a discrepancy in the methodologies used to calculate the risk mitigation effectiveness of EPSS, Undergrounding and Covered Conductor (CC), PGEE stated that CC is probably the most harder mitigation effectiveness based on empirical data and cross maker mitigation state of the probability collaboration, EPSS is the second most as it is based on empirical data and cross maker mitigation of the probability of	PGSE notes that the calculation of risk mitigation effectiveness can be computed in various ways, and basing different approaches to calculate effectiveness for different candidation of the candidation for consistent approaches to calculate effectiveness for different calculation for convention of the candidation for convention expensive properties of the candidation for convention expensive properties and candidation for convention expensive properties and expensive properties of the candidation of th	5/22/2023	8.1.8.1.1	Grid Design, Operations, and Maintenance	Protective Equipment and Device Bellings
382	CPUC - SPD (Safety Policy Division)	006	CPUC - SPD (Sufety Policy Division)_000	2	CPUC - SPD (Safely Policy Division)_006_02	2.PG&E assented that PG&E is addressing the risk from secondary lines and service drops in part via replacing the secondary with covered winds conductor and breakway connections at service drops (see PG&E response to Caustion 4.b of SEP, DG&E assession). PG&E also salted that there may need to be a messaging update because the 95% milligation effectiveness is only meant to apply to primary lines not their entire wildler insk. SERVICE of the property of the	a. As discussed during a staff meeting with SPO on May 3, 2023, PG&E currently states in ratinging online, the PG&E verticals, and in customer materials that *Placing states in the property of the property	5/22/2023	8.122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
383	CPUC - SPD (Safely Policy Division)	007	CPUC - SPD (Safety Policy Division)_007	1	CPUC - SPD (Safely Policy Division)_007_Q1	1.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?	The CONFIDENTIAL attachments are being provided pursuant to the accompanying confidentiality decidantion. Please refer to Table 18 – Primary Aluminum ACSR and Copper (ALPT EVW (Figure 10) 11 (1) (1) (1) (1) (1) (1) (1) (1) (1)	5/18/2023	8.1.2.1	Grid Design and System Hardening	Covered Conductor Installation — Distribution
384	CES	006	OEIS_006	1	OES_006_Q1	Regarding PGAE's response to GES DR 2 Question 10, Alfachment 1: a Explain the difference between a Field Safety Reassessment and a Planned Field Safety Reassessment. b. In what instances would PGAE extend a work order due date through a Field Safety Reassessment? Provide all appointing documentation and criteria, including any procedures and inspection products demonstrating decision— c. In what instances would a Safendaria Change lead to extending a work order due date? Provide all supporting documentation and criteria, including any procedures and inspection protocols demonstrating decision—and commentation of critical provides and procedure and inspection protocols demonstrating decision—and provides and provides and provides of provides and provides and improved in the provides and provides and provides a sea in Column? Places for reinspection (if applicable)? a PGAE floutided three Priority A level work orders within the tab babeled "Table 13 — Open". b. Provide 8 to work order documentations associated with each of these lags (s. Electric Corrective notification). A de these lags still open't i'nd, provide the respective completion date for when each flag was closed, as (1. Within non-HFT). L. Polinia The L. Polinia Change and the projects in which the 13 closed work orders were associated with, including details on the associated miligation being used. It is provide a list of the projects in which the 2 down forders were associated with, including details on the associated miligation being used. Regarding PGAES agrition man Actifications; Regarding PGAES agrition man Actifications (explained to the proper of the projects in which the categorization of polinia in skills get planning for the firm of correction based on brown risk).	COOL-MACROCOME peril	5/23/2023	81.7	Open Work Orders	N/A
385	OEIS	006	OEIS_006	2	OEIS_006_Q2	Regulating PSAE's Other Data Requests: a Provide the Brothing confidential attachments from CslAdvocates Data Requests: i. Attachment 1 in response to Data Request 19 Casation 13. a. Ratchment 1 in response to Data Request 21 Casation 3. b. Provide the Brothing Confidential Action 15. b. Provide the Brothing confidential attachments from TURN Data Requests: i. Ratchment 1 in response to Data Request 4 Cuestion 1. ii. Attachment 1 in response to Data Request 7 Casation 3. a. Ratchment 1 in response to Data Request 7 Casation 3. c. Attachment 1 in response to Data Request 7 Casation 3. v. Attachment 1 in response to Data Request 7 Casation 3. v. Attachment 1 in response to Data Request 10 Casation 3. v. Attachment 1 in response to Data Request 10 Casation 7. v. Attachment 1 in response to Data Request 10 Casation 7.	The CONFIGNTNL attractments are being provided pursuant to the accompanying condestination declaration. a. Please see "WMP-Discovery, PR, CES 006-002Ab401CON" 30" for the requested condestinal attractments provided to Cal Mancades. b. Please see "WMP-Discovery, DR, CES 006-002Ab402CON" 30" for the requested conditional attractments provided to TURN.	5/23/2023	N/A	N/A	N/A
386	OEIS	008	OEIS_006	3	OEIS_006_Q3	Regarding PGAE's response to TURN's Data Request 7, Question 3. A For each of the circuit segments listed in part (b), provide the following via Excet: I.WFE soc. I.WFE soc. II. SVRSE II. Feasibility scores V. V 3 risk score VI. V 7 risk score VII. V 7 risk score VIII. V 7 risk score VIII. V 7 risk ranking VIII. PGAE's plans to mitigate risk, including mitigation type(s) II. W 1 vertic) of mitigation implementation, as applicable.	Please see attlachment "WMF-Discovery/0023_DR_CBES_006_00034e/bit Jack" for the requested circuit segment destall. Please note the following: 1- These are differences between the WDENN V2 and the WDENN V3 and va, as a result, these are the recinctle segments but have not find score but do not have a V2 risk. 1- The SWRSE and the WTE Socre are the same as described on page 666 of the WMF. 1- the by revious TURN response, CAMP EVERS 21018EJ.101 was referenced scorrectly and the their corrected for CAMP EVERS 21018EJ.101. Values the control of the control of the CAMP EVERS 21018EJ.101. In the previous TURN response, CAMP EVERS 21018EJ.101. Values the control of the CAMP EVERS 21018EJ.101. Values that the CAMP EVERS 21018EJ.1018	5/23/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution

387	ŒS	007	OEIS_007	1 OES_007_01	Li. Twograming derivates provides to consoners our to 1976 and waters emergencies in in Section 8.4.6, the indent of services PGGE provides to actioners due to PSPS and wildfire emergencies is unclear. Describe PGGEs tall scope of services for each services listed (a, b. c, dc.) below as it firsted to PSPS in unclear. Describe PGGEs tall scope of services for each service listed (a, b. c, dc.) below as it firsted to PSPS address the question under each listed service. If service is provided due to a regulation reference the speciment of the provided of the provided due to provide due to the provided of the provided of the provided due to provide due to provide due to the provided due to provide due to provide due to the provided due to provide due to the provided due to provide due to the provided due to provide due to provi	program for utility customers. The trigger to implement the programs is an investigation of the program of the	5/30/2023	8.4.6	Emergency Proparedness	Customer Support in Wildfire and PSPS Emergencies
388	OEIS	008	OEIS_008	1 OEIS_908_Q1	Regarding Vagetation Management Chjestores in skale 872 d*PGER's 2020-2005 WMP, it states that one of its objectives is to "Determine value of a multi-year Institution for each data of this set be gathered for each of the sound on what is meant by "a multi-year historical tree data set". a. Expand on what is meant by "a multi-year historical tree data set". b. How might be data for this set be gathered? (e.g., inspection reports, remote sensing, etc.) c. Would this data set be like SCE and SGG&E's tree inventiones?	historical inspection. The bree specific data can also improve remote sensing data or codage tend on one broatly, discense failure patients and the species level. The code of the code	5/31/2023	8.2225	Vegetation Management and Inspections	Focused Tree Inspections
389	OEIS	008	OEIS_008	2 CEIS_008_02	Regarding Undergrounding Workplain Targets a. Explain why PG&E has reduced undergrounding targets provided within its workplain when comparing PG&E is 2022 WMEN to the 2022-2022 WWW. 2022 WW	undergrounding plan will evolve in light of: (1) the organia work and learnings from	5/31/2023	8.12.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
390	ŒS	008	OEIS_008	3 CEIS_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 for PGAE's find rate for distribution overhead (CPI) detailed and pairol inspections in the label below. Please not beth sinspections are not everly distributed by quarter, no PGAE's has also provided the annual first rate for each respection type. Find rate are counted by unique notifications, so in some cases more than one notification is present for a single situative. Find rates are controlled by unique notifications, so in some cases more than one notification is present for a single situative. Find rates for one find souther only without place to the provided of the p	6/5/2023	8.1.3.2	Asset hispections	Distribution Asset Inspections

391	CEIS	008	OEIS_008	4	OEIS_068_Q4	Regarding PGAE's response to TURN OR 10 Cusestion 4 a. Provide Althorismet 4 with the following additional columns: i. Longin for line (m) ii. Longin for line (m) iii. Longin for line (m) iii. V. Tilisk Rank b. If not included above, provide the V3 risk rank for the following CPZs, and explain why they are not included in the above. iii. SIGREN VALEY 2010 11064 iii. GREEN VALEY 2010 11064 iii. GREEN VALEY 2010 11064 iii. GREEN VALEY 2010 11064 iv. GREEN VALEY 1010 11066 iv. GREEN VALEY 1010 11066 iv. GREEN VALEY 1010 11066 iv. MARSON 1010 100600000000000000000000000000000	a. Please see attachment "WMN-Discovery 0003. DR. OES 009-0004Act-01 stor" for the required supdate. Length of line (re), 3V Maker Risk Score, V31 Total Risk Score, and V1 Risk Rank can be found for clonume F-I, respectively. Length of line (m) is represented by the field unhardemed overhead high file (HFTD + HFRA) miles, as the original date required required for HFTD and HFRA count segments. The original state of the contract of the risk of the respective of the risk	5/31/2023	Appendix D	Areas for Continued Improvement	ACI PGSE-22-34 - Revise Process of Prioritizing Wildfire Mitgations
392	CPUC - SPD (Safety Policy Division)	008	CPUC - SPD (Safety Policy Division)_008	1REV	CPUC - SPD (Safety Policy Division)_008_Q1RE	SPO appreciates the timely response and provision of lignificon data as requested, via "WMF- Discovery(202 SI SPO 00-4000 Michol"). However, it appears the data in Column U ("Dulage Date") and V V ("Outlage Time") were provided in an incorrect forms for rows beyond row 469. PG&E needs to resulamit the data with correct oblaged alse after initroduction. Please provide a corrected data file with rows beyond row 469 in the correct formsts. (U as data formst, V as time formst, Rows 1-469 of the spreadsheet are in the correct formst. Provide correction in the generative and resulamit.	Please see "WMP-Discovery2023_DR_SPD_068-0001Alch01.xisu" for the updated spreadsheet with the requested corrections to columns U and V.	5/31/2023	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	OD1. Regarding PG&E's Secondary and Service Lines at What percentage of PG&E's expeed 2023-2026 undergrounding projects have associated secondary or service lines? What is the mileage of such ines? What is the mileage of such ines? What is the mileage of such ines? What is the not of undergrounding mileage to secondary or service lines for PG&E's scoped 2023-2026 undergrounding projects? (i.e. for every mile of line undergrounded, how many miles of secondary or service lines remain)	a. Most. If not all, of PG&E's undergrounding projects have associated secondary and service fines because our customers are served finesy the brose fillidiary. PG&E's GS system does not accurately represent all secondary and service conductors in such a way that we could calculate the milliage of secondary and service conductor where the service conductor milliage in GS. - Desease see the response to subpair (or blown Currently, PG&E is planning to only underground secondary and service where it is adjacent to the existing primary literath and depending on where the new part-currently territories is installed. - Remaining secondary and services with a thurdwest by replacing open-wise the first primary in the service of the services of the s	6/6/2023	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
394	CPUC - SPD (Safely Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	1	CPUC - SPD (Safety Policy Division)_009_Q1	1) on pages 345-347, of the 2020 WHILP POSAE discusses to finit reduction from undergrounding work and distinct the plan will allow POSAE along this reduction in the highest wildfine risk extends experimentally 18 percent of seising wildfine risk the series of 2020. *Please also rate and show how POSAE calculates 18 percent in widther risk reduction serving work and 2020. *Please also rate and show how POSAE calculates 18 percent a Whitch year bearing of risk did POSAE sear? b. How much nisk reduction was assumed for each year? d. What can eventuate of serving was risk reduction and another version used for other year(s)? e.Was any other model used to calculate risk reduction and if so, how?	Control of the Contro	6/8/2023	8.12	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
395	CPUC - SPD (Safely Policy Division)	009	CPUC - SPO (Safety Policy Division)_500	2	CPUC - SPD (Safety Policy Division)_009_02	2/On page 645 of the 2023 WMM PGSAE states there has been a "Reduced size and duration of PSPS events" and claims "This is an indicator of increased operations maturity, flexibility, and system realisence." as it but claim directed lowed PSPS" bit bys, is it not at least in part or perhaps implied, that PGSEs increased operational maturity, flexibility, and realisence is also relying on other processes such as EPSS (flast trap)?	D. No. EPSS operates independently of EPS and is based on different criteria and thresholds designed to miligiale hazards and thresholds seem to the control of the control	6/8/2023	9.12	Public Safety Power Shutoff	Mentification of Prequently De-Energized Circuits
396	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	3	CPUC - SPD (Safety Policy Division)_009_Q3	SIPGSE has less than the required number of personnel with required training for several categories in Table 5- 39: PGSEs Personnel Training Programs for Wildfer and PSPS Events. Other tables related to staffing inclicate if for example, at Staffing will complete braining on time and reasons for rotal tables completed in the timing of table's required provision. Why are there less than required values of personnel not completing the training?	PLASE. In a conditation of a confidence of more personned in the Emergency Operations Center (EDCL), As such we see all virsions large of training completion. In addition, offerent positions within the EDC require different levels of training. Some of the courses all the more advanced level are instructor lead and offerent garrierly. PCASE is increasing the number of instructors this year to be able to increase these offerings in 2004.	6/8/2023	8.1.8.3	Grid Operations and Procedures	Personnel Work Procedures and Training in Conditions of Elevated Fire Risk

367	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	4 CPUC - SPD (Safety Policy Division)_009_Q4	appace provides means to verifymessage receipt in Table 8-80. PostEs Products for Emergency Communication to Stakeholder Groups. Now accusted as this receipt information with regard to verifying message are reacting intended recipienthesident to ad in intended safely outcomes (e.g., including, but not limited to, messages not being sent to a new number or persons no longer in the household!)?	In Case I as able to verify that an reseasage was delivered to the phone number and/or email address on life for the customer of record associated with the premise identified as impacted by a potential PSPSE_PSES outsige, and/or outsige due to a widtler. Protree in the protein protree is the protree of th	6/8/2023	8.4.4.1	Emergency Preparedness	Protocols for Emergency Communications
368	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	5 CPUC - SPD (Safety Policy Division)_009_05	SIPCRE (leases indifficultions to AFNAMI resepayers. How does PGRE know that these notifications are received and that contest information is so to date." A Does PGRE have any to confinuosity/biertoricality verify that the contact information on file is current to help ensure such important notices are being received by the infended recipients?	Our MEL and SW catcherers are ent annual communication offer by email or a posteroid (if a media address is not provided by the customer by Seven March and August. to reinforce the importance of traving up-to-date contact information on file and encourage them to provide an internative news of contact for PSP confidentions. MEL and the contact information on file and encourage them to provide on items where the contact information or MEL and the contact information or when it is provided to a PSEA. Engresentative. Requests to charge contact information or he authentic viru miggle channels. Requests to charge contact information or he authentic viru miggle channels. Requests to charge contact information or he authentic viru miggle channels. Requests to charge contact information can be changed by contactner viru our website, which updates our systems of record directly. To Quality Assure and Quality Control (QACQ) to MEL and SN vacious contact information is not contact information or contact information contact information contact information contact information contact information is not only to the contact information is not contact information in our Customer Case and Billing System (CASE). Additionally, we cross reference contact information submitted morphs or other program applications (e.g., CAREPERA and rebates) to run a daily sync between our Salesforce Application (used information is correct. CAREPERA and rebates) for medical baseline costomer as "received" fore of the following occurs. Columner asserts the place, led confirmed in sourced business of the contact information is correct.	6/8/2023	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 Policy Division)_009_08	6)PCAE mentions pre-pandemic in-person engagement. Doss PCAE have data comparing pre-pandemic engagement to pandemic territoria engagement entits and among other things, attendance? For instance, are there metriculdata regarding non-APNMB and APNMB?	For community events and gauging levels of customer attendence/interest_POSE does not have specificor on customer demorphism in terms of who anthoris our Virtual webers and town half events. Registration is optional, and we find the majority of another and town half events. Registration is optional, and we find the majority of another and the property of the second of the secon	6/8/2023	853	Community Outreach and Engagement	Engagement With Access and Functional Needle Populations
400	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	7 CPUC - SPD (Safety Policy Division)_003_07	7)PG&E states that if an APN customer does not answer the door, the notification is considered successful if a door hanger is left. What industry policypractice is PG&E following that classifies a door hanger as a successful notification?	During PEPS event, reducid baselier customers receive automated calls, text and e intails at the same intervals as the general customer redication. In addition, these customers receive repeat automated calls and texts at hourly intervals until the customers receive repeat after more than the period of the redication of the period of the redication of the period of the redication of the r	6/8/2023	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
405	CaiPA	Set WMP-26	CalPA_Set WMP-26	1 CalPA_Set WMP-28_Q1	(a) Please describe your general process or strategy for developing load forecasts. (b) Do you have a written process or procedure for developing load forecasts? (c) If the answer lo (b) 1 "yes", provide a cop; (d) If the answer lo (b) 1 "no", explain vely not.	a) Texas and VINT-Discovery 2003. IRT. Californicals: ISS 500146/d1 for a secretion of an Existinct Process. The discovery secretion of an Existing Process and Project Exist Process. The discovery and California of California California of California California of Cal	8/10/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
408	CaIPA	Set WMP-26	CalPA_Set WMP-26	2 CaPA_Set WMP-26_Q2	(a) Do you consider load growth projections when you determine which system hardering measures to deploy for white minigation purposes? (b) If the answer to (a) is "yes", explain how load growth projects influence your miligation selection process. (c) If the answer to (a) is "not", explain why not.	a) No. The choice of which system hardening measures is deployed for widthe miligation purposes is not influenced by perhiculation (and growth projects in an area.) 3. System hardening measures are selected based on wildlifer risk and ignition risk miligation needs, not loading; However, any loading concerns (including load growth projections) are addressed during the system hardening project scoping and design praises, such as the application of new marriers celeloconductor, additional charges of the system hardening or additional charges of the system of the system hardening or dedictional charges.	8/10/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
407	CaPA	Set WMP-26	CalPA_Set WMP-26	3 CalPA_Set WMP-28_Q3	(a) When you plan system hardening projects for wildfire mitigation purposes, do you design projects to (b) if yes, what despise of load growth do you design for? (c) Describe your process for incorporating forecasted load growth into the design of system hardening projects (for instance, which scenarios of possible load growth are considered).	a) Yes, when we plan system hardening projects for wildline miligation purposes the topogo and design of the project may be influenced by forecastic doug growth. 1) The design tables into account a 15-year substation treatment and delibration of the project of	8/10/2023	8.122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution

408	CaPA	Set WMP-26	CalPA_Set WMP-26	4 CaPA_Set WMP-28_Q4	(a) in a typical bare conductor to covered conductor conversion project, is the intention to maintain, increase, or decrease the load capacity at peak operating temperatures? (b) Explain the reasoning for your response to part (a).	any in the research sensits contensing users consistently reconstruction to sowere construction. It is a consistent with a consistent with the construction of the con	8/10/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
409	CaiPA	Set WMP-26	CalPA_Set WMP-26	5 CalPA_Set WMP-28_Q5	(a) Are all new covered conductor installation projects designed to accommodate loads greater than current capacity for the same circuit? (b) if the answer to (a) is "yes", explain how, (c) if the answer to (a) is "ros", explain why not.	 a) in general, new covered conductor systems are designed to accommodate forecassible grown in an area, where supplicit, and for operational opacity requirements to support switching and regular maintenance. However, not all areas are forecassible or grown gripe additional capacity for regular or emergency loads. b) Please see our response to subpart (a). c) Please see our response to subpart (a). 	8/10/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
410	CaiPA	Set WMP-26	CalPA_Set WMP-26	6 CalPA_Set WMP-26_Q6	(a) Are all overhead to underground conductor conversion projects designed to accommodate loads greater than current capacity for the same circuit? (b) if the answer to (a) is "yes", explain how, (c) if the answer to (a) is "yes", explain how, the properties of t	 a) in general, new underground systems are designed to accommodate forecasted growth in an area, where applicable, as well as for operational capacity requirements to support switching and regular maintenance. However, not all areas are forecasted to require additional capacity for regular or emergency loads. b) Flease see our reasones to subcont (a). 	8/10/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
411	CalPA	Set WMP-26	CalPA_Set WMP-26	7 CalPA_Set WMP-26_Q7	Describe the challenges or advantages entailed in increasing load capacity on a dircuit that has previously been hardened with covered conductor.	ci Please see our resconse to subcart (a). There are no significant differences to increasing load capacity on a circuit that has been hardened with covered conductor as compared to one that has not been hardened; it each one, the systems' students and components will have to be replaced as required to support larger conductor or an additional underbuilt circuit. It is not to be a support to support the productor of an additional underbuilt circuit. It is not to be considered to support the careful will be a support for careful for several to a form of the considered or new load growth not be require physical system changes on a hardened system if it was already supported to support for careful for constit.	8/10/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
412	CaPA	Set WMP-26	CalPA_Set WMP-28	8 CaPA_Set WMP-26_Q8	Describe the challenges or advantages entailed in increasing load capacity on a dircuit that has previously been hardened with underground conductor.	The challenges or advantages associated with increasing capacitity on an underground electric distribution system will differ depending on whether the underground system was built recently or in the past under different engineering and design standards. In the control of the	8/10/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
413	СаРА	Set WMP-26	CalPA_Set WMP-26	9	Provide a list of all circuits in your system. For each circuit, provide: (s) Circuit ID Number (s) Circuit ID Number (c) Circuit Capacity in Amperes	The dischment b the response contains confidential material and is provided presurant to the accompanying confidentially declaration. In this response, PCBE provides the requested data for the distribution circuits in our system. As greed to, we glin to supplement this response with washable data for the stremments circuits by Thursday, Anguel 24, 2022. In the control of th	8/17/2023	8.12.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
413	CaPA	Set WMP-26	CalPA_Set WMP-26	9SUPP CaPA_Set WWP-26_Q8SUPP	Privatés a list of all circults in your system. For each circuit, provide: (a) Crealt D Number (b) Peak load in Amperes observed since January 1, 2014. (c) Circuit Capacity in Amperes	The control of the co	8/24/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution

414	CaIPA	Set WMP-26	CalPA_Set 1	WMP-26	10	CalPA_Set WMP-26_Q10	Provide updated GIS layers of primary distribution, secondary distribution, and transmission lines, with the following attributes: (a) Crecuit Drivenber (c) Control Drivenber (c) Control Drivenber (c) Control Control Con	The attractment to this response contains confidential material and is provided pursuant to the accompanying confidentially declaration. Please refer to "WMP-Discovery0223_DR, Cal4Avioration_202-0010Activi1CO/Dr.zigo" for the requested Cal statisticular for our primary distribution system. Line section articular may include additional circular not shown in the response to DOOS. The list of circular in COOP includes only those circular but and such account and the distribution circular in COOP includes only those circular but are statistically and the distribution circular includes a control of the control of the control of the control of the control of the Please nets. this attachment contains confidential information. Also, we do not model the secondary distribution system, nor record secondary distribution loading, As agreed to, POSE will provide a response to the portion of this request relating to transmission lines in a subsequent response by Turnstale, August 28th.	8/17/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
414	CalPA	Set WMP-26	CalPA_Set 1	WMP-26	10SUPP	CalPA_Set WMP-26_Q10SUPP	Provide updated GIS layers of primary distribution, secondary distribution, and transmission lines, with the following attribute: (b) Presix load in Amperes observed since January 1, 2014. (c) Circuit Capacity in Amperes	The attachment to this response contains confidential material and is provided pursuant to the accommanying confidentially declaration. Please refer to "WMP-Discovery 2002. D.R. Cald-viccates 2006. Please refer to "WMP-Discovery 2002. D.R. Cald-viccates 2006. The standard of the standard and the standard an	8/24/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
415	CalPA	Set WMP-27	CalPA_Set \	WMP-27	1	CalPA_Set WMP-27_Q1	The article states the following: The article states the following: The California utility company PGSEs spent about \$2.5 billion on a yearsiong effort aimed at reducing widdire risk by cutting or clearing more than a million frees growing alongside power lines.3 It was spit that was taken play indicated and is administed by program, according to an internal analysis teretimed by the Wall Street Journal and interviews with utility cerecutives. 3 DIS PGES provides an internal analysis to the Wall Street Journal and described in the article? 5) If the answer to part (p) is yes, please provide a copy of the internal analysis often the article. 6) If the answer to part (p) is yes, please provide a copy of the internal analysis to the Wall Street Journal and Street St) PGAE did not say that the work was largely ineffective. PCAE provided the foliowing materials to WSJ: however, PGAE does not know hey were used by WSJ. Please see attachment "WMP. Discovery/2023 PR. CaldAncoises (27, CO014Ab01"). b) Please see part (a). c) The materials were shared on July 25, 2023. d) Not applicable. e) Please see part (a).	8/18/2023	8.222.5	Vegetation Management and Inspections	Focused Tree Inspections
416	CaIPA	Set WMP-27	CalPA_Set \	WMP-27	2	CalPA_Set WMP-27_G2	The article states the following: The california utility company PGAE spent about \$2.5 billion on a yearstong effort aimed at reducing widthe risk by cutting or desiring more than an million trees growing along side power lines. It now says that work was largely ineffective and is eliminating the program, according to an internal analysis reviewed by the VMS Steed, bournal of an interviewed by the years. VMS seed, bournal analysis reviewed by the VMS Steed Journal as described in the article. b) For each executive Said on part (a), provide the date or dates the interview occurred. c) For each executive Island in part (a), provide the date or dates the interview occurred. c) For each executive Island in part (a), provide the date or dates the interview occurred.	PGGE did not say that the work was largely ineffective. PGGE provided the following materials in VIS. Nower: PGGE does not how how they were used by WIS. Please see attachment "VMP-Discovery/GZGDR, DR. GaldAocaties (027-Q001/Abr01 m.de". a) The following PGGE executives were interviewed by the WIS bleest Journal: -Sumeet Singh, PGGE Executive Vice President, Operations and Chief Operations Green (PGGE) (8/18/2023	82225	Vegetation Management and Inspections	Focused Tree Inspections
417	CalPA	Set WMP-27	CalPA_Set1	WMP-27	3	CalPA_Set WMP-27_Q3	The article states the following: [PGSE] now says that work was largely ineffective and is eliminating the program, according to an internal analysis reviewed by The Wall Silvest Journal and interviews with utility executives. [Psisse reviewed by The Wall Silvest Journal and interviews with utility executives.] [Psisse review has the meant by the statement quoted above that the work described in the article was Targely self-ency.] [Psisse quantity Targely Ineffective.]	a) PCBC did not say that the sen's was interply indefentive PCAES provided the blookingty materials of VISA (however, PCBC does not follow not be fey were used by VISA I PRO an additional VISA (NAME Association of VISA (NAME Association of VISA) (PCBC and VISA) (PCBC	8/18/2023	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
418	CSPA	Set WMP-27	CalPA_Set \	WMP-27	4	CaIPA_Set WMP-27_Q4	The article states the following: The California utility giant says the program, which involved creating wide spaces between live wires and potentially hazarosis trees, resulted in a 15% reduction in ignitions during periods when fire risk is highest, typically in autumn, according to the company's internal analysis. Measured across and all year, the work resulted in a 7% reduction in ignition. a) Please provide the analysis and data to support the 13% reduction in ignitions during periods when fire risk was highest. b) Please provide the analysis and data to support the 7% reduction in ignitions across a full year.	conception for the General Rate Case. This analysis refector to use of year Tourid ignition data, however, historical consequent for the General Rate Case. This analysis refector to use of year Tourid ignition data, however, historical consequential fire occur during the autumn and are reflected in the contribution to the risk. For the purposes of this degree, the Case Summarized the analysis in autumn of the contribution	8/18/2023	82225	Vegetation Management and Inspections	Focused Tree inspections
419	CaIPA	Set WMP-27	CalPA_Set 1	WMP-27	5	CalPA_Set WMP-27_Q5	In response to data request CaliAdvocates-PGE-0229/MP-14, question 8, on April 17, 2023. PGBE stated that it expected to complete the Solutation Animal Abatement Effectiveness Study by July 18, 2023. 3) Has PGBE completed the Substation Animal Abatement Effectiveness Study. 5) If the animal to part [a] is yes, please provide a copy of any reports or other output from the Substation Animal Abatement Effectiveness Study. (c) If the animal to part [a] is no, please state when PGBE currently expects to complete the Substation Animal Abatement Effectiveness Study.	a) We have not yet completed our Substitation Animal Abatement Effectiveness Study in partnership with Electric Power Research Institute (EPRI). b) Not applicable. c) The EPRI study will incorporate industry benchmark data, which is taking longer than expected. Completion is expected by 01 of 2024.	8/18/2023	8.1.2.12.2	Grid Design and System Hardening	Other Technologies and Systems – Substation Animal Abatement
420	СаРА	Set WMP-27	CalPA_Set 1	WMP-27	6	CalPA_Set WMP-27_Q6	Interportie to data request TURN-PCEES, question 2, or April 10, 2002, PCEE stated the bioinviery. Additionally, we en in he process of instituting a study that is planned to be completed by Jame 30, 2002. The study will assess the recorded reliability improvements at locations that have been undergrounded and/or have been handered with covered conduction. a) Nea PCEE completed the study described allower? b) If the armover to part (a) is yes, been provide a copy of any reports or other cutput from the study described above.	a) We have not yet completed the above referenced study. c) PGSE currently expects to complete the study in October 2023.	8/18/2023	N/A	NA	N/A
421	CalPA	Set WMP-27	CalPA_Set	WMP-27	7	CalPA_Set WMP-27_Q7	Please provide a copy of PG&E's 2022 Annual Electric Reliability Report. This should be similar to the documents provided to TURN in response to TURN-PG&E-3, question 2, on April 10, 2023.	Please see "WMP-Discovery2023_DR_CalAdvocates_027-Q007Alch01.pdf" for a copy of our 2022 Annual Electric Reliability Report.	8/18/2023	N/A	N/A	N/A

422	CaPA	Set WMP-28	CalPA_Set WMP-28	1 CaPA_Set WMP-28_Q1	RN.PCAE-23.02 Page 35 of PCAE's response states, "PCAE' is currently working to integrate QC with our execution processes to drive quality during initial work execution." 3) Describe how PCAE's will integrate QC with execution processes. 5) Describe how PCAE's will integrate QC with execution processes. 5) Describe how PCAE's will integrate QC with execution processes. 6) Describe how PCAE's will integrate QC with execution processes. 6) Describe how PCAE's will respect to the processes of the integrated with execution will be integrated with execution processes—for a detailed distribution inspection. As specified in the previous part close/tible processes from strong processes—for a detailed distribution impection. As specified in the previous part close/tible processes from strong processes. 6) Describe how PCAE's with the processes will be processed to the procession of the previous part closeful the procession will be processed. The procession will be processed to the procession of the processi	o QA performs statistical sampling of QC completed locations per the 95% confidence and 5% margin of error criteria described in the WMP; t o QA suditors perform the field audits as identified during the sampling process:	8/15/2023	8.1.6	Quality Assurance and Quality Certrol	N/A
423	CaiPA	Set WMP-28	CaIPA_Set WMP-28	2 CalPA_Set WMP-28_Q2	RN-PGEZ-302 Paga 3.6 i PGEE; response states, "PGEE is currently working to integrate QC with our execution processes to all paga 3.6 in PGEE; response states, and the processes to all powers of the process of the process (which was previously traded as a QC pass ratify? D) What medica or measures will PGEE use to identify a possible downward tend in the quality of asset inspection work.	a) The quality of asset inspection work is bring tracked by using data on OC failures to inform dashboards and pleas withing live stability live opportunities or improvement in initial work execution, driving quality at the source. Where applicable, PGSE will also continue to but OC pleas rates as we have done periously, in pleas which are reviewed with statemolers to formulate data of river plans of additiv. Where applicable, PGSE vii also continue to but of viii also continue to travel OC pass rates.	8/15/2023	8.1.6	Quality Assurance and Quality Control	N/A
424	CalPA	Set WMP-28	CaIPA_Set WMP-28	3 CaIPA_Set WMP-28_Q3	RN-PGAE-33 02 Table 8-7-1 (Revised) on page 35 of PGAE's response states that PGAE will perform field QA audits on 500 transmission beatines and 1500 distribution localization. The properties of the properties	A) All OA add to control on we outcome from completed CG ground or deathop assist locations. Birth ground and deathop CG ordison have an equal but microm statehood of appearing in the CG sample. Due to the modern makes of the sampling, which is a simple of the sample of the sample of the sample of the sample of the sampling, which may appear in the CG sample. b) Please see the response to subpart (a) for an explanation of how destroution sources are considered as the control of t	8/15/2023	8.1.6	Quality Assurance and Quality Control	N/A
425	CaPA	Set WMP-28	CalPA_Set WMP-28	4 CaPA_Set WMP-28_O4	RN-PCAE-23-02 Table RN-PCAE-23-02-1 on page 36 of PCAE's response shows higher QC pass rates in 2023 (as of July 25, 2023) than in 2022. 3 for each of the four QC categories displayed in Table RN-PCAE-23-02-1, provide the sample size (as both a number and percentage of total) that has undergone QC in 2023 as of July 25, 2023. Support and percentage of total) that the undergone QC in 2023 as of July 25, 2023. Support and percentage of total in at the properties of the QC process, different personnelicontractors, etc.	Internation Totalion. Transcription of Total Control	8/15/2023	8.1.6	Quality Assurance and Quality Control	N/A.
426	CaPA	Set WMP-28	CalPA_Set WMP-28	5 CaIPA_Set WMP-28_QS	PNLPCSE-20-20: PNLPCSE-20-20:	a) By pushing Cuality Content Colorer in the work and marking sestings personnel to address and militage lesses feather, we all nearmer that less some stampling of locations through CC will need to occur and issues will be identified up front. This SCO million efficiency is a forecast based on the savings we endique through profit of the stampling of the stampl	8/15/2023	8.1.6	Quality Assurance and Quality Control	N/A
427	CalPA	Set WMP-28	CalPA_Set WMP-28	6 CalPA_Set WMP-28_Q6	RN-PGAE-23.02 Table 9.1-9. [Revised] on page 37 of PGAE's response states that: +28.51 distribution locations underwest field QA audits in 2022, and +28.51 distribution locations underwest field QA audits in 2022, and +25.00 distribution locations in the HFTDs will undergo field QA audits in 2023. Given that approximately one third of PGAE's overhead distribution lines are in the HFTDs (per Table 5.2 in FGAE's 2023-2025 WIMP, please explain why the proposed audit sample size in 2023 is approximately one tenth of the actual audit sample size in 2022.		8/15/2023	8.1.6	Quality Assurance and Quality Control	N/A
428	CaPA	Set WMP-28	CaiPA_Set WMP-28	7 CaPA_Set WMP-28_Q7	NAPPER 25.03 response stales. The liabilitod of experiencing an extended outage (i.e., an outage of 12 Payes of MPGEE stales stales. The liabilitod of experiencing an extended outage (i.e., an outage of 12 Payes outages in 2022, and for Medical Baseline or Vulnerable customers the same percentage was 67% lower fam for 181 came population during Non-EPSS outages in 2022. And of the Medical Baseline or Vulnerable customers the same percentage was 67% lower fam for that same population during Non-EPSS outages in 2022. 19 In the answer for 1920 is stayled in the first of 1920 payes in 2022 outside payes in 2022	a) PGER has not conducted a specific analysis relative to drivers of extended outlages between EPSS and NovEPSS enabled mile. b) NA The specific provides the specific provides of the specific p	8/15/2023	8.1.8	Grid Operations and Procedures	N/A

429	СвРА	Set WMP-28	CalPA_Set WMP-	8 8	CaPA_Set VMP-28_Q8	RN-PGSE-23-03 Page 44 of PGSE's response states, "PGSE estimates that by the end of this WMP cycle, was with have reduced widtler risk in the HFTDH-RFD Aby 94 percent strough a combination of permanent first reduction (system resilience mitigations) and operational as State the basis for the estimate flat by the end of this VMP cycle, PGSE will have reduced widther risk in the HFTDH-RFD by 94 percent. b) Provide any supporting data for your response to past (b). c) Please disaggregate the estimated 94 risk reduction figure into the amounts attributable to permanent risk reduction and operational mitigations.	a) The basis for the risk reduction calculations are the mitigations we will apply by the end of this WIMP cycle be each circuit segment. The mitigations we will apply by the each circuit segment is and as seen in Affachment 2023 04- 06 pc EQ. 2023 WIMP. EQ. Section 6.2 a. 24-b. 24	8/15/2023	8.1.8	Grid Operations and Procedures	N/A
430	CalPA	Set WMP-28	CalPA_Set WMP-	8 9	CaIPA_Set WMP-28_Q9	RN-PGSE-23-04 Page 55 of PGSE's response states, "Instead, we will eliminate the entire HFTD maintenance tag backlog by 2020: 3 is the above statement intended to refer to the HFTD maintenance backlog, or the HFTD/HFRA maintenance backlog or the HFTD/HFRA maintenance backlog, state when PGSE will eliminate the entire HFTD/HFRA maintenance backlog. 1 if the arrawser to part (a) is the HFTD maintenance backlog, state when PGSE will eliminate the entire HFTD/HFRA maintenance backlog.	a) The above statement refers to the ministerance backlos in HFTDHFRA locations. b) Not applicable, please see the response to subpart (a) above. c) No, our plan does not differentiate between addressing the maintenance tag backlog in HFTD and HFRA locations, as it is instead based on risk reduction and efficiency.	8/15/2023	8.1.8	Grid Operations and Procedures	N/A
431	CalPA	Set WMP-28	CalPA_Set WMP-	B 10	CalPA_Set WMP-28_Q10	RNA-PGSE-23-04. Figure RNA-PGSE-23-04-1 on page 46 of PGSE's response shows that, under PGSE's proposed plan to address maintenance late, the average open rollification age will remain at or under two years. Under PGSE's previously a 19th PGSE professor of the proposed of the proposed of the professor of the p	a) No, we have not performed a study or analysis with the specific criteria referenced in subpart (a) of this request. b) Not applicable, please see the response to subpart (a) above.	8/15/2023	8.1.8	Grid Operations and Procedures	N/A
432	CNPA	Set WMP-28	CalPA_Set WMP-	в 11	CMPA_Set WMP-28_Q11	RN-PGSE-23-04 Fortinete 16 on page 52 of PGSE's response states, "PGSE will develop a risk spend efficiency by isolation zone bundle and not be individual tags. We will identify groupings of EC notifications in an isolation zone (similar to a bundle and not for individual tags. We will lead to a secretary of the control of the same notifications to get a risk spend efficiency by isolation zone bundle. In your will possible determine the unit cost of individual notifications? b) How will PGSE determine the unit cost of individual notifications?	a) The scoring of individual tags is not performed differently than the scoring of tags to be included in isolation are builded. The open EC tags WDRA's list scoring methodology begins with all open EC tags, specifically profitine B. E. F., and H. Schall and the scoring of th	8/15/2023	8.1.8	Grid Operations and Procedures	N/A
433	CalPA	Set WMP-28	CalPA_Set WMP-	8 12	CsIPA_Set WMP-28_Q12	RNPGSE-23-04 PASE-States that an isolation zone is "similar to a circuit protection zone" (footnote 16 on page 52), a) Define "inclusion zone, consideration acceptable protection zone" (footnote 16 on page 52), b) if the answer to part (b) is no, describe the differences.	a) As described in footnote 17 (page 50) of the Revision Notice, we provide the following definition, "An isolation zone is an area between isolation devices that can be de-emergized in support of maintenance purposes." To provide further exhibitoration, an isolation Zone segments believe or bride isolation devices, (where an isolation devices is a member of the set of Circust Breisder, Dynamic Priodecine and isolation devices are a member of the set of Circust Breisder, Dynamic Priodecine by the control of the	8/15/2023	8.1.8	Grid Operations and Procedures	N/A
434	СаРА	Set WMP-28	CalPA_Set WMP-	B 13	CaIPA_Sel WMP-28_Q13	RN-PGSE-CAGE: response states, with regard to faild safety reseases ments, "regardors can also recommend from a notification be canceled if they believe it was created in error or if it was already completed." a) Describe the process by which an impercelup reforming a lide safety reseasement can recommend a notification be canceled. in the process of the process process of the process process and the process process of the process p	a) During a field validation of an open EC conflication, which can occur during a systems inspection or finds salely reassessment, inspectors an encommend that a notification be carcinated by selecting this ciption in the inspect Ago when they are in health of the conflication be carcinated by selecting this ciption in the inspect Ago when they are in health or the conflication of th	8/16/2023	8.1.8	Grid Operations and Procedures	NIA
435	CaIPA	Set WMP-28	CalPA_Set WMP-	8 14	CalPA_Set WMP-28_Q14	RN-PG&E-23-04 Table RN-PG&E-23-04-6 on page 50 of PG&E's response estimates PG&E will create 70,200 level two tags in 2002, 34,000 level two tags in 2002. 3) State the basis for the reduced number of level 2 tags PG&E forecasts being created in 2024 and 2025 compared to 2024.	a) There are two main drivers in the forecasted reduction in Level 2 lags (1) the amount of detailed pround respections plared in Test 2 and (2) the expected find rate for 2024 and 2025 versus 2023. TABLE, REN-FASE-25-240-7 (page of 10 the Revision Notice) shows PC&E's planned laspections by inspection by the main of by HFFANHTD be HF 2023. TABLE is planning to the planning of t	8/15/2023	8.1.8	Grid Operations and Procedures	NA
436	CaPA	Set WMP-28	CalPA_Set WMP-	в 15	CalPA_Set WMP-28_Q15	RN-PGSE-23-04 Page G3 of PGSE's response states. For example, we have found certain splices (e.g., splices within two feet of an insulator, and number of splices per span) or not pose an increased risk of grafilor. Instead of relating a non-potential indicator of a holistic asser health issue.* a) Describe how the assert management team set track splices if a maintenance tag is not issued. b) Describe the circumstances used week! PGSE words representables set to set the splice shall not pose an ignificant risk, and c) How does PGSE's asset management team set splices as an indicator of "holistic asset health" and under what circumstances does the asset management team sue splices as an indicator of "holistic asset health" and under what circumstances does the asset management team take action based on this indicator?	a) As described in our response to the Revision Notice, we are analyzing the information collected during inspections and company is to the actual failures. If we first that certain conditions, such as splices within two field of an installate, are not a second of the conditions and a second of the conditions are as a different priority EC to tag (e.g., AH priority), or (2) record the notification as a different priority EC to tag (e.g., AH priority), or (2) record the notification as an afferent priority EC to tag (e.g., AH priority), or (2) record the notification as an ER lang instead of an EC tag. Et the gap are unwelligent to the condition as an ER lang instead of an EC tag. Et the gap are unwelligent to the condition of the solid condition as the condition of the priority and the solid condition of the solid condition of the priority of the solid condition of the solid condition of the co	8/15/2023	8.1.8	Grid Operations and Procedures	NIA

437	СаРА	Set WMP-28	CalPA_Set WMP-28	16	CaPA_Set WMP-28_G16	RN-PGAE-23-05 Page 86 of PGAE's response states. There are 79 circuit segments that are not included in an underground plan and have not been hardened. In place of these circuit segments, PGAE chose to add different circuit segments to the portion that could be undergrounded more efficiently, PGAE manages widther risk on these 79 circuit described above. 3 pitals PGAE considered overhead hardening on the 75 circuit segments described above. 3) these PGAE considered overhead hardening on the 75 circuit segments described in this section? 5) the amover bor of (a) yea, with off PGAE for list overhead hardening as a mitigation for these 79 circuit of the answer to part (a) is no, explain with not.	a) FOREE has not considered them for overhead system hardering. Since lists 2021 FOREE has prioritize undergrounding as the preferred approach to permanently reduce the most system risk. 3) NAS. has not risked undergrounding as the preferred approach to permanently reduce the most system risk. 3) NAS. has not risked of these 73 circuit segments for future undergrounding system size completing projects identified with lower flexibility scores. PORE at an alwestly has overhead hardering projects in societ brought the remainder of this VMP period (2023-2025). 4, as stated in response to Revision Notice 23-05. PORE is in the process of constructing a benefitivost model that will incorporate several elements of our discovering a benefitivost model that will incorporate several elements of our discovering into an analysical tool called the Wildling Benefic Discovering the contribution of the process and the process of the pro	8/15/2023	8.122	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
438	CaPA	Set WMP-28	CalPA_Set WMP-28	17	CelPA_Set WMP-28_Q17	RN-PGSE-23-05 Table RRY-GSE-23-05-2 on page 72 of PGSE's response compares the mileage in the top 20% of WFE; the top 20% of WDRM V3, and the top 20% of WDRM V2. Et is our understanding (then PGSE's response to ALP-GGSE-23-4 in its 002-2025 VMP) past the first of occul et is on understanding (then PGSE's response to ALP-GGSE-23-4 in its 002-2025 VMP) and finding pounding to other words, in the formula below, the VDRM V3 first score appears in the numerator and the feasibility of undergrounding appears on the de-understanding stated above. b) Does the list of circuit segments ranked by WTE exceptorate risk scores from WDRM V27 if yes, describe how b).	a) The understanding stated above is correct, the VRE's score is based on the VDRM vi ark model. As notion the formula pasted above, the numerical of the WFE score is the line seeing their fact value per mile from the VDRM vi alick model, which is some the properties fact value per mile from the VDRM vi alick model, which is some per mile to the properties of the properties of the fact value per mile from the VDRM vi alick model, which is the properties of the in preparent of the fact value segment, when risk is the average risk per pixel, or the summation of risk score along the correct segment and underling that by the number of present the line passes through the properties of the dividing that by the number of present the line passes through the properties of the properti	8/15/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
439	CaIPA	Set WMP-28	CalPA_Set WMP-28	18	CaIPA_Set WMP-28_Q18	PN-PCSE-23-05 Page 73 of PCSE's response states. "Based on our further evaluation, the preliminary, updated mitigation effectiveness for undergrounding, considering the residual risk from secondary and service lines, is approximately 97.7 percent compared to the 99 percent." a) Describe how PCSE calculated the effectiveness of 97.7 percent. b) Provide supporting data and workpapers for your response to part (a).	a) PGAE developed a preliminary, updated mitigation effectiveness for undergrounding considering the relation list from sociology and service lines by considering the libely effectiveness of a mitigation consisting of undergrounding the primary line plus overheal hardering secondary and service lines. We considered two effective his combined mitigation would be in mitigating a potential grintin by assessing his lakely effectiveness against more than 2.250 cutted, combination equivalent planned outges, PSPS and EPSS outges) that occurred in PSAEs in PTD during wildrife by the property of the property	8/15/2023	8.22	Vegetation Management and Inspections	Vegetation Management Inspections
440	CaPA	Set WMP-28	CalPA_Set WMP-26	19	CaiPA_SetWMP-28_Q19	RN-PG&E-23-07 Page 100 of PG&EP reportine statesThe TAT was developed to fit the scope of the EVM Program. With the Page 100 of PG&EP reporting the second by the PGE reporting the second sessessments using the TAT of Second sessessments using the TRAO form. 3 Given that, beginning in 2024, the scope of FT will be similar to the scope of EVM (approximately 1,500 miles), please replain why the TAT is not appropriate for the scope of FTM. 9 Describe the ways in which the TAT and TRAO form are different.	a) As previously stated, the TAT was developed to 8 the acops of the EVM program. The TT scope is not the amen as the EVM sloop chowever similar the number of misle to be vorked as the TT does not require specifically defined observance instead. The transport of the program of the transport of the transport of the companies of the transport of the companies o	8/15/2023	822	Vegetation Management and Inspections	Vegetation Management Inspections
441	CalPA	Set WMP-28	CalPA_Set WMP-28	20	CaliPA_Set WMP-28_Q20	TRA-FGE-C3-07. The page 10 of DREEs response states, "Coven that we began working with the ISA TRAQ in 2023, data does not exist to objectively compare effectiveness differences between ISA TRAQ and the TAT." a) Does PGES pins to perform satuly or analysis to compare the effectiveness of that TAT and the ISA TRAQ? This may include, for example, performing a subset of FTI work using both tools. b) If the answer lord (a) are yet, please decribe the study. Conclude the study. Of the answer lord (b) at (a) is no, please explain with york.	a) At this time PG&E does not plan to perform a study or analysis to compare the effectiveness of the TAT and the SA TRAQ. We are planning to assess the effectiveness of PTI. 1) Please see the response to Question 19 of this request.	8/15/2023	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
442	OEIS	011	OEIS_011	1	OEIS_011_Q1	Regarding distribution detailed ground inspections a. On page 464 of its revised WMP. PCE states that I will shift from inspecting all HFTD fier 3 distribution assets as On page 464 of its revised WMP. PCE states that will shift from inspecting all HFTD fier 3 distribution assets and fight consequence polal impact serving to worst. I. Pease provise the number of assets/structures (using the same asset/structure definition as WMP R2 table 6.13.3, page 465) caused in HFTD fier 3. In Pease provide the number of assets/structures (using the same asset/structure definition as WMP R2 table 6.13.3, page 465) caused in HFTD fier 5. In Pease provide the number of assets/structures (using the same asset/structure definition as WMP R2 table 6.13.3, page 465) caused in HFTD fier 5.	Trease we are the state to response for responses to suppose by years (1). In Charlesguence Rank / HTD To Telephone Rank / HTD Telephone Rank /	8/23/2023	8.1.3.2.1	Asset Inspections	Detailed Ground Inspection
443	OEIS	011	OEIS_011	2	OEIS_011_Q2	The part of the control of the contr	#: ruc or windfundly were functionary ruce cases on youth years yeur for the should immediate than has been helicifully executed, allowing for thereine opportunities provided the should be shoul	8/23/2023	8.1.6	Quality Assurance and Quality Control	N/A
444	OEIS	011	OEIS_011	3	OEIS_011_Q3	registrony "design registron management country content of a set of the processes. In the Revision Robot Response, Policy States Intel II is in Vending to integrate OC with [6] execution processes. In the Revision Robot Response, Policy States Intel II is revising to integrate OC with [6] execution processes. In the Intel	8: f - relative area er aufhreißfild-decrebe (1985-porces to resquess capty), ret are applying this same approach to our vegelation management CD. II. PORE WILL CONTROL TO A	8/23/2023	8.1.6	Quality Assurance and Quality Control	N/A
445	CPUC - SPD (Safety Policy Division)	010	CPUC - SPD (Safety Policy Division)_010	1	CPUC - SPD (Safety Policy Division)_010_01	Populate the attached agreadsheet with information summarized from Table 11 of PG&E's most recently submitted COR (CI 2023 submitted Aug 1).	Please see the sitsched spreadsheet "WMP-Discovery2023_DR_SPD_019-0001- Alch01.tist" with Information summarized from Table 11 of PG&E's most recently submitted QDR, the Q2 2020 QDR, which was submitted to Energy Safety on August 1, 2020.	9/1/2023	QDR	N/A	N/A

446	OEIS	012	o	OBIS_012	1	OEIS_012_01	Corr. (registrating Proble 1s Resignated briefly accessed to 18 of	In POACE Was uppared to PLY in procedure to Prietra a runger in process for Azaz Nati was required user to record level of Impedication data Browgh a digitated Ther Risk for Plant and the Plant and Plant an	9/27/2023	82225	Vegetation Management and Inspections	Focused Tree inspections
447	OEIS	012	o	OEIS_012	2	OEIS_012_02	OIZ. Regarding PG&E's Response to RN-PG&E-23-03 a. In its response relating to EPSS, PG&E states that it "does not have detailed mitigation effectiveness analysis at this time. These analyses are being developed based on subject matter expertise white empirical data is being collected. EPS previously. EPS previously. In PG&E 2,023-2025 VMIP, PG&E provides an estimated effectiveness estimate for accurate effectiveness estimate? If not, why? If Whert does PEB plan on calculating a more updated effectiveness estimate? What factors is PG&E including for this calculation?	In Yea, the GRNs gritton miligation effectiveness value is still accurate. In With respect to ligition miligation effectiveness value for EPSS that have previously been provided, these are point estimate metrics based on empirical data from the implementation of the 2022 EPSS program. We have initiated a more defailed analysis of ignition miligation effectiveness of EPSS that is current your develope with the ULA B. Juhn Grantin Restatte for Risk Science, which will provide improved controls for variability between years and program criteria arising with quantified uncertainty, institute for Risk Science is anticipated to conclude in November of this year. The differences between this calculation and the current approach do not necessaryly include	9/5/2023	8.1.2.10	Grid Design and System Hardening	Downed Conductor Detection Devices
448	CEIS	012	o	OEIS_012	3	OEIS_012_Q3	COS. Regarding PCAE's Response to RN-PCAE-23-04 a. Table RN-PCAE-23-04-1 user "Aged Backlog Units Decouled" and "Aged Backlog Units Remaining". Provide a. Table RN-PCAE-23-04-1 user "Aged Backlog Units Decouled" and "Aged Backlog Units Remaining". Provide respectively. b. The Commander of Instances in which PCAE careled a work order in response to an FSR- it. The number of Instances in which PCAE careled a work order in response to an FSR- it. The number of Instances in which PCAE careled a work order in place of an existing work order in it. The number of Instances in which PCAE careled a work order in place of an existing work order in it. The number of Instances in which PCAE combined work orders in response to an FSR- it. Details on how PCAE tracks the work of Involving Instances, explain why. b. Details on how PCAE tracks the work of Involving Instances, explain why. b. Powder and PCAES workplain row order one order place of the Instances, explain why. b. Provide and PCAES workplain or workforce and resources relating to handling its backlog. This should include, but not be limited by. b. Balancing, relating, and obtaining workforce and personnel is. Resource limitations, such as obtaining received eupprent and supply chain issues, and how PCAES intered on its Training for seconder working on backs, including distance in how to Identify, prioritize, and respond to repairs e. How is PCAES tracking and prioritizing lightion risk tags that are Priority E or F7	additional factors but rather a refined statistical approach, sensor and a second control of the	9/27/2023	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags
449	OEIS	012	o	OEIS_012	4	OEIS_012_04	OOA. Regarding PCAE's Response to RN-PCAE.23.05 a. F of the 79 circuit segments not included in an undergrounding plan and that have not been hardened, provide the following information via spreadheet. L Circuit Name L Via Resident In V. Zirak Resident V. Zirak Re	In sit. Please see shadriment "VMM-Discovey/202 DR CDEs (172-000A44201 state"). In sit. Please see shadriment "VMM-Discovey/202 DR CDEs (172-000A44201 state"). Its time (as requested in subparts will and ix), sit. The 79 critical segments were not included in an undergrounding plant because POSE chose to add different cricial segments to the profition that could be proceeded to the profit of the country	9/5/2023	72.1	Wildfire Mitgation Strategy Development	Overview of Miligation initiatives and Activities
450	CalPA	Set WMP-29	CalPA	A_Set WMP-29	1	CalPA_Set WMP-29_Q1	Page 35 of PG&E's response states, "PG&E is currently working to integrate QC with our execution processes to drive quality during initial work execution." a) Provide the perportionate date by which PG&E plans to implement its integrated QC process, described above, b) Plasse provide any interpretary protectors, presentations, reports, or other documentation that describe(p) PG&E's proposed integrated QC process. PG&E's proposed of the process. The process of the process provide any process of integrated CQ process. PG&E's proposed if the grated QC process.	 a) – c) PG&E continues to be committed to moving our QC programs closer to the source but does not have requested information to provide at this time. Given the additional details that need to be finitioal to complete this process. PG&E has implemented new QC targets—as described in the September 27, 2023 WMP supplemental filling—b help demonstrated our progress in this area and commitment to continuous improvement. 	9/27/2023	8.1.6	Quality Assurance and Quality Control	N/A

451	CaPA	Set WMP-29	CalPA_Set WMP	2 2	CalPA_Set WMP-29_02	PGSE's reporter to Data Request No. Call Advocates, 028-0001 on August 15, 2023, states "OC is integrating with esscution processes by completing GC on a shorter femilient than has been historically executed, allowing for funded reporturisties for re-braining processes, stating statings, and making corrections, as necessary, a) What was the minimum, maximum and average CC completion timelines for detailed ground distribution inspections in 2021? b) What was the minimum, maximum and average CC completion timelines for detailed ground distribution inspections in 2021? c) What was the minimum, maximum and average CC completion timeline for detailed ground distribution inspections in 2022? c) What was the minimum, maximum and average CC completion timelines for detailed ground distribution of the detailed ground distribution in the detailed ground distribution and the detailed ground distribution and the ground distribution with the detailed ground distribution with the ground ground distribution and ground distribution with the ground ground distribution and ground distribution and ground ground ground distribution and ground	a1 – c) Please see altachment "WMP-Discovery0023_DR_CalAdvocates_022- 0000Atro10 data for the requested information. d) PG&E continues to be committed to moving our QC programs closer to the source but does not have requested information to provide at this first. Given the additional details that need to be finished to complete this process_PG&E has supplemental filling—bell permitted to provide the process_PG&E has supplemental filling—bell permitted are progress in this area and commitment to confissuous improvement.	9/27/2023	8.1.6	Quality Assurance and Quality Control	N/A
452	CalPA	Set WMP-29	CalPA_Set WMP	9 3	CalPA_Set WMP-29_Q3	with execution processes by completing GC on a shorter firmline than has been historically executed, allowing for fundeir opportunities for re-braining impection, sharing learning, and making corrections, as necessary; a) Does PC&E have an internal standard for the maximum amount of time between a detailed ground distribution inspection and subsequent QCF. b) If the answer to part (a) by sex, provide any procedures, handbooks, checklists, or job saids that define the process. c) If the answer to part (a) is no, how does PC&E determine when to perform QC following a detailed ground distribution inspection and subsequent QC under PC&E or over QC process.	a) There is no internal requirement/standand for the maximum amount of time between a detailed ground distribution inspection and subsequent CC. b) Not applicable. c) FAGE determines with the perform OC influence a detailed ground distribution (FAGE detailed or the perform OC influence and the performance and the performan	9/27/2023	8.1.6	Quality Assurance and Quality Control	N/A
453	CNFA	Set WMP-29	CalPA_Set WMP	19 4	CaiPA_Set WMP-29_O4	Page 63 of PGAE's response states. "For example, we have found certain splices (e.g., splices within two feet of an exclusion." An uniform of splices per span) do not pose an increased risk of sprillon infected of issuing a monigration risk maintenance last, the splices are better addressed by the asset management team as they are a potential indicator of a holistic season feet instance. The property of the pro	In the Committee of the	9/27/2023	N/A	N/A	N/A
454	CalPA	Set WMP-29	CalPA_Set WMP	9 5	CalPA_Set WMP-29_Q5	a) Please provide a copy of PG&Es 2022 Electric Asset Management Plan for Electric Distribution Overhead Assets, It available. Front validable, please provide the date if will become available. b) Please provide a copy of PG&Es 2022 Electric Asset Management Plan for Electric Distribution Overhead Assets, If available. If not validable, please provide the date if will become available.	a) PGSE 2022 Electric Asset Management Pan (AMP) was not published due to internal organizational changes and priorities. As a result, PGSE does not plan to publish the 2022 AMP and will instead publish the 2023 AMP. b) PGSE'S 2023 AMP has not yet been approved. We anticipate publication by the end	9/27/2023	N/A	N/A	N/A
455	CalPA	Set WMP-29	CalPA_Set WMP	9 6	CaPA_Set WMP-29_06	Page 107 of PG&E's response states, "Detection of partial vallage conditions allows Control Center Operators to dispatch field personnel to locations where equipment may be in a condition that increases widther inst. This schemicary legisle PGAE detect and locate a wise down conflow milk minimizes that many retuce his amount of descriptions of the process of the p	of 2023. 3) The Partial Voltage Force Out protocot has been utilized for a short time, having been operationalized in PSER control contents in meSEQ2D. No formal study has been operationalized in PSER control contents in meSEQ2D. No formal study has been operated to the SEQ of time as line is energied under down. 5) We will evaluate the history of response to wire down conditions in the HFRAHFID, concurring during the statistical peak widther season of May 1 and November 1, 1, 2020. We can complete that enables by December 31, 2020. See al. 2020. We can complete that enables by December 31, 2020. See al. 2020. See will be season of May 1 and 80 of the SEQ of SEQ o	9/27/2023	8.23.4	Vegetation Management and Inspections	Fall-in Mitgation
450	CNFA	Set WMP-29	CalPA_Set WMP	9 7	CaIPA_Set WMP-29_07	Page 2 of PG&E's reply comments filed on September 1, 2023, state, "EPSS generally does not create outage events that would not have otherwise occurred. EPSS settings enable a line to trip more quickly than standard settings, but EPSS settings do not increase the number of cauge events on their outage events and their outage events that would not cause outage events that would not set the basis for the above dam't that EPSS generally does not create outage events that would not set the set of the set	a) To actives EPDS's ignition reduction benefit, EPDS protection settings are designed to provide () laber fault detection and clearing within 100ms, (2) included flase single-phase operation, and (3) higher impedance staff detection. Accordingly, by definition our EPDS device protection setting must overexelor mainteril tooldion to yield in the control of the con	9/27/2023	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
457	CaPA	Set WMP-29	CalPA_Set WMP	9 8	CalPA_Set WMP-29_Q8	Page 2 of TCEEs regly comments tilled on Supplember 1, 2023, lates. The runber of outges in the HFRA during the same time period was only slightly higher in 2022 (6,140 outges evenis) than in 2000 (1,120 outges evenis) than in 2000 (1,100 outges evenis) than 2000 (1,10	a) No. PGSE has not performed a study regarding weather-normalized HFRA outlage counts in 2020, 2021, and 2022 relative to our EPSS Reliability Mitigation program(s). Program(s). 10 Post of the count of the coun	9/27/2023	72.1	Wildfre Mitgation Strategy Development	Overview of Mitgation initiatives and Activities

		1	1	1		Q01. Regarding Section 6.1.1, risk score calculations	T				
458	QEIS	013	OEIS_013	1	OEIS_013_Q1	It is unclear from statements in its revised 2023-2025 WMP (printed 87) whether PG&E uses probability distributions or maximus value in its risk score calculations—iscalized (REE) multipled by consequences (severage) MWP by pixel which are than aggregated be a risk under legislent used to calculate mean (severage) MWP by pixel which are than aggregated be a risk under legislent used to calculate mean (severage) MWP by pixel which are than aggregated be a risk under legislent with Table 9.2.2.1 on calculate financial consequence. These explanations of how consequences and that maximum buildings impact from Technosytre simulation is used to calculate financial consequence. To address this data request: 1. Please indicate whether the consequence component of PG&E risk score calculations (CoRE) uses averages or maximum values: 2. If PG&E uses maximum values in the consequence component of its risk score calculations, please indicate which maximum values it uses and explain why maximum values are used inteled of everages.	a) As indicated on page 173 of the Second Revised 2023-2025 WMP; the wildfire consequence used in the Wildfire Distribution field. Model (WDRM) utilizes mean provided an annual wildfire risk value and, as such, utilizes mean (everage) values to represent the wildfire risk over the prior second revised an annual widfire risk value and, as such, utilizes mean (everage) values to represent the wildfire consequence values described in Table Bendel Troil (everage) values and the prior to the risk of the ri	9/13/2023	6.1.1.1	Risk Score Calculations	NA
459	TURN	014	TURN_014	1	TURN_014_Q1	On September 11, 2022, PGES submitted a request to supplement in 2022-2025 WMP administry, to which CES reported on September 12, 2022, PGES 5 request indicated that PGES whether to include additional information responsive to items resident in a 2023-2025 PGES include additional information responsive to items resident in a 2023-2025 PGES include additional information responsive to items resident in a 2023-2025 PGES include profits of the instructions above regarding interpreting PGES in a propose of the PGES in response to the Prevision Notice) that reflect communication between an employee or other representative of PGES and an employee or other representative of PGES and an employee or other representative of PGES instead to PGESE's 222-2025 VMP. Please exclude from the response documents that are publicly available through the CES without such and test response from CES and PGEST responses to	Please note the attachments to this response contain confidential material. PGSE dojects to this request on the grounds that it is overtroad and undily buddensome. Additionally, PGSE dojects to this request to the extent that if requests documents that are protected by the attorney client privilege, Subject to and without containing the production of	9/20/2023	N/A	N/A	N/A
460	OEIS	014	OEIS_014	1	OEIS_014_01	OOT. Regarding Wildfire Benefit Cost Analysis a. In PCAEE Supplemental Revision Notice Response, PCAEE states that it "will be moving away from the WFE to a Wildfire Benefit Cost Analysis (MOSA), at the circuit segment (evel.* (p. 78) I. How does PCAEE WCAE (Actor in feasibility) I. How does PCAEE WCAE (Actor in feasibility) I. How does PCAEE WCAE (Actor in feasibility) I. How a PCAEE of the Cost Analysis (MOSA) and the control conductor with PESS and COCIO? Please provide the calculations used for the monetized risk values shown in Table RN-PCAEE-22-05-3 (p. 48). II. How is PCAEE causalizing the monetized risk values shown in Table RN-PCAEE-22-05-3 (p. 48). II. How is PCAEE causalizing the monetized risk values and exception of magginin sedection results using this I. What is PCAEE smaller for the development and implementation of WBCAP (MOSA) I. What is PCAEE is smaller for the development and mightenised of WBCAP and seal as when PCAEE is undergrounding and hatching plants will begin to be infrontly WBCAP (MOSA) I. What is PCAEE analyzed the prioritization or mitigation selection difference between implementing WFE vs. WBCAP I. Value of VBCAP (MOSA) II. WAEE VALUE (MOSA) II. WAEE VALUE (MOSA) III. WAEE VALUE (MOSA) III	Secondaries and Services. For Circuit Segment 2, the miligation with the highest net benefit is Covered Conductor Freedal with IEPS 200. The combination of miligations is based on the miligations (e.g., IEPSS and DCD. The combination of miligations is based on the miligations (e.g., IEPSS and DCD where covered conductor is sinitable; currierly appelled across PGSEs. As it relates to monetized risk visues: In December 2022 the CPUC issued a decision in the Risk Radeo Decision-Milharing Framework (RBDF) Order instituting Rutemaking (DRI) that replaced the MAN/F That California utilities had been using by evaluate different migrations with a coat-benefit approach that community and the company of the California utilities had been using by evaluate different migrations with a coat-benefit approach that community is seen to be a second or the community of the California of the community of the com	10/11/2023	8.122	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
461	CEIS	014	CEIS_014	2	OEIS_014_02	OIZ. Regarding backlog risk reduction a. Provise PCSE's calculations for risk reduction percentages broken down annually for both the initial open tag reduction targets in PCSE's Table PCSE's 6.17.2 (PCSE's toriginal 2023-2025 Wilder Mitigation Plan, p. 455) compared to the review of Table PCSE's 7.1.2 (PCSE's toriginal 2023-2025 Wilder Mitigation Plan, p. 455) exception of the review of the PCSE's 7.1.2 (PCSE's toriginal 2023-2025 Wilder Mitigation Plan, p. 455) exception of the reduction, as well as both a reduction in risk with and overall risk impact. Provise PCSE's overall calculations for risk reduction percentages for its original 2023-2025 Wilder Plan for addressing backlog compared to PCSE's rever plan for addressing backlog as outlined in its Supplemental Revision Notice Reprosers. This should be also account for any exist introduced from delays in responding to not two PCSE's calculations for risk reductions, as well as both a reduction in risk writs and overall risk impact of two PCSE's calculations for risk reductions, as well as both a reduction in risk writs and overall risk impact reduction). Explain the difference between the precent risk with and the "Risk impact a shown in Table RRI-PCSES-20-42 (p. 55) (for instance, 2023 has a 48 percent risk unit reduction, but only a 2.4 percent risk impact reduction).	as feature and their demonstration of the control process of the con	10/11/2023	81.7	Open Work Orders	N/A
462	MGRA	Data Request No. 7	MGRA_Dala Reque	ast 1	MGRA_Data Request No. 7_Q1	Present let the titles and qualifications of the team members on the Public Safety Specialist team. Specifically please note the feed depertence team members have in the feed of the second service of the second service of the second second service of the second	b) As all norm in the response to subpart (a) acover, the aboding risk reduction. However, we describe the general risks, levels, response to the control of the PSS seam. After the narrative, we provide a table that table the minimum and desired qualifications for PSS separts and eclisive of the PSS seam. After the narrative, we provide a table that table the minimum and desired qualifications for PSS seams of the position of the of the positio	10/12/2023	8441	Emergency Preparedness	Protocols for Emergency Communications

463	MGRA	Data Request MGRA_Data Request No. 7 No. 7	MGRA_Data Request No. 7_G2		largeres and egrees concerns are not determined society by the potential for failing poles. The PSS considers many factors where entauling ingreess and egrees concerns in a complex or napidly expanding wildlend file including: - Projudiation density in the pole of the	10/12/2023	8.1.3	Asset Inspections	N/A
464	MGRA	Data Request MGRA_Data Request No. 7	MGRA_Data Request No. 7_Q3	Now representative is the proxy PSS score of the entire circuit? Specifically, and the second protects are three per circuit? Provide a distribution if scotter. b. What fraction does the hardwring project spicially take up of the circuit? Provide a distribution for scotter and scisibilities of processes. c. Show two EPS scores are described and how these conspanse against WDSM v3. c. Show two EPS scores are described and how these conspanse against WDSM v3. or is I used as independent decided mention of the scotter into the risk model or in I used as independent decided in the branch point? e. What fraction of undergrounding projects rely on PSS ingressingerses scores to make the determination to undergrounding the projects rely on PSS ingressingerses scores to provide the fraction for cases where it was the circly printing y determinant of the provided the fraction for cases where it was the circle provided the fraction for cases where It was the circle provided the fraction for cases where It was the circle provided the fraction for cases where It was the circle provided the fraction for cases where It was the circle provided the fraction for cases where It was the circle provided the fraction for cases where It was the circle provided the fraction for cases where It was the circle provided the fraction for cases where It was the circle provided the fraction for cases where It was the circle provided the fraction for cases where It was the circle provided the fraction for the case for the circle provided the fraction for the case for the circle provided the fraction for the case for the circle provided the fraction for the case for the circle provided the formation for the case for the circle provided the formation for the circle provided the formation for the case for the circle provided the formation for the circle	Finefating injuries (e.g., number, hoe, size of equipment, staining areas, etc.) Finefating injuries (e.g., number, hoe, size of equipment, staining areas, etc.) Finefating of circuit privation cancer on the crisist, the besides of the circuit. There is no average distribution. Please note that the PSS score is not the size deliver for any migration decision and a circuit and experience is not all the size of the circuit. There is no average distribution. Please note that the PSS score is not the size of the circuit state of the profess. A manual relation private is not circuit and private in the profess of the circuit state of of the	10/12/2023	813	Asset Inspections	N/A
465	СаРА	Set WMP-30 CuIPA, Set WMP-30 1	CaPA, Set WMP-30_Q1	This data request relates to PGSE's Wildfire Distribution Risk Model version 4 (henceforth referred to as "WDRM wt). If any of the requested documents or information in only of complete and available, please state in your response when you expect the documents or information be to complete and available, please state in ryour response when you expect the documents or information be to complete and available, please state in your different risks scores and the property of th	a) - f) The Wildline Distribution Risk Model (WDRM v4) is not currently available. PC&E plans to make the model information available with the 2025 Wildline Miligation Plan Update.	10/25/2023	45	Model Metrics and Calculation Methodologies	N/A
486	CaPA	Set WMP-30 CsiPA_Set WMP-30 2	CalPA_Set WMP-30_02	This data request relates to PGSE's Wildfile Distribution Risk Model version 4 (hexcelorth referred to as "VDPM response when you expect the documents or information to be complete and available, as please test all composite (or aggregate) risk scores generated by PGSE's WDEM'v4. For example, WDPM v3 generated for terrorized in this case, and the provide in a category or brief description of the poor first the score in part (a), please provide a brief expension of how PGSE intends to use that risk score. If you can't risk score in part (a), please provide a brief expension of how PGSE intends to use that risk score. If you can't risk score in part (a), please provide a brief explanation of how PGSE intends to use that risk score. If you can't risk score in part (a), please provide a brief explanation of how PGSE intends to use that risk score. If you can't risk score in part (a), please state the most grant risk was within the risk score. If you can't risk score in part (a), please state the most granularity as which the risk score is used to inform wildfire risksgranit mistakers (c), cut set separation, count, without sease, etc.).	a) - f) As stated in the response to Question 001, the WDRM v4 is not currently available. PC&E plans to make the model information available with the 2025 WMP Opdate.	10/25/2023	45	Model Metrics and Calculation Methodologies	NJA
467	CalPA	Set WMP-30 CalPA_Set WMP-30 3	CalPA_Set WMP-30_Q3	The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PRSEs responses to questions 1 and 2 above. Presse provides GSI file that details he most garmafar level (as discussed in questions 1(e) and 2(e)) available for each risk score identified in questions 1(e) and 2(e). This file should contain the following: 3) Geometric features detailing the most granular level valuable for each risk score. This may be polygons that depict "pixels". Times that depict circuit segments, prints that depict area, or other geometry that best asks the relevant risk score. If multiple risk scores that expended the print of	a) - b) As stated in the response to Questions 001 - 002, the WDRM vi is not currently available. PGEE plans to make the model information available with the 2025 WMP Opdate.	10/25/2023	4.5	Model Metrics and Calculation Methodologies	N/A
468	CaPA	Set WMP-30 CAIPA_Set WMP-30 4	CaPA_SetWMP-30_Q4	The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PGGE's responses to questions 1 and 2 above. Please provide a GSI file that details the risk scores at the same granularity that is currently used to inform wildfire miligation measures (as discussed in questions (1) and 2(1)). This file should contain the following: a) Geometric fleature detailing the reservant geometry for each risk score. This may be polygons that depict and the polygons that depict assets, or other geometry that the state of the polygons that depict assets are stated to the polygons that depict assets, and the great polygons that depict assets are the polygons to the polygons that depict assets are the polygons to the polygons that depict assets are the polygons to the polygons that depict assets are the polygons to the polygons that depict the same physical speciments. It is not that the polygons the polygons that the polygons that depict the same physical speciment (as the polygons the polygons that depict the same physical speciment (as the polygons to the polygons that depict the same physical speciment (as the polygons the polygons that depict the same physical speciment (as the polygons that the polygons that depict are the polygons that depict are and the polygons that depict are the polygons that the polygons that the polygons that depict are the polygons that the polygons that the polygons that depict are the	a) - f) As stated in the response to Questions 001 - 003; the WORM vi is not currently available. PGBE plans to make the model information available with the 2025 WMP Update.	10/25/2023	4.5	Model Metrica and Calculation Methodologies	N/A

459	CaPA	Set WMP-30	CalPA_Set WMP-30	5 CaPA_Set WMP30_Q5	The following questions refer to the risk scores generated from WDRIA vt. This should be understood to refer to PGAES in response to questions 1 and 2 above. Please provide a signated them that lists (as rows) as such circuit-segment that is included in the Wildfire Distribution Risk Model vt. This perpeadures should include, at minimum, the following columns. a) Name or ID number of each circuit segment. b) Creat transe for the circuit steps element is part of. d) Normal voltage. b) Creat transe for the circuit steps element is part of. d) Normal voltage. The pole count of the circuit segment (C) advocates understands this to be the number of 100m x 100m poles analyzed by the WDRIA via along the length of the circuit segment, and the step of the circuit segment of the circuit segment and WDRIA core in the circuit segment. The control of the circuit segment and WDRIA core in circuit segment. The distribution of the circuit		10/25/2023	4.5	Model Metrics and Calculation Methodologies	NIA
470	CalPA	Set WMP-30	CalPA_Set WMP-30	6 CaPA_Set WMP-30_Q6	The following questions effect to the risk scores generated from WDRM v4. This should be understood to refer to PGGE is responses to questions 1 and 2 above. a) Nas E3 or another entity performed an independent review of the WDRM v4? b) if the answer to part (a) is yes, please provide a copy of any report and output from the independent review. b) if the answer to part (a) is yes, please provide a copy of any report and output from the independent review of the provided provided by the part (b) and (a) is no, desire DRES pleas to here E3 or a similar entity perform an independent review of all the answer to part (c) is no, please explain why not. c) if the answer to part (c) is no, please explain why not.	a) - e) The WDRM v4 is currently under review by E3. PGAE expects that the E3 review will be completed and available with the 2025 WMP Update.	10/25/2023	4.5	Model Metrics and Calculation Methodologies	N/A
471	CaiPA	Set WMP-30	CalPA_Set WMP-30	7 CaPA_Set WMP-30_Q7	The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PGAEE are represent to questions. I and 2 above. a) Issa PGAEE created a debatied crear-feer document that details the WDRM v4, sinster to the "2021 Widdle Distribution Risk Model Overview" that PGAEE submitted following the public acontainup held on October 5 and 6, 2021? b) If the arrower to part (a) is yes, better provide a copy of the document. c) If the arrower to part (a) is yes, better provide a copy of the document. g) If the arrower to part (a) is yes, the condition of the public provides a public provides and adocument. g) If the arrower to part (a) is yes, the color PGGE giant to be completed?	a). e) As atlated in the response to Cuestions 001 - 005, the WIDRM vid in not currently available. PCAE plans to make the model information available with the 2025 WMP Update. Along with this model information, PCAE articipates preparing a similar document as part of the 2025 WMP Update.	10/25/2023	4.5	Model Metrics and Calculation Methodologies	NA
472	CaiPA	Set WMP-30	CalPA_Set WMP-30	8 CaPA_Set WMP-30_Q8	The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PGGEs represense to questions. Tall advise. Page 75 of PGGEs 2022-2025 Wildfire Mitigation Plan Supplemental Response to Revision Notice, September 27, 2023 states, When we begin using the WDRM v4 and incorporating that the WBCA (Wildfire Benefit Cost project costs, long-term savings and other factors that present a more falsomer view into the costs and benefits of an undergrounding project. 3 Does the WDRM wildruids are estimation of reliability benefits, as discussed in the above quote? Please explain if yes. 10 Does the WDRM v1 include an estimation of public safety, as discussed in the above quote? Please explain if yes. 10 Does the WDRM v4 include an estimation of project costs, as discussed in the above quote? Please explain if yes.	a) - c) The WDRM v4 scope does not include the estimated benefits requested in parts a, b, and c. Reliability benefits, public safely, and project costs will be considered as part of the WBCA and are not part of the WDRM v4.	10/25/2023	4.5	Model Metrics and Calculation Methodologies	NIA
473	CaPA	Set WMP-31	CalPA_Set WMP-31	1 CaPA_Set WMP-31_Q1	The following questions pertain to PGAE's 2023 - 2025 WMMP Revision 3, submitted on September 27, 2023, Section 8.1.7 — Open Work Criders. On page 500 of your 2023 - 2025 WMMP R3, PGAE provided a table (Table 8-8-1) showing the total number of past due transmission asset work orders by age and HFTD feer. Please provide an updated version of Table 8-8-Number of Path Use Transmission Asset Work Criders Categorized by Age (through September 30, 2023) HFTD Area 0 – 30 Days 13 1 – 190 Days 131 1 – 191 Days 131 1 –	Please see the table below for the requested information. Number of Past Due Transmission Asset Work Orders Calegorized by Age. 197 Age. 197 Age. 197 Age. 198 Ageptember 50, 2023) 198 Ageptember 50, 2023) 199 Ageptember 50, 2023) 199 Ageptember 50, 2023) 199 Ageptember 50, 2023) 199 Ageptember 50, 2023 199 Ag	10/26/2023	8.1.7	Open Work Orders	N/A
474	CaPA	Set WMP-31	CalPA_Set WMP-31	2 CaPA_Set WMP-31_Q2	The following quastions pertain to PGAE's 2023 - 2025 WMIP Revision 3, submitted on September 27, 2023, Section 8.1.7 — Open Work Orders. On page 530 of your 2023 – 2025 WMIP R3. PGAE provided a table (Table 8-6-1) showing the total number of past due transmission asset work orders by age and HTD file, and September 32, 2023. In the submitted of the pertain of	Please see the table below for the requested information. Number of Past Due Distribution Asset Work Orders Calegorized (floroup): September 50, 2023) (floroup): September 50, 2023) HTTD Area 0 - 2009; 81 - 60 Days 91 - 180 Days 181+ Days Non-HTTD 18,404 38,327 41,357 20,643 HTTD Tet 21,351 537 25, 558 68,051 HTTD Tet 21,320 269 647 60,597	10/26/2023	8.1.7	Open Work Orders	NIA
475	CaiPA	Set WMP-31	CalPA_Set WMP-31	3 CaPA_Set WMP-31_Q3	The following questions pertain to PGSET's 2023 - 2025 WMP Revision 3, submitted on September 27, 2023, Section 8.17 - CPDen WKR Orders. On page 557 of your 2023 - 2025 WMP R3, PGSE stated with regard to distribution saset work orders, PGSE is unable to provide the number of past due asset work orders, categorized by age, in the HFTD fron C1 2020 through C3 2022. On the page 502 of your post of the PGSE was unable to provide the number of past due asset work orders, categorized by the HFTD is a fested above. In the page 502 of your post of the PGSE was unable to provide the number of past due asset work orders, by the PGSE was the did above.	a) At the time of filing the 2023 – 2025 WMP, PCRE did not have the capability to extract the data at the granutarity requested. Therefore, PCRE view unable to control the control of the production of the production of the control of the Caustrely Distal Report, Table 1, metior 7 as a proxy to generate the number of past due asset work cortex. b) Throughout 2023, PCRE has improved its "data" extraction capabilities and is now alter to provide this data after requested granutarity. These capability has improved the provide this data after the requested granutarity. These capability has improved possibilities. This semi-automated process will now allow us to pull data more residily, and at the granutarity desired.	10/26/2023	8.1.7	Open Work Orders	NIA
476	CaPA	Set WMP-31	CalPA_Set WMP-31	4 CaPA_Set WMP-31_Q4	The following questions perials in PG&Es 2023 - 2025 WMP Revision 3, submitted on September 27, 2023. Section 8.1.7.2 — Open Work Orders — Distribution Tags in PG&E's 2023 – 2025 WMP R3 discusses a subset of open works orders referred to an 'ignificant-risk' lags. Please provide a table similar is Table 8.5 flor all past due, which is the provide of the provide a table similar bit Table 8.5 flor all past due, which can be provided by Age (through September 30, 2023). Where of 'Smithor flats' Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023). 1.5 Diags. 1.5 D	Please see the table below for the requested information. Number of "gritton Rish" Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 022)) HFTD Area 0 - 50 Days 31 - 60 Days 91 - 180 Days >181 Days Non- HFTD 32 26 464 2077 HFTD Text 2 1, 191 A480 25 25 66 0,512 HFTD Text 2 1, 191 A480 25 25 66 0,512	10/28/2023	8.1.7	Open Work Orders	NIA

477	CPUC - SPD (Safety Policy Division)	011	CPUC - SPD (Safety Policy Division)_011	1	CPUC - SPD (Safety Policy Division)_011_01	Provide calculations that justify Table RN-PG&E-23-05-3. Explain specifically how Risk Avoidance over Lifetime Benefit is calculated from Total Risk, (page 55 of PG&E's 2023-2025 Wildfire Mitigation Plan (WMP) — Supplemental Revision Notice Resporse)	In Critical Issue RN-PGSE-23-05, PGSE explained that in response to the Commission's decision in the Risk-Based Decision-Making Framework DR (PBDMP).1 was are in the process of constructing a benefitious mode.1 The mode will incorporate mode. PGSE of the PGS	10/17/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipments
477	CPUC - SPD (Safety Policy Division)	012	CPUC - SPD (Safety Policy Division)_012	1	CPUC - SPD (Safety Policy Division)_012_Q1	Provide calculations that justify Table RN-PG&E-23-05-3. Explain specifically how Risk Avoidance over Lifetime Benefit is calculated from Total Risk, (page 65 of PG&E's 2023-2025 Wildline Mitigation Plan (WMP) – Supplemental Revision Notice Response)	Please see "WMP-Discovery2023_DR_SPD_012-Q001Alch01 xisos" for the visual and underlying data. This chart has not been updated. PGSE expects to update this chart in 20 of 2024 as yet of the Resk Assessment and Mitigation Phase (PAMP) filling. Please note, there was a non-material correction in the visual data labels. Both the original and corrected visual data labels are provided in the stackment.	11/15/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
478	CPUC - SPD (Safety Policy Division)	011	CPUC - SPD (Safety Policy Division)_011	2	CPUC - SPD (Safety Policy Division)_011_Q2	Provide a numerical justification that shows the risk from (outages or other sources) for EPSS compares to benefits of EPSS (less widtlies, others?). SPD would prefer the analysis performed using cost benefit ratios (similar to the shown in Table NP-Q6E-22-05-26).	Please see PG&E's response to Question 1 of this data request.	10/17/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
479	СвРА	Set WMP-32	CalPA_Set WMP-32	1	CalPA_Set WMP-32_Q1	Flates provide the following data for the years 2000, 2021, 2002, and 2003: a) Namber of miles of underground distribution that FOAE installed as part of overhead-to-undergrounding conversion projects for the purpose of unitide risk reduction. b) Namber of miles of overhead distribution PCAE removed as part of the same projects in part (a).	Please see the table below with the data requested for subparts a and b. a) Please see row (p. U.M. Mes Completed included are the mile of underground primary distribution inser installed each year 2000-2012 for the purposes of wideline primary distribution inser installed each year 2000-2012 for the purposes of wideline and the primary of the prima	11/14/2023	7221	Wildfre Mitigation Strategy Development	Projected Overall Risk Reduction
480	СыРА	Set WMP-32	CalPA_Set WMP-32	2	CalPA_Set WMP-32_02	Please provide the same information as requested in Question 1 for undergrounding projects that fall into each of the following categories: a) Situa 20 undergrounding. a) Situa 20 undergrounding. b) Any other undergrounding not included in Question 1 or parts a and b of this question.	Please see the table provided below with the data requested for subparts a - c. a) please see row (ARL Red. To Michael see the undergrounded miles of primary data floation inten in Yapin Fren Timed Districts (HTTD) and/or High Fren Risk Areas data floating in the primary floating in the primary data floating in the primary floating in the primary data floating in the primary floating in the primary data floating in the primary floating in the primary data floating in the primary floating in the primary data floating in the primary floating in the primary data floating in the primary floating in the primary data floating in the primary floating in the primary data floating in the primary floating in the primary data floating in the primary float	11/14/2023	8.122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
481	CNPA	Set WMP-32	CalPA_Set WMP-32	3	CMPA_Set WMP-32_Q3	Phase provide copies of all current, side-source contracts PG&E has executed with other entities with regard to any of the following: a) Supplies of malerials included to distribution undergrounding projects. c) Entities who seeds FG&E with phanting, permitting, environmental review, and other similar non-construction tasks related to distribution undergrounding projects. (c) Any other entities who provide goods or services to PG&E in relation to distribution undergrounding projects.	The distributions to this response contain CONFEDENTAL information and are being provided pursuant to the accompany confidentially declaration "WHP Discovery0232_DR_Caldvocates_032-0302_Ordiferentially Declaration." JOSE Construction was a contact process. That infrores sale and foresterned process and process and process and accompany of the process and documents contracts that are not preferred supplies (generally makes environment or colline agreement supplies). POSE currently uses a Direct Award Documentation (DAD) agreement supplies. POSE currently uses a Direct Award Documentation (DAD) agreement supplies. POSE currently uses a Direct Award Documentation (DAD) agreement supplies. POSE currently uses a Direct Award Documentation (DAD) agreement supplies. POSE currently uses a Direct Award Documentation (DAD) agreement supplies. POSE currently uses a Direct Award Documentation (DAD) agreement supplies. POSE currently uses a Direct Award Documentation (DAD) and process an	12/1/2023	812	Grid Design, Operations, and Maintenance	Grid Design and System Hardening

482	СыРА	Sel WMP-32	CalPA_Set WMP-	2 4	CaPA_Set WMP-32_Q4	Describe all vegetation management activities that PCBE typically performs around the foliowing line types. In your responses to parts (b) through (d), please describe (f, and in what ways, PCBE's vegetation management activities for that category meaningful differ companied to your response to part (a); a) Aboveground distribution associational in FTDHFFR. b) Aboveground distribution secondaries located in HFTDHFFRA. d) Right-of-way for underground distribution located in HFTDHFFRA.	any two remapters test questions to adoresse trivinary processors to any and a trivial to the longing programs test great work on CH laborities and TAVIC The following programs testing on CH laborities and test enterousis. and test enterousis. Phinting in mariatin in florised or year-cond designed cells of PTD and HFRA Phinting in mariatin in florised or year-cond designed cells of PTD and HFRA Phinting in mariatin in flores of year-cond designed cells of PTD and HFRA Phinting in mariatin in flores of year-cond designed in the processor of th	11/14/2023	82	Vegelation Management and Inspections	N/A
483	СвРА	Set WMP-32	CalPA_Set WMP-	2 5	CaPA_Set WMP-32_QS	Please estimate the typical, annual cost per mile of vegetation management activities that PGSE performs around the following line type: 1) Aboveground distribution secondaries located in HFTDHFRA. 3) Aboveground distribution secondaries located in HFTDHFRA. 3) Reptof-way for underground distribution tocated in HFTDHFRA. 3) Right-of-way for underground distribution located in HFTDHFRA.	ET Uturavailable TRU Uturavailable VMOMU travailable VMOMU travail	11/14/2023	8.2	Vegetation Management and Inspections	N/A
484	CaIPA	Set WMP-32	CalPA_Set WMP-	2 6	CalPA_Set WMP-32_Q6	Call Advocates understands that, in every project to replace overhead bare distribution with covered conductor, PSSE performs pole loading calculations for every pole in the project. a) is the above that methicization correct Prease elaborate if incorrect. In the control of the control o	a) PCAEE performs pole loading calculations for every pole that will be supporting the convent constitutor. b) PCAEE atheres to the requirements of General Order 98, Rule 4.1, naddition, for covered conductor projects, we adhere to our fire seas design guidance, which is convent conductor projects, we offere to our fire seas design guidance, which is included as attachment "WMP-DiscoveryQU23_DR_CaltAviocates_032". c) Pleases see the response to subport (I), which explains the guidatiless we follow. d) Not applicately cleans see the response to subport (I).	11/14/2023	7.2	Wildfire Mitigation Strategy Development	Wildlire Mitigation Strategy
485	СвРА	Sel WMP-32	CalPA_Set WMP-	2 7	CaPA_Set WMP-32_Q7	Please provide the results of all pole loading calculations performed as part of all bare-to-covered conductor replacement projects in 2002 and 2002 (as of Odober 1, 2002). This should contain the following at minimum: a) Pute IDs. b) Estimated safely factor before conductor replacement (bare conductor). c) Estimated safely factor before conductor replacement (bare conductor). c) Estimated safely factor before conductor replacement (bare conductor). c) Whether the pole was actually replaced.	GODTANOT Last for the list of pole loading calculations performed as pair of covered conclucior projects but were constructed in 2022 and have completed the quality consideration of the control of the	11/14/2023	72	Wildfire Mitgation Strategy Development	Wildfire Mitgation Strategy
486	CalPA	Set WMP-32	CalPA_Set WMP-	2 8	CalPA_Set WMP-32_Q8	For each year from 2000 through 2002, please provide ten randomly-selected pole loading calculations performed as part of a hare-b-covered conductor replacement project. For these calculations, please provide: 3) The fall calculation input(s), 5) The fall calculation input(s), 6) Any interpretations associated with the calculation (for example, an engineer's determination that the calculation demonstrates a pole must be replaced).	Projects constructed in 2023 are still undergoing quality verification and have not been included.	11/14/2023	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
487	OEIS	015	OEIS_015	1	OEIS_015_Q1	Repeting confirmation of 2024/2025 bargets. a PGEE's 2023-2025 WMP Revision 3 Table 8.1.7.2 (page 555) shows that PGEE expects to close 66.200 backlog distribution (print in sits page 1024 and 59,000 backlog distribution (print in sits page 1024 and 59,000 backlog distribution (print in sits page 1024 and 59,000 backlog distribution (print in sits page 1025. PGEE's targets in Tables 8-3 and RM-PGEE-22-04-2 do not reflect the same expected number of backlog spirition tage 1024 and 1024 backlog distribution backlog spirition (page 1024 backlog distribution) backlog spirition (page 1024 backlog distribution) backlog spirition (page 1024 backlog distribution) backlog distribution participation (stage 1024 backlog distribution) printion (stage in 2024 and 59,000 backlog distribution) printion (stage in 2025 (Table 8.17-2, page 555) to the targets outlined in Tables 8-3 and RN-PGEE-23-04-2.	It The discrepancy between the two tables reflects expected multi-year planning values as companed to the minimum required lags to meet our risk reduction largets. The 46,000 lags represent the minimum amount of lags needed to meet our 65% widdle misk reduction in the tag backlog, which vais set as the target in our bridst make the control of the co	11/8/2023	8.1.7	Open Work Orders	N/A

488	CalPA	Set WMP-33	CalPA_Set WI	MP-33 1	1	CaPA_Set WMP-33_Q1	Please provide an Excel sheet listing (as rows) each asset work order (or "lag") that was open as of June 30, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns: a) Work order D (number and tag) and tag) the second of the second order of the second of the se	Please see altachment "WMP-Discovery2023_DR, CalAdvocates_003- GOD/AdolD1.stx* for the requested data. The data in outbress A Roscaph of the attachment has been provided from the 2023 Q2. The data in outbress A Roscaph of the discovering 15 is A of 5, or where the utility-specific priority level at the end odQ2 is A or 8 (borne MT). Two columns, K and L. have been provided for the date the tay was completed in and column. In Calcates the date the work was completed in the feld and column. Incloades the date of bosure in SAP. Field completion and closure dates were pulled on November 21.	11/28/2023	8.1.7	Open Work Orders	N/A
489	CalPA	Set WMP-33	CalPA_Set WM	IP-33 2	2	CalPA_Set WMP-33_02	Preser provide an Excel sheet listing (as rows) each asset work order (or "bag") that was open as of September 25, 2023, and was a Level A or B bag. For each bag, provide the following information in separatic columns: a) Work order ED number b) Equipment type: c) Experiment by Experiment (by Experim	On November 11, 2023, PGAE confirmed with Call Advocates that providing data as of September 30, 2023, is sufficient for this response. Please see attachment "WHPD Discovery 2023 DR CallAdvocates, 2033- 002024/bolt size for the requested data. The data in column A Prough J of the distachment has been provided from the 2023 QS QDR for any tags where the original priority (column F) is A or B, or where the utility specific priority level at the end of QS is A of B (column M). Two columns, A and 1, have been provided for the data the tag was completed and closed. Column K indicates the data the work was completed SAP. Field completion and closure dates were pulled on November 21.	11/28/2023	8.1.7	Open Work Orders	N/A
490	CalPA	Set WMP-33	CalPA_Set Wi	MP-33 3	3	CaPA_Set WMP-33_Q3	Please provide an Excel sheet listing (as rows) sexth asset work order (or Tag') that was open as of November 8, 202, and was a Level A or B tag. For each tag, provide the following information in all Vision order ID number 1). Equipment type: a) Work order ID number 1) Equipment type: b) Equipment type: c) HETD Set of 1) Asset type: c) HETD Set order ID printify level of the tag order type of the type of type of the type of type of the type of type of the type of type of the type of type of the type	Please see altachment "WMP-Discovery2023_DR, CalAdvocates_003- Q003Mch0f1.dar.for the requested data. Q003Mch0f1.dar.for the requested data. Quarterly Data Report logic run on November 9, 2023. Since the QDR pulls from a database that lags SAP by one day, the doubt reflects the data in SAP be in November 6, 2023. The data in columns A through J has been provided for lags where the original priority (column F) is A of B, or where the disting-specific profive ele on November 6 a or 8 (column N) in vocalumns, K and L, which is the data of the columns of the data of	11/28/2023	8.1.7	Open Work Orders	N/A
491	CuPA	Set WMP-34	CalPA_Set Wi	14P-34 1	1	CaiPA_SetWMP-34_Q1	The following questions pertain to PGAE's 2023-2025 WMP Revision 3, submitted on September 27, 2023. Page 1122 of your 2023 WMP R3 discusses the 2022 EPSS Reliability SMJuly's Multiple Outage Reviews (MOR), Planing Energy Patriers PCAE Independent Salely Montrol Statu Uplace Report, Cobber 6, 2023 (MM Report 3) also discusses the MOR program of post program of	In the summer of 20022, an initial Multiple Outlage Review and Evaluation (MORE) process began, with the objective to examine circulas where there was an increased the equacy of customers separiencing EPS coulques. The day logical preview was no separated to the control of the country of th	1/19/2024	ACI 23-05 Updating Grid Hardening Decision Making	Grid Operations and Procedures	Protective Equipment and Device Settings
492	CuPA	Set WMP-34	CalPA_Set Wi	#P-34 2	2	CalPA_Set WMP-34_Q2	a) Please explain the criteris for including a CPZ in a MOR for 2002. b) Please explain the criteris for including a CPZ in a MOR for 2003. c) Please explain the criteris for including a CPZ in a MOR for 2003. c) Please explain the criteris for not including a CPZ in a MOR for 2003. d) Please explain the criteris for not including a CPZ in a MOR for 2003.	The offense for a Multiple Outlage Review and Evaluation (MORE) reviewed in response to an increased marther of outsomers openerizing outlaged but to EPSS protection across the system. The MORE process was formalized in 2023 and serviced from a circuit level wive to increase of martine or the control of t	1/19/2024	ACI 23-26 Evaluation and Reporting of Safety Impacts Related to EPSS	Wildlife Miligation Stralegy Development	N/A
493	CalPA	Set WMP-34	CalPA_Set Wh	(P-34 3	3	CaIPA_Set WMP-34_Q3	Regarding circular with EPSS capabilities: a) Provide a table or Exci better of complaints and calaims filed by customers related to outages on circular with EPSS sellings enabled at the time of outage. For each tem, provide the following information in separate columns. The Circult rame and Dil associated with the complainant; The control of the complaint of claim was received; Description of each complaint of claim was received; Description of each complaint claim. Description of the complaint claim. Description of	a)	1/19/2024	ACI 23-05 Updating Grid Hardening Decision Making	Grid Operations and Procedures	Protective Equipment and Device Settings
494	CaPA	Set WMP-34	CalPA_Set Wi	MP-34 4	4	CalPA_Set WMP-34_Q4	PGES 2023 WMP R3. p. 1048, states "Name changes including the absorption of CPZs into others resulting in the original CPZ to to prope existing." Additionally, p. 410, in Table RNP-GES-23-65-1 (Circuil Segments in the 2022 WMP Undergrounding Workplan) and UN tot Listed in the 2023-2005 (Independently Revisional Revisions) and the CPS 2025 (Independently Revisions) and the regist of other grid design changes such as switching countries. The present of the grid of other grid design changes such as switching countries. The present of the revision of the season of the revision of the rev	as PGER's circuit segment examing convention for a Circuit Protection Zone (PCP) is a concententation of hypolicity for the (%) gill obligation (but not (s)) (s) Finder of the Concententation of the policity for the (%) gill obligation (but not with the term CPCP bytacity refers to the segmentation of usur (many distribution system using only SCADA enabled (e.g., remote access) oblinices, differing PGER programs may commonly use this term to describe the segmentation of the same system based on the special control of the same system based on the same sy	1/22/2024	ACI 23-05 Updating Grid Hardening Decision Making	Grid Operations and Procedures	Protective Equipment and Device Settings

495	CaPA	Set WMP-34	CalPA_Set WMP-:	4 5	CalPA_Set WMP-34_OS	Provide an Exed spreadsheet of all distribution circuits in HFTDa or High Fire Risk Areas (HFRAs), or crossing HFTD and HFRA boundaries, existing as of January 1, 2023 (as rows) that includes the following information in separate columns: a) Circuit No. b) County c) Total Columns: a) Number of CPZs contained on the circuit c) Circuit SARI to 2017 c) Circuit SARI to 2019 c) Circui	Please see "WMP-Discovery2023-2025_DR_Call-divocates_094-0005Acta01 user for sub-parts a la and e.q. Disa for liquid-part of and county (sub-part of are excluded user of a county (sub-part of are excluded user of a county	1/22/2024	ACI 23-05 Updating Grid Hardening Decision Making	Grid Operations and Procedures	Protective Egypment and Device Settings
496	CaPA	Set WMP-34	CalPA_Set WMP-	4 6	CaPA_Set WMP-34_06	Please divide the data presented in question 5 into performance quartities based on SADI and SAPI. (In example table is included below the question's subgrats.) a) Of the distribution circuits listed in response to Question 5, identify, in Excel spreadsheet format, the best performing (i.e., circuits experiencing list, less less marked of disustance duslage); 25% circuits by average combined by Orth distribution circuits listed in response to Question 6, identify in an Excel spreadsheet format the vorst performing (i.e., circuits experiencing he most sustance duslage); 25% circuits by average combined SAPI for years 2017 to 2019 in each of your divisions. Old Charles of the Charles of	Please see "WMP-Discovery2023-2025, DR, Call Advocates_034-0005Ald:01.xtsx* for sub-parts a-d.	1/22/2024	ACI 23-05 Updating Crid Hardening Decision Making	Grid Operations and Procedures	Protective Equipment and Device Settings
497	CaPA	Set WMP-34	CalPA_Set WMP-	4 7	CsIPA_Set WMP-34_Q7	Use the strict table that lists (ar rows) each statistined outage that occurred from January 1, 2017 involph December 31, 2020 on may of the critis identified in jour repropers to Question 6. For each outage, the Excel table should include the following information in separate columns: 3) Clarge ID 3) Clarge ID 4) Clarge ID 5) Clarcut Name 6) Division 9) Was EPSS enabled on this circuit at the time of the outage? 9) When was this circuit made EPSS-capable? 10) When was this circuit made EPSS-capable? 10) Clarge ID Glob W & Time 11) Clarge ID Glob W & Time 12) Clarge ID Glob W & Time 13) Clarge ID Glob W & Time 14) Clarge ID Glob W & Time 15) Clarge ID Glob W & Time 16) Clarge ID Glob W & Time 17) Clarge ID Glob W & Time 18) Clarge ID Glob W & Time 19) Clarge ID Glob W & Time 10) Clarge ID Glob W & Time 11) Clarge ID Glob W & Time 12) Clarge ID Glob W & Time 13) Clarge ID Glob W & Time 14) Clarge ID Glob W & Time 15) Clarge ID Glob W & Time 16) Clarge ID Glob W & Time 17) Clarge ID Glob W & Time 18) Clarge ID Glob W & Time 18) Clarge ID Glob W & Time 19) Clarge ID Glob W & Time 19) Clarge ID Glob W & Time 19) Clarge ID Glob W & Time 10) Clarge ID Glob W & Time 11) Clarge ID Glob W & Time 12) Clarge ID Glob W & Time 13) Clarge ID Glob W & Time 14) Clarge ID Glob W & Time 15) Clarge ID Glob W &	It sustained outages with information for a-e, and g-t are provided in "WMP-Discovery2023- 2025, DR_CalAdvocates_034-0207/kdoff-size." In regard to sub-part (2025_DR_CalAdvocates_034-0207/kdoff-size." PSS capable is previded in "WMP-Discovery2023- 2025_DR_CalAdvocates_034-0207/kdoff2-size."	1/22/2024	ACI 23-05 Updating Grid Hardening Decision Making	Grid Operations and Procedures	Protective Equipment and Device Settings
498	CaPA	Set WMP-34	CalPA_Set WMP-	4 8	CaPA_Set WMP-34_08	Provide an Execut state that lasts (as rows) each momentary cathage that occurred from January 1, 2017 through) December 51, 2022 on any of the critical selettation (any components Ouestion 6. For each outage, the Excel table should include the following information in separate columns: a) Outage 10 c) Cloral 10 d) Division e) Was EPSS enabled on this circuit at the time of the outage? f) When was the circuit made EPSS-capable? f) When was the circuit made EPSS-capable? f) Quage End Day & Time f) CSS (Cloral of Columners Experiencing Sustained Outages) f) CSS (Cloral of Columners Experiencing Sustained Outages) f) CSS (Cloral of Columners Experiencing Sustained Outages) f) CSS (Cloral particular of customers Experiencing Sustained Outages) f) CSS (Cloral particular of response to the momentum outage?	All momentary subgree with information to see, end of are provided in "YMM" Discovery2022- 2025. DR Collektrockets 034-0500Methot lake "in regard to subgraft," the information of when the circuit was first made EPSS enabled is provided in "WMP Discovery2022- 2025_DR_Collektrocates, 034-05007Atch02.dax.	1/22/2024	ACI 23-05 Updating Grid Hardening Decision Making	Grid Operations and Procedures	Protective Equipment and Device Settings
499	CalPA	Set WMP-34	CalPA_Set WMP-:	4 9	CalPA_Set WMP-34_Q9	Regarding PCAE's 2021 Reliability Report PCAE stated "Sate reliability projects have been initiated on Garberville 1101 crount to minimize the impacts of EPSS and taking a more surgical approach in applying EPSS settings when the circuit is most after its "3." However, PCAEE did not report an EPSS outage for Carberville 1101 in 2021 9 PCAE's first reported outage on Garberville 1101 was on July 24, 2022 10 which was after the 2021 Reliability Report was published. Please explain this discrepancy.	We confirm that Gartherviller 101 had no 2021 outages categorized as EPSS outages are reported in PCES Jaumay Monthly RepOTT2 . The proposed base reliability projects (Puss Saver installation) as stated in PCSEE > Annual Electric Distribution Reliability Report 2021. Report 20	1/19/2024	ACI 23-05 Updating Grid Hardening Decision Making	Grid Operations and Procedures	Protective Equipment and Device Settings
500	CalPA	Set WMP-34	CalPA_Set WMP-	4 10	CalPA_Set WMP-34_Q10	Regarding PG&Es 2027 Reliability Report PG&Es taled "Base reliability project has been initiated on Otter 1102 circuit to inminish be impracted EFS	In Paces, cansary sucreary response. The proposed bear entiability project (Fuse Saver installation) as stated in PGER Annual Electric Distribution Reliability Report 2021, which was published following the 2021 FPSS pilot effort and informed by learnings of that pilot, were identified as a proactive strategy to both minimize wildfire risk while also providing reliability improvement benefits under EPSS enablement conditions.	1/19/2024	ACI 23-05 Updating Grid Hardening Decision Making	Grid Operations and Procedures	Protective Equipment and Device Settings
501	CaPA	Set WMP-34	CalPA_Set WMP-	4 11	CNPA_Set WNIP-34_Q11	In PG&E's November 2023 EPSS Monthly report, PG&E reports that there have been 20 outages on EPSS- table 1. The period of the pe	s) Yes, a Distribution outage may occur as a result of an outage on an EPSS-enabled Transmission The Transmission Time. The Property of the Test St. Monthly Report present the outages on Distribution lines that resulted from outages on Transmission lines while EPSS estings were enabled. c) Pleases see response b) allows. d) Pleases see response b) allows. d) Transmission First St. Allows and transmission lines to reduce impacts on the bulk electrical system. By design, these farmamission lines to reduce impacts on the bulk electrical system. By design, these transmission lines serve as the only romant source for the substitution by they lead and as such, distribution. This would be true when there is an outage on those transmission circuit. This would be true when there is an outage on those transmission circuit.	1/19/2024	ACI 23-05 Updating Grid Hardening Decision Making	Grid Operations and Procedures	Protective Equipment and Device Settings
502	CaiPA	Set WMP-35	CalPA_Set WMP-:	5 1	CalPA_Set WMP-35_Q1	In Table 9-2 of PGSE's 2023-2025 WMP R4 submitted January 8th, 2024, PGSE indicates that system hardwring is planned for certain frequently de-energized circuits. Please explain Table 5-2 by providing the system of the providing the providi	Please see attachment "WMPD Discovery/2023-2022. DRC Colled-rocates, 035-000 (Ashoff Lake for an updated Table 6- 2 as of February 12.024. We included the original Table 8-2 of CadeS 2023-2025 WMPP Rel in columns 8 Da Lord appended a new column, column K, with updated information about Measures Taken, or Flammed to be Taken, to applicate a new column, column K, with updated information about Measures Taken, or Flammed to be Taken, to make the column of the col	2/23/2024	2.1.1.3 PS-07: Reduce PSPS Impacts to Customers	Identification of Frequently De-Energized Circuits	N/A

503	CaIPA	Set WMP-36	CalPA_Set WM	2-36	1	CaPA_Set WMP-36_Q1	PGAE provided the following table in the response to Call-Advocates-PGE-2023WMP-08 question 5: Please provide an updated table showing actual values for 2023 and forecast values for 2024, with the EVM transitional program disagglegated into the three initiatives described in PGAE's response to Call-Advocates-PGE 2023WMP-06, OS: 1.Tree Removal Inventory 2.Focused Tree hispections 3.VM for Operational Mitigations.	Please see the updated table below for the requested information. 2022 Articular (n. § 1,00c) 2023 Articular (n. § 1,00c) 2024 Freezest (n. § 1,00c) 2024 Freezest (n. § 1,00c) 2024 Freezest (n. § 1,00c) 2025 Fr	3/29/2024	ACI 23-19 Continued Progresion of Vegatation Management Maturity	NA	N/A
504	CuPA	Set WMP-36	CalPA_Set WM	2-36	2	CaPA_SetWMP-38_Q2	Please disaggregate the data in Table 11 of PG&E's 2023 Q4 GDR such that there is only one Utility Initiative Tracking D for each now. If this is not possible, please explain why and clarify the methodology for grouping certain tracking Ds.	Please neter to the upcoming 2023 WMEP Annual Report on Compliance (ARC) test PAGES is filling with motified confirmation scheduler of 12, 2024. We will provide CB Advocates a copy of this document once it is finalized and filled with the test provide confirmation of the complete confirmation of the com	3/29/2024	QDR	N/A	N/A
504	CalPA	Set WMP-36	CalPA_Set WM	36 2F	REV	CalPA_Set WMP-36_Q2REV	Please disaggregate the data in Table 11 of PG&E's 2023 Q4 QDR such that there is only one Utility Initiative Tracking D for each row. If this is not possible, please explain why and clarify the methodology for grouping certain tracking Ds.	Please reference "VMM-Discovery0202-2025, DR. Calidvicostes 036- 0002Suppl 04Ario) pdf for a copy of the 2023 VMM Panual Report on Compliance (ARC) and please reference "VMM-Discovery02023-2025 DR. Calidvicostes _036- 0002Suppl 04Ario/2 xsfs' for associated attachments to the ARC.	4/9/2024	QDR	N/A	N/A
505	CalPA	Set WMP-36	CalPA_Set WM	2-36	3	CalPA_Set WMP-36_Q3	Table 7 of PG&E's 2023 Q4 CDR does not reflect the planned or actual net addition or removal values reported in Table 8. Solid Registria this discrepancy. b) is Table 7 or Table 8 accurate?	s) The data used in Table 7 is enturbed from FORE's CSI is systems, and other critical databases. The data in FORE's CSI is system are also suitilized for the submission of the Spatial Quarterly Data Report Der the Data Guidelines, Table 1 be submission of the Spatial Quarterly Data Report Der the Data Guidelines, Table 2 provides as summary of projected and suchar additions or removals of equipment in their service tentritys process envice area designations. ToGE interprets Table 8 as the Quarterly Net Change in system year over-year. For example, the calculation for QT 2023 relative bases the collection of QT 2023 relation of the QT 2023 relati	3/29/2024	QDR	N/A	N/A
506	CalPA	Set WMP-36	CalPA_Set WM	×-36	4	CaIPA_Set WMP-36_Q4	Table 8 of PCAEs, 2023 OL GDR reports on the stillty's infrashruture supprades. 3) Peans provide clastification on the PCAE independs and uses the term stilly infrastructure supprades. b) Per data guideline version 3.2 Perevulsas should be Primeric 9. or blank." Please explain the negative values reported for metric number 1.d.3.c. in Q3 2023 and Q4 2023.	all For our 2023 GDR sedemaiours, the term 'stilly infrinshructure upgrades' encompasses all work performed under GHO-1, specifically overhead conductor hardering; undergrounding, and line removal. Additional details alloud this work can be considered to the control of the co	3/29/2024	QDR	N/A	N/A
507	CaPA	Set WMP-40	CaliPA_Set Wilv	2-40	1	CaPA_Set WMP-40_Q1	PG&E statles on page 23 of its 2025 WMP Update regaarding its workplan for undergrounding and covered conductor projects. PG&E is currenly referring our workplans for both overheads hardwring and undergrounding projects through fire PG&E is currenly of 2020 in societies for their direction provided in 10.25 11.05 M, we explain the workplan is accounted (2020) in societies for their direction provided in 10.25 11.05 M, we explain the workplan is accounted for underscaped positions in the size of 2023 3.2525 WMP of interformally building additional miles into the workplan in accounter for underscaped page is individual projects such as properly societies, weather, permitting, later digital accounted in the societies, or other constraints. Thus, some of the projects included in the workplan may be provided in the societies. Tendal additional projects may be identified and added to the workplan going forward for potential completion between 2023 and 2026. 9) Pleases letted PG&Es intended cost recovery venue for the abovementioned undergrounding projects not completed in the 2022-26 timeframe. 1) Please identify PG&Es intended cost recovery venue for the abovementioned overhead hardwring projects not concepted in the 2022-26 timeframe. 2) Please identify PG&Es intended cost recovery venue for the abovementioned "additional projects" that may be identified and added to the workplan.	a. The cost recovery venue for undergrounding projects depends on the year in which the project becomes presentated (i.e. is described). Any undergrounding project make operational in 2022-2023 will be recovered through Pro2Et's 2023 General make operational in 2022-2023 will be recovered through Pro2Et's 2023 General make operational in 2022-2023 will be recovered through Pro2Et's 2023 General make of the property of the prop	4/10/2024	2.1.1.2 GHAM Undergrounding	Section 8.1.2 - Cald Design and System Hardening	8.12.2 Undergrounding of electric lines and/or equipment
508	СаРА	Set WMP-40	CalPA_Set W/J	2-40	2	CaPA_Set WMP-40_C2	PC&E states on page 23 of fis 2025 WMP Update regarding its workplain for undergrounding projects: PC&E is currently reflaring our workplains for both overhead hardering and undergrounding projects through the end of the CRC period (2026) to account for the direction provided in 10.24-11-080. Additionally, PC&E is blass 2023-2025 WMP file is page 406 thatsis annual undergrounding mileage targets or Additionally, PC&E is blass 2024-2025 WMP in the 2025, and 446 miles in 2006. With respect to undergrounding projects specifically, and the project blass annual risk reduction harget to be advised by undergrounding in the 2023-2025 WMP period as a whole, does PC&E currently expect to laist hard of, meet, or exceed the risk reduction target 100 According to PC&E surent workplain, what is the mount of risk reduction target. Expects to achieve in 2024 due to undergrounding projects? 2) It has does your carever to part (b) compare to the risk reduction target established in D.23-11-0897 and the 2025 According to PC&E surently orders. 2025 due to undergrounding projects? 3) It was not been considered to the project of the control of the reduction target established in D.23-11-0897 and the 2025 According to PC&E arricles to achieve in 2025 According to According t	C. Please see the responses to subgrafts (a) and (b) for the requested information. of 19% by 2025. Suring the risk reduction responses to receive the response of 19% by 2025. Suring the risk reduction responses of 19% by 2025. Suring the risk reduction responses of 19% by 2025. Suring the risk reduction responses of 19% by 2025. Suring the risk reduction responses of 19% by 2025. Suring the risk reduction responses of 19% by 2025. Suring the risk reduction responses to 19% by 2025. Suring the risk reduction r	4/10/2024	2.1.1.2 GHA4 Undergrounding	Section 8.1.2 - Grid Design and System Hardening	8.122 Undergrounding of electric lines and/or equipment

509	CaPA	Set WMP-40	CalPA_Set WI	P-40 3	CaPA_Set WMP-40_Q3	PG&E slates on page 23 of its 2025 WMP Update regarding its workplan for covered conductor projects: PG&E is currently retiring our workplans for both overhead hardering and undergrounding projects through the With respect to overed conductor projects specifically. a) D23-11-069 sets annual risk reduction targets to be achieved by installing covered conductor in the 2023-2028 WITP period as a whole, does PG&E corrently spect to fall short of, meet, or exceed the risk reduction target established in the PG&E correcting? 2024 due to covered conductor projects, what is the amount of risk reduction that PG&E expects to achieve in 2024 due to covered conductor projects, what is the amount of risk reduction that in D2.31-10679 3) According to PG&E counter workplant, what is the amount of risk reduction that in D2.31-10679 3) According to PG&E counter workplant, what is the amount of risk reduction that PG&E expects to achieve in 2015 According to PG&E counter workplant, what is the amount of risk reduction that PG&E expects to achieve in 2016 According to PGAE counter workplant, what is the amount of risk reduction that PG&E expects to achieve in 2016 According to PGAE counter workplant, what is the amount of risk reduction that pGAE expects to achieve in 2016 According to PGAE counter workplant, what is the amount of risk reduction target established in D2.31-10697 2) For does your answer to part (a) compare to the risk reduction target established in D2.31-10697 2) To be PGAE and the PGAE expects to achieve in PGAE expects to achieve	as Public International for their unknown and international projects continued in the Continued International Continued Intern	4/10/2024	2.1.12 GH-04 Undergrounding	Section 8.1.2 - Grid Design and System Hardening	8.12.1 Covered Conductor Installation— Distribution
510	CalPA	Set WMP-40	CalPA_Set WI	P-40 4	CalPA_Set WMP-40_Q4	PGES tatles on page 25 of its 2025 WMP Update: "PGES proposes to add a 2025 target (System Hardening – Transmission Conductor's Segment Replacement (GM-11)) to perform conductor segment replacement on two transmission lines." a) Was the abovementioned work requested and sulfuriorized in PGES T fest Year 2023 GRC? b) If yes, please provide the enhibit and page number in PGES T fest Year 2023 GRC? c) If yes, please provide the final sulfuriored funding amount for this program as set forth in D 23-11-059, with a citation to the referent pages of that decision.	a) No. System Hardening - Transmission Conductor Segment Replacement was not forecast or authorized in the 2023 General Ratic Case (GRC). b) Not applicable, please see the response to subpart (a). c) Not applicable, please see the response to subpart (a).	4/10/2024	2.1.1.2 GH-04 Undergrounding	Section 8.1.2 - Grid Design and System Hardening	8.1.2.5.1 Traditional Overhead Hardening – Transmission Conductor
511	CalPA	Set WMP-40	CalPA_Set WI	P-40 5	CalPA_Set WMP-40_QS	PGEE states on regar 3 of a 2005 VMP incline half is shortburing a new readile of its Willes Distribution files Medical Time and the state of the special regime in the state of the special regime in the properties of the propert		4/16/2024	Significant Updates to Risk Models (WDRM v4 & WTRM v2)	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
512	CalPA	Set WMP-40	CalPA_Set WI	P-40 6	CalPA_Set WMP-40_Q6	PGSE states on page 3 of 82 2025 WMP update that it is introducing a new evolution of its Writifitre Distribution Risk Model (WDRM), called WDRM vid. it states, "The outputs from the WDRM vid. are operated to inform some real-perioritized, state-origine was not other real-perioritized, state-origine was not other real-perioritized state-origine was not other states or perioritized only undergrounding projects that will be performed in 2015 and 2020? 2015 and 2020? 3015 the arrawset port (a) is yee, piessee explain how PGSE intends to report this risk reduction in its System Hardwing Accountability Report (SHAP) required by D.2.3-11.0808. 3015 WDRM video perior (SHAP) required by D.2.3-11.0808. 3015 WDRM video part (a) is yee, piessee (pilan video perioritized in the will be performed in 2025 and 2020? 3016 and were to part (a) is yee, please explain how PGSE intends to report this risk reduction in the SHAPR.		4/16/2024	Significant Updates to Risk Models (WDRM v4 & WTRM v2)	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
513	CalPA	Set WMP-40	CalPA_Set WI	P-40 7	CalPA_Set WMP-40_Q7	PGEE states on page 51 of its 2025 WMP Update than In response to XR JPGEE-23-05 – Updating Grid Hardening Declared Indians, "PGGEE advectings at WBCA Update Bernetic Ost, Analysis floot in composed cost effectiveness components, reliability considerations, and location-specific mitigation effectiveness calculations." PGGEE further states that undergourching projects Stooped with the WBCA in 2024 and 2025 will likely laws a consideration of the Component of the Component of the WBCA in 2024 and 2025 will likely laws a consideration of the Component of the Component of the WBCA in 2024 and 2025 will likely laws a consideration of the Component of the WBCA in 2024 and 2025 will likely laws a consideration of the Component of the WBCA in 2025 will like a 10 ft the answer to part (a) is use, please explain how this will be identified in the SHAR. If the answer to part (a) is use, please explain how this will be identified in the SHAR. If the answer to part (a) is use, please explain how the SHAR impropriet (a) and display in the WBCA in the SHAR impropriet (a) and display in the WBCA in the SHAR impropriet (a) and display in the WBCA in the SHAR impropriet of the SHAR impropriet or the SHAR impropriet or and the SHAR impropriet or the SHA	a. No. 19. System tracering occurate him Page-or 19.447 (regulared by 70.2+1.050) and the pro-less of the process of the proce	4/10/2024	ACI 23-05 Updating Grid Hardening Decision Making	Appendix D	11.4
514	CalPA	Set WMP-41	CalPA_Set WI	P-41 1	CalPA_Set WMP-41_Q1	a) Please list all client in fax socres generated by PGAE's WDRM v4. For example, WDRM v3 generated 17 different risk socres in part (a), please provide a category or brief description of the type of risk the score represents. b) For each risk score in part (a), please provide a brief explanation of hor PGAE indended to use that risk score. d) For each risk score in part (a), please let all PGAE widther mitigation instance that are informed by that risk score (if PGAE expects to stitze a risk score in part (a), please let all PGAE widther mitigation ristance in the fune, please so note), e) For each risk score in part (a), please state the part (a) and a score in part (a) please state the part (a) and a score in part (a) please state the granular level available for that risk score. For example, in WDRM (3), the most granular level available would be the risk score is score in part (a), please state the granular level available would be the risk score in part (a), please state the granular level available of the risk score in part (a), please state the granular level available for this score in part (a), please state the granularity at which the risk score is used to inform widther mitigation initiative e), or, corresponder, crount, invividual area, individual risk, or.		4/11/2024	Significant Updates to Risk Models (WDRM v4 & WTRM v2)	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
515	CalPA	Set WMP-41	CalPA_Set WI	P-41 2	CalPA_Set WMP-41_Q2	a) Please list all composite (or aggregate) risk scores generated by PGSE's WDRM v4. For example, WDRM v3 generated five composite risk scores. 9) For each risk score in part (a), please provide a category or brief description of the type of risk the score representation of the properties of the pr		4/11/2024	Significant Updates to Risk Models (WDRM v4 & WTRM v2)	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
516	CalPA	Set WMP-41	CalPA_Set WI	P-41 3	CalPA_Set WMP-41_Q3	Questions 3 and 4 refer to the risk scores generated from WDRM v4. This should be understood to refer to POGEs responses to questions 1 and 2 above. If POGE possesses geospatial data that is not in the specific format recepted in questions 3 and 4, by bases contact the originators to discuss the format data that is not in the specific question. 3 and 4, please contact the originators to discuss the format day on responses. Observed that the contact the contact the contact the possesses of the format of pour responses. Observed that the contact the contact the contact the possesses of the format of pour responses to the contact the following: I contact the contact the contact the contact the contact the following: I contact the contact the contact the contact the contact the following: I contact the contact declaring the most granular level available for each risk score independent of the contact the contact the following: I contact the contact th		4/11/2024	Significant Updates to Risk Models (WDRM v4 & WTRM v2)	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
517	CalPA	Set WMP-41	CalPA_Set WI	P-41 4	CalPA_Set WMP-41_Q4	Please provide a GIS file that details the risk scores at the same granularity that is currently used to inform wildfile miligation measures (as discussed in questions (1) and 2(1)). This file should cortain the following: miligation measures (as discussed in questions (1) and 2(1)). This file should cortain the following countries of the cortain of		4/11/2024	Significant Updates to Risk Models (WDRM v4 & WTRM v2)	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models

						Question o reters to the risk scores generated from WD/KM V4. This should be understood to reter to PG&E's					
518	CMPA	Set WMP-41	CaliPA_Set WMP-41	5	CMPA_Set WMP-41_Q5	response to questions 1 and 2 above. Please provide a pareadheed that lists (as rows) each circuit-segment that is included in the Wildline Distribution Ross. Molder Vt. This spreadbeet should include, at minimum, the Istiowing columns. Name of D marker of each circuit sugment. Circuit Trams for the circuit that each segment is part of. Circuit D for the circuit that each segment is part of. Circuit D for the circuit that each segment is part of. Circuit D for the circuit that each segment is part of. Circuit D for the circuit that each segment is part of. Office of the circuit segment (as applicable, e.g., for pixel-based sub-models). The pixel count of the circuit segment (as applicable, e.g., for pixel-based sub-models). The pixel count of the circuit segment (as applicable, e.g., for pixel-based sub-models). The risk value(s) associated with each pixel along the circuit segment (as applicable, e.g., for pixel-based sub-models). The risk value(s) associated with each asset along the circuit segment (as applicable, e.g., for easet-based sub-models). The risk per line mile of the circuit-segment (as applicable). Total circuit-miles on the circuit-segment. Total circuit-miles on the circuit-segment. Total ror-HPTD overhead circuit-miles on the circuit-segment.		4/11/2024	1. Significant Updates to Picak Models (WDTM v4 & WTTM V2)	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
519	CalPA	Set WMP-41	CalPA_Set WMP-41	6	CalPA_Set WMP-41_Q6	Pages 5-1 of PCAES-2002 WMP Update discuss version 4 of PCAES-willfare Consequence Model. Preses provide a GSB find dedata from one pranafar level available for the Wildfare Consequence Model, version 4. This file should contain the following: Geometric features dealing the most granular level available for consequence (ii is Cail Advocates' understanding that the consequence model uses "puest").		4/11/2024	Significant Updates to Risk Models (WDRM v4 & WTRM v2)	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
520	CalPA	Set WMP-41	CalPA_Set WMP-41	7	CalPA_Set WMP-41_Q7	For each geometric feature, petates include all retevent consequence values (If there are multiple) as attributes. Please provide a GIS flee that details most granular level available for the Wildfire Consequence Model version used in the WORM v3. This file should contain the following: "One with providers detailing the most granular level available for consequence (it is Cal Advocates' understanding that the consequence model uses "pixels").		4/11/2024	Significant Updates to Risk Models (WDRM v4 & WTRM v2)	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
521	CalPA	Set WMP-41	CalPA_Set WMP-41	8	CalPA_Set WMP-41_Q8	For each exemetric feature, clease include all reference consequence values iff there are multiple) as attributes. a) 14a E3 car another entity completed an independent review of the WDRM v47 15 me review to part (a) is yes, please provide a copy of any reports and outputs from the independent review. c) 15 me answer to part (b) is no, when does PGSE expect the review to be completed?		4/11/2024	Significant Updates to Risk Models (WDRM v4 & WTRM v2)	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
522	CalPA	Set WMP-41	CalPA_Set WMP-41	9	CalPA_Set WMP-41_09	a) Has PCAE created a detailed overview document that details the WDRM v4, similar to the "2021 Wildline Distribution Risk Model Overview" that PCAE submitted following the public workshop held on October 5 and 6, 20217 Distribution Risk Model Overview" that PCAE submitted following the public workshop held on October 5 and 6, 20217 Distribution Risk Model Overview that 6, 20217 If the answer to part (a) is yee, please provide a copy of the document? d) If the answer to part (c) is no, please explain withy not.		4/11/2024	Significant Updates to Risk Models (WDRM v4 & WTRM v2)	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
523	MGRA	Data Request No. 9	MGRA_Data Reques No. 9	1 1	MGRA_Data Request No. 9_Q1	Table PG&E 5.1.1 C pend Probability Model Prediction Performantion or compressor to the ball pendiction and pendiction pendiction performance to the balls, pendiction ability for drivers of girltons for Primary Conductor (Other, Wire Down) fare relatively poorly compared to regular attributes. Explain with this is so.		4/11/2024	ACI 23-25 Fire Potential Index and Ignition Probability Weather Enhancements	Appendix D	11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
524	MGRA	Data Request No. 9	MGRA_Data Reques No. 9	2	MGRA_Data Request No. 9_Q2	Please provide information available on the introduction of "an assessment of dry wind conditions for predicting areas of high consequence".		4/11/2024	ACI 23-25 Fire Potential Index and Ignition Probability Weather Enhancements	Appendix D	11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
525	MGRA	Data Request No. 9	MGRA_Data Reques	3	MGRA_Data Request No. 9_Q3	Will this "dry wind" consequence assessment also be couple to driver weather days also characterized by high winds?		4/11/2024	ACI 23-25 Fire Potential Index and Ignition Probability Weather Enhancements	Appendix D	11.4 ACI PG&E-2325 Fire Potential
526	MGRA	Data Request No. 9	MGRA_Data Reques	4	MGRA_Data Request No. 9_Q4	Will the "dry wind" weather days be associated with a probability driver also correlated with "dry wind" weather days and if howso.		4/11/2024	ACI 23-25 Fire Potential Index and Ignition Probability Weather Enhancements	Appendix D	Weather (IPW) Enhancements 11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
527	MGRA	Data Request No. 9	MGRA_Data Reques	5	MGRA_Data Request No. 9_Q5	PS-07. Reduce PSPS hepacts to Customers (Section 9.1.5) For the 23 to 13x reduction in customers exposed to PSPS events, how much of the reduction is due to 1 undergrounding 2) Motorized Switch Operations (MSOs), and 3) other factors.		4/11/2024	2.1.1.3 PS-07: Reduce PSPS Impacts to Customers	9.0 Public Safety Power Shutoff	9.1.5 Performance Metrics Identified by the Electrical Corporation
528	MGRA	Data Request No. 9	MGRA_Data Reques No. 9	6	MGRA_Data Request No. 9_Q6	Explain how MSO reduces PSPS incidence.		4/11/2024	2.1.1.3 PS-07: Reduce PSPS Impacts to Customers	9.0 Public Safety Power Shutoff	9.1.5 Performance Metrics Identified by the Electrical Corporation
529	MGRA	Data Request No. 9 Data Request	MGRA_Data Reques No. 9 MGRA_Data Reques	7	MGRA_Data Request No. 9_Q7	Does MSO also allow for EPSS to be enabled as a function of weather conditions?		4/11/2024	ACI 23-14 Effectiveness Analysis for EPSS ACI 23-14 Effectiveness	8.1.8 Grid Operations and Procedures	the Electrical Corporation 8.1.8.1.1 Protective Equipment and Device Settings 8.1.8.1.1 Protective Equipment and
530	MGRA	No. 9	No. 9	8	MGRA_Data Request No. 9_Q8	If not, is EPSS enabled based on weather conditions and if so how? Table &CLDCSE.23.05.3: Intition mitiration effectiveness for All 4 - Covered conductor a EPSS effectiveness is	,	4/11/2024	ACI 23-14 Effectiveness Analysis for EPSS	8.1.8 Grid Operations and Procedures	8.1.8.1.1 Protective Equipment and Device Settings
531	MGRA	Data Request No. 9	MGRA_Data Reques No. 9	9	MGRA_Data Request No. 9_Q9	Table ACI-PG&E-23-05-3: Ignition mitigation effectiveness For Alt 4 – Covered conductor + EPSS, effectiveness is raided at 78-2%. All 9 includes CC + EPSS, bit also REFCL and DCD and shows an effectiveness of 65%. How is in possible that adding additional missions reduces the feetineveness? If the calculation is in error preseap rovide a corrected value. Perform this as a circuit analysis, not a substation analysis, assuming all circuits are REFCL enabled.		4/11/2024	ACI 23-25 Fire Potential Index and Ignition Probability Weather Enhancements	Appendix D	11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
532	MGRA	Data Request No. 9	MGRA_Data Reques No. 9	10	MGRA_Data Request No. 9_Q10	Please provide the above table ACI-PG&E-23-05-3 under the assumption that Covered Conductor wildfire ignition reduction effectiveness is 85.0%, not 66.4%.		4/11/2024	ACI 23-25 Fire Potential Index and Ignition Probability Weather Enhancements	Appendix D	11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
533	MGRA	Data Request No. 9	MGRA_Data Reques No. 9	11	MGRA_Data Request No. 9_Q11	p. 57 - Non-Underground Mitigations This consideration of location-specific benefits and risks is consistent with the prior decision-tree approach we used to select projects and mitigations for completion in 2023 to 2025. In what ways does the new calculation differ from the previous decision-tree based analysis and in what ways does it differ?		4/11/2024	ACI 23-25 Fire Potential Index and Ignition Probability Weather Enhancements	Appendix D	11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
534	MGRA	Data Request No. 9	MGRA_Data Reques	12	MGRA_Data Request No. 9_Q12	Table ACE PG8E-23-06-01 Please provide the slides presented at these workshops, redacted for any confidential material.		4/11/2024	ACI 23-25 Fire Potential Index and Ignition Probability Weather Enhancements	Appendix D	11.4 ACI PG&E-23-06 – Continuation of Grid Hardening Joint Studies
535	MGRA	Data Request No. 9	MGRA_Data Reques No. 9	13	MGRA_Data Request No. 9_Q13	Early Fault Detection/Distribution Fault Anticipation Are EFD circuits being deployed on circuits that are being scoped for undergrounding?		4/11/2024	2.1.1.2 GH-04 Undergrounding	Appendix D	11.4 ACI PG&E-22-30 Response Operations for Potential Fault/Outages in its Highest Risk Areas
536	MGRA	Data Request No. 9	MGRA_Data Reques No. 9	14	MGRA_Data Request No. 9_Q14	What would be the final year that a circuit will be undergrounded that might potentially be implemented with an EFD?		4/11/2024	ACI 23-25 Fire Potential Index and Ignition Probability Weather Enhancements	Appendix D	its Highest Risk Areas 11.4 ACI PG&E-22-30 Response Operations for Potential Fault/Outages in its Highest Risk Areas
537	MGRA	Data Request No. 9	MGRA_Data Reques	15	MGRA_Data Request No. 9_Q15	Please provide a list of exportable ignitions for the last two years including the following distillation altitudeur: a. single system at the time of the ignition (R0, R1, R2, etc) b. whether circuit was implemented with active CED c. whether circuit was implemented with active CEPS d. whether CEPS was activated anywhere on the system.		4/11/2024	ACI 23-25 Fire Potential Index and Ignition Probability Weather Enhancements	Appendix D	11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
538	MGRA	Data Request No. 9	MGRA_Data Reques	16	MGRA_Data Request No. 9_Q16	Please provide a list of outages for the last two years including the following additional attributes: a, rating system at the time of the outage (R0, R1, R2, etc) b, whether circuit was implemented with active DCD c, whether circuit was implemented with active DCD		4/11/2024	ACI 23-25 Fire Potential Index and Ignition Probability Weather Enhancements	Appendix D	11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
539	CaiPA	Set WMP-42	CalPA_Set WMP-42	1	CalPA_Set WMP-42_Q1	Page 10 of PGAE's 2025 WPU [pdate states that for vention 4 of PGAE's Writine Consequence Model, PGAE increased the firm insulation time from grit 10 4 hours. a) List the resource why PGAE chose to increase the fire simulation time to 24 hours. b) Is PGAE assets of any potential destinated efficies associated with increasing the fire simulation time from eight of the passet fire passet from the passet of the passet of the passet of the passet of the passet fire passet from the insulation?		4/12/2024	Significant Updates to Risk	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence

Pre-Discovery 04	CaPA	Set WMP-01	CalPA_Set WMF	-01 4	4	CalPA_Set WMP-01_Q4	Provide a copy to Cal Advocates of all your confidential responses to WMP discovery requests, on the same sustress day that you send the documents to the issuer of the discovery request. This includes: a) Confidential responses to WMP discovery requests issued by Energy Safety, b) Confidential responses to WMP discovery requests issued by other entities.	Insidenceme. PGEE further dejects to this request as the information requested is regime, antisposon, and overticement. Lastly, PGEE dejects to this request on the ground that it seeds in impose a continuing response deligation on the responding party, Continuing discovery obligations are not permitted under California law. Biles v. Exon Mobil Corp., 124 Cal App. 4th 1315, 1242 (2004), Code V. Proc. § 2300 (2006). Notwithstanding and without waiving these objections, PGEE responds as follows. We will do our best provide the requested information within the requested finishmen, or as soon as possible beneather. However, please not that due to the timing and voluntinous matter of our submissions to Energy Statey, it may not always be possible by provide the information and thin the requested information. In these instances, we will provide the requested information as soon as it is reasonably possible.	2/14/2023	N/A	N/A	N/A
Pre-Discovery 03	CaPA	Set WMP-01	CalPA_Set WMF	-01 3	3	CalPA_Set WMP-01_Q3	Provide a copy of all documents or files that are referenced in your WMP Quarterly Data Reports and submitted to Energy Safety (including but not limited to all PDFs, spatial data files, non-spatial data files, and confidential attachments) on the same business day that the document is sent to Energy Safety.	burdensome. PG&E further objects to this request as the information requested is vagine, ambiguous, and overbroad Lastly, PG&E deplets to this request on the grounds that it ease to impose a continuing processor obligation on the Lastly, PG&E deplets to this request on the grounds that it ease the impose a continuing processor obligation on the Lastly and the last of the last	2/14/2023	N/A	NA	N/A
Pre-Discovery 02	CalPA	Set WMP-01	CalPA_Set WMF	-01 2	2	CalPA_Set WMP+01_Q2	Please provide a copy of your WMP pre-submission within two business days of its submission to Energy Safety	Alactment "VMP-Discovery/2023 DR. Calind-coates, 001-002/AuthOTCONF prill so or VMMP pre-submission to Energy Stelley, Peerson te hast this document is not our final VMMP submission and may be subject to revision before the first VMMP is submitted in March. Additionally, where designated this entire submission as confidential to aliquit with Energy Stelley's pre- submission process and quildfilms which signates that the pre-submission documents are not to be made public addition to all overant oblections. PSES securificate vibrical bits in securities of the control that it is unable.	2/15/2023	N/A	N/A	N/A
Pre-Discovery 01	CalPA	Set WMP-01	CalPA_Set WMf	-01 1	11	CaIPA_Set WMP-01_Q1	This data requests pertains is your XXX2-XXX2 Wildfer Mitigation Plan (WMP) and all standed discounter inclination and instead of substances of the standard o	Commission or and any other situation, orders, rules, or less limiting the regulatory authority and jurisdiction of the commission in partialsry PAEE depicts to the instruction that purpose to place a buttom on the responding party to reach out to the requesting party to carryly any unclear questions, definitions, or instructions. The daily is prepare stated to the responding party for carryly any unclear questions, definitions, or instructions. The daily is prepare at the property of the partial party and the party of	2/14/2023	N/A	N/A	N/A
547	CalPA	Set WMP-42	CalPA_Set WMF	-42 5	9	CalPA_Set WMP-42_Q9	In comparison to PGAE's WDRM v3, does WDRM v4, and with the top ignition risk circuits, segments, or spans? If yes, please provide the data in the format of Table 1-1 in section 1.1.1 of the 2025 Wildfire Miligation Plan Update calledities for both WDRM v3 and v4. b) Move 10 percent or more of PEPS risk into or out of the top PSPS risk circuits, segments, or spans? If yes, please provide the data in the format of Table 1-2 in section 1.1.1 of the 2025 Wildfire Miligation Plan Update Guidelines for both WDRM v3 and v4.	Converses, closes, Librer 10. This doc 1 or conversabilities in PGSE depicts to the instructions or definitions in the set of data requests entitled Californizate+PGE-2023WMP-01 that curront to immore are violations converted than those covided by the socicative rules and decisions of the	4/12/2024	Signflicant Updates to Risk Models (WDRM v4 & WTRM v2)	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
546	CalPA	Set WMP-42	CalPA_Set WMF	-42 8	8	CalPA_Set WMP-42_Q8	Page 20 of POAE's 2025 WMP Update state that CASE's 2025 Services capital expenditure associated with covered conduction installation will increase by a factor of 8.6 mm \$4.4 million 5.24.24 million. The updated Table POAE's 1.2-1 on page 402 of POAE's 2022-2025 WMP Six realize indicates that in, 1025, the milliage associated with covered conductive installation will brinces by a factor of 4.0 million 500 miles. Please explaint why POAE's capital threcast for 2025 will increase by a factor of 5.0 while the milliage will increase by a factor of 4.0.		4/12/2024	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures
545	CalPA	Set WMP-42	CalPA_Set WMF	42 1	7	CalPA_Set WMP-42_Q7	c) If the answer to part (a) is no, explain why not. Page 24 of PoSE* 2025 WIMP Update states that POSE is adjusting target PS-07 (Reduce PSPS Impacts to Customers) in 2025 downward by 40% to account for a 40% decrease in underground miles. Does POSE expect a similar reduction in the number of EPSS customer events mitigated in 2025? Explain your answer.		4/12/2024	ACI 23-25 Fire Potential Index and Ignition Probability Weather Enhancements	Appendix D	11.4 ACI PG&E-2314 Effectiveness Analysis for EPSS Including Implementation of DCD
544	CalPA	Set WMP-42	CalPA_Set WMF	-42 6	6	CalPA_Set WMP-42_Q6	Page 17 of PG&E's 2025 WMP Update states, "When viewed on a line weighted basis, the relative average risk of each transmission line can be viewed for insights. It should be noted that these mile weighted values will tend to highlight short lines such as taps." a) Does PG&E plan to correct for the fact that mile weighted values tend to highlight short lines? b) If the answer to part (a) is yes, explain the methods PG&E plans to use.		4/12/2024	Significant Updates to Risk Models (WDRM v4 & WTRM v2)	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
543	CalPA	Set WMP-42	CalPA_Set WMF	-42 5	5	CalPA_Set WMP-42_Q5	c) Describe the benefits of incorporating wind direction into the risk model. Page 16 or DRSE 2025 WINE Update states, "in the VTRM V2 update, we corrected this overly conservative estimate by applying a remaining strength of 92% (equivalent to Condition Code 2) to reinforced poles, in order to provide more accurate results." State the basis for applying a remaining strength of 92% to reinforced poles.		4/12/2024	Signflicant Updates to Risk Models (WDRM v4 & WTRM v2)	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
542	CalPA	Set WMP-42	CalPA_Set WMF	-42	4	CalPA_Set WMP-42_Q4	Table PGSE-B.1.1-1 on page 8 of PGSE's 2025 WMP Update indicates that WDRM v4 includes wind direction in its vegetation models. a) Describe how wind direction is incorporated in the vegetation models in VDRM v4. b) List the data sources that PGSE uses to incorporate wind direction into IRs misk model.		4/12/2024	Signflicant Updates to Risk Models (WDRM v4 & WTRM v2)	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
541	CalPA	Set WMP-42	CalPA_Set WMF	-42	3	CalPA_Set WMP-42_Q3	 i) Provide any written results, reports, or other output of the sensitivity analysis discussed above. Page 7 of PoEAE 2025 WINF Update states, with regard to PGAE's edistribution event probability models, "Significant efforts were made to improve asset, ignitions, and outage data quality." List and explain the significant efforts discussed above. 		4/12/2024	Signflicant Updates to Risk Models (WDRM v4 & WTRM	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
540	CalPA	Set WMP-42	CalPA_Set WMF	-42 2	2	CalPA_Set WMP-42_Q2	Page 1021 of PG&Es 2023-2025 WMP R4 states, in response to ACI PG&E-2026, In general, 24-host simulations result in higher impeda as simulated files are non elikely to reach highly populated areas despite decreasing reliability on the weather forecasts as time progresses, and unknown suppression effectiveness over time. Sensitivity variables in contraining, and PG&E will be able to provide results in 2023 that quantify the effectiveness of shorter versus longer simulation durations. 3. Describe the 2023 and 1999 the sensitivity of the sensitivity analysis discussed advantage of the sensitivity analysis discussed advantage of the sensitivity of th		4/12/2024	Signflicant Updates to Risk Models (WDRM v4 & WTRM v2)	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence

Pre-Discovery 05	CaPA	Set WMP-02	CalPA_Set WMP-02	1	CaIPA_Set WMP-02_Q1	Please identify and provide a copy of all quality assurance or quality control (QAQC) reports conducted by internal entities that were completed since January 1, 2022 and that examined any programs, initiatives, or strategies described in your 2022 WMP Update. Please identify and provide a copy of all quality assurance or quality control (QAQC) reports conducted by sectoral entities that were connected since January 1, 2022 and that examined any orocams, initiatives, or	PGGE understands this question to refer to reports from our internal Quality Control, Quality Assurance, and Quality Verification programs as set forth below. System inspectional Department: System inspectional Department from the System Inspections QC Department's daily and weekly distributed in the Control of the System Inspections QC Department's daily and weekly distributed in Control of the System Inspections QC Department's daily and weekly distributed in Control of the System Inspection QC Department's daily Management Department Separated (Control of the System Inspections QC Department (Control of the System Inspections audits were conducted in 2002 Peace see altabatives lided below for the Electric Compliance Quality Management Department's audits of QO 165 inspections. One Distribution and one Transmission reyear inspections audits were conducted in 2002. Please see altabatives (Control of the System Inspections audits were conducted in 2002. Please see altabatives (Control of the Control of the Co	3/7/2023	N/A	NIA	NIA
Pre-Discovery 06	CalPA	Set WMP-02	CalPA_Set WMP-02	2	CalPA_Set WMP-02_Q2	strategies described in your 2022 WMP Update. External entities include, but are not limited to, consultants, contractors, auditors, court-appointed monitors, and Independent Evaluators.	initiatives described in our 2022 WMP. Please find the document here: https://www.cpuc.ca.gov/-/media/cpuc- website/industries and ltopics/documents/pge/oversight-and-enforcement/ism-status-update-report-q3-2022.pdf.	3/7/2023	N/A	N/A	N/A
Pre-Discovery 07	CalPA	Set WMP-02	CalPA_Set WMP-02	3	CalPA_Set WMP-02_Q3	Provide an Excel table of all defects in the year 2022 found by Energy Safety's Compliance Branch (as nows) that includes the following information in separate columns. b) Defect the second in the	Please see attachment "WMP-Discovery2023_DR, Cal/Advocates_002-003/Act/01CONF.six" for a list of all alleged defects derified in December 2021 by the Office of Energy Inhastructure Safety ("Energy Safety"), Please note these defects were issued an ortication of defects in March 2022. Please note the following: The data provided to place of the Safety of the Safety of Safety ("Exception of defect," and 'Date that the defect was identified" are all based on "Not all corrective actions required Electric Corrective (E) notifications (or "EC lags"), For example, white reviewing the alleged defects from Energy Safety, some work was addressed directly in the field (e.g., trimming of vegetation), and no EC lag was created.	2/22/2023	8.1.3	Asset Inspections	N/A
Pre-Discovery 08	СыРА	Set WMP-03	CalPA_Set WMP-03	1	CalPA_Set WMP-03_Q1	In Congraptic Incombate of defect in decimal degreese, funcated to seven decimal places information in separate columns. a. Circial transe b. Circial Than Dear Separate Columns. columns of the Columns	Floates provinting are requested unanceasor intermetation as well crucial were in adulturation. Year's Discovery/2022, Del Carlidovicates (ASS OAS) Allerhold Intal. "Including in the bible below are rooke that document assumptions in the methodology for data collection. Where we have not included any totes, the data provided did not carried to the control of the c	3/10/2023	8.1.3	Asset Inspections	Distribution
Pre-Discovery 09	CaPA	Set WMP-03	CalPA_Set WMP-03	2	CalPA_Set WMP-03_Q2	Hotble art faces under or fur trainmited of cells (1985) and (1985) and (1985) are trained and (1985) and (198	House ps proventy and republishes varieties and in the control of	3/10/2023	8.1.3	Asset Inspections	Transmission
Pre-Discovery 10	СвРА	Set WMP-03	CalPA_Set WMP-03	3	CaPA_Set WMP-03_Q3	Provide an Excel table of all distribution circuits existing as of January 1, 2022 (as rows) that were removed or decommissioned in 2022, either partially or entitley. This includes permanent removal, removal of overhead lines the following feoremation in separate columns. a. Circuit name b. Circuit Dinarbie c. Circuit mane c. Circuit miles removed or decommissioned in Non-HFTD Avasa. d. Circuit miles removed or decommissioned in Non-HFTD Tier 2 f. Circuit miles removed or decommissioned in HFTD Tier 3 g. Reason(s) for removal or decommissioned in Non-HFTD Avasa.	Albached is "WMP-Discovery0222] D.R. Calvid-vicates (03-0003Abth01.stx", which provides information regarding removals of primary distribution lines in HFTD in 2022, which is the subset of the requested information available at services, or removing lines in non-HFTD without our US cannot be used to obtain his information retroachedy because when mapping removals, the electric assets are removed from GIS. Bellow we provide additional information of circliff the data provided in the attachment in response to the request. a. Circuit arises Service of the control of t	3/10/2023	81.2	Grid Design and System Hardening	Work Performed in 2022

Pre-Discovery 11	СаРА	Set WMP-03	CalPA_Set WMP-03	4 CalPA_Set WMP-03_Q4	Provide an Excel table of all transmission circular existing as of January 1, 2022 (as rows) that were removed or decommissioned in 2022, either partially or entirely. This includes permanent removal, removal of overhead lines the following information in separate columns. a. Circuit area. b. Circuit a firm the commissioned in Non-HFTD Areas. C. Circuit Brunber c. Circuit miss removed or decommissioned in Non-HFTD Areas. c. Circuit miss removed or decommissioned in Other HFTD. 1. Circuit miss removed or decommissioned in Other HFTD. 1. Circuit miss removed or decommissioned in HFTD Titer 3 1. Reason(s) for removed or decommissioned in HFTD Titer 3 1. Reason(s) for removed or decommissioned in HFTD Titer 3 1. Reason(s) for removed or decommissioned in HFTD Titer 3 1. Reason(s) for removed or decommissioned in HFTD Titer 3 1. Reason(s) for removed or decommissioned in HFTD Titer 3 1. Reason(s) for removed or decommissioned in HFTD Titer 3	Please see "WMP-Discovery2023_DR_CallAdvocates_003-0004Alctn01.xisx.	3/10/2023	Grid Design and System Hardening	System Hardening	Work Performed in 2022
Pre-Discovery 12	CaPA	Set WMP-03	CaiPA_Set WMP-03	5 CaiPA_Set WMP-03_Q5	For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for each circuit or circuit segment influenced where you performed work in 2022. b. Covered conductor installation c. Undergrounding d. Distribution pote replacement f. Distribution pote replacement g. Detailed inspections of trainfluenties of seather than the potential of	refined output from the 2021 WDRM is referred to as the ENM Tree-Weighted Prioritization. The ENM Tree-Weighted Prioritization, and the Prioritization prioritization in prioritization prioritization prioritization prioritization in the 2022 ENM Soope of Work as described in the 2022 WNM Seeden 7.1.8. In 2022, the goals for the EVM program were: (1) to perform at least 60% of an 2022 EVM Seeden 7.1.8. In 2022, the goals for the EVM program were: (1) to perform the service of the 2022 WNM Seeden 7.1.8. In 2022, the goals for the EVM program were: (1) to perform the service of the EVM program were: (1) to perform the EVM Seeden 7.1.8. In 2022, the Seeden 7.1.8. In 2022 EVM Seeden 7.1.8. I	3/10/2023	7.1	Wildfre Misgation Strategy Development	N/A
Pre-Discovery 13	CaPA	Set WMP-03	CalPA_Set WMP-03	6 CalPA_SetWMP-03_O8	For each WMP Initiative listed below, please state how the modeled Wildfire Risk Scores for each circuit or circuit segment influenced how work in 2022 was sequenced. a. E.W. a. E.W. c. C.W. c. C.W	by the EVM Tree Weighed Princitization barring external factors and leveraging efficiency of bunding where possible. The circuit segments selected for the installation of covered conductor in the System than developing program were the control of the selection of the installation of covered conductor in the System than developing program were control of the selection of the sel	3/10/2023	7.1	Wildfire Miligation Strategy Development	N/A
Pre-Discovery 14	CaPA	Set WMP-03	CalPA_Set WMP-03	7 CaPA_Set WMP-03_Q7	For each WMP Initiative listed below, please state how the modeled Wildfire Risk Scores for each circuit or circuit segment influence where you plan to perform work in 2023. b. Covered conductor installation c. Undergrounding d. Distribution pote replacement or Certif sectionation of distribution assets g. Detailed respections of functionations assets l. Aerial impections of distribution assets l. Aerial impection of transmission assets k. LIDAR inspections of transmission assets k. LIDAR inspections of transmission assets	In 2012 to 19 and 19 an	3/10/2023	72	Wildfire Mitigation Strategy Development	Wildfre Miligation Strategy

Pre-Discovery 15	СвРА	Set WMP-03	CalPA_Set WMP-03	в	CalPA_Set WMP-03_Q8	For each WMP initiative tisted below, please state how the modeled Wildfire Risk Scores for each circuit or circuit-segment influence how work in 2023 will be sequenced. 5. Covered conductor initiatation c. Underground of the control of the cont	In Postar in reconsciouring review in rocal. The distributions selected for the establishion of covered conductor in the System Instellering organism even. The distribution is selected for the establishion of covered conductor in the System Instellering organism even. The conductor is a conductor in the selection of the conductor in the conduc	3/10/2023	7.2	Wildfre Miligation Strategy Development	Wildfire Mitigation Strategy
Pre-Discovery 16	CaPA	Set WMP-03	CalPA_Set WMP-03	9	CaIPA_Set WMP-03_09	For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for eachdroult or circuit-segment influence where you plan to perform work in 2024. a. EVM at Conductor installation b. Undergounded in the Conductor installation c. Undergounded or Conductor installation c. Undergounded or Conductor installation c. Undergounded or Conductor installation c. Evide sectional conductor installation c. Evide sectional conductor of conductor assets c. Evide inspections of conductor or conductor assets c. Areal in spections of distribution assets c. Leffel inspections of conductor or conductor assets c. Leffel inspections of conductor or conductor assets c. Linda inspections of conductor assets c. Linda inspections of transmission assets c. Linda inspections of transmission assets	In Places refer to the response to Question Tp, which also applies to 2004. Please refer to the response to Question Tp, which also applies to 2004. Please refer to the response to Question Tp, which also applies to 2004. Please refer to the response to Question Tp, which also applies to 2004. Please refer to the response to Question Tp, which also applies to 2004. Please refer to the response to Question Tp, which also applies to 2004. Please refer to the response to Question Tp, which also applies to 2004. Please refer to the response to Question Tp, which also applies to 2004. Please refer to the response to Question Tp, which also applies to 2004. Please refer to the response to Question Tp, which also applies to 2004. Please refer to the refer to Applie the Question Tp, which also applies to 2004. Please refer to the refer to Applie the Question Tp, which also applies to 2004. Please refer to 2004 the 2004 the 2004 the Please refer to 2004 the Please refer to 2004	3/10/2023	72	Wildfire Miligation Strategy Development	Wildfire Miligation Strategy
Pre-Discovery 17	СыРА	Set WMP-03	CalPA_Set WMP-03	10	CalPA_Set WMP-63_Q10	For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for each dircuit or circuit-segment influence how work in 2024 will be sequenced. a. EVM at conductor installation b. Wild of conductor installation c. United promotion of control of the conductor installation b. United the conductor installation c. Evides secondary and conductor installation f. Extended the conductor of control control of control control of control control of control control control of control con	In Place refer to the response for Cuestion B2, which also applies to 2024. C. Please refer to the response for Cuestion B2, which also applies to 2024. C. Please refer to the response for Cuestion B2, which also applies to 2024. C. Please refer to the response for Cuestion B2, which also applies to 2024. There is no talgetide work planned in 2026 of grid sectionalization for both transmission or for distribution. I. th 2029, PGAE's sequencing for the ground impection plan will be informed by wildline consequence as described in 2024 MIVE Section B3.2.1. Cleated interpreted making the properties of the propertie	3/10/2023	72	Wildfire Miligation Strategy Development	Wildfire Miligation Strategy
Pre-Discovery 18	СвРА	Set WMP-04	CalPA_Set WMP-04	1	CaIPA_Set WMP-04_01	For each WMP initiative for which you forecast capital expenditures in 2023 to be at least two times actual capital expenditures in 2022 places provide: a) The name of he 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 WMP initiative number in Table 11 of your 2023-2025 WMP d) The WMP initiative number in Table 12 of your 2022 WMP Update e) An explanation for the projected increase:	1,203 VMPF famoutable are mapping from VMPF initiative. According are basis of all Table 11 from Energy Safely, As the 2023 VMMP are more year with even employed information by softlethe that allign with the Table 2024 VMPF are without a real property of created back to the 2022 VMMP even. This, the comparison can only be made using the 2020 VMMP are with a sage page 150 VMPF and vittles and section numbers where 2023 capital forecast is at least two times compared to the 2023 VMPF and vittles and section numbers where 2023 capital forecast is at least two times compared of 2024 VMPF and vittles and 550°S emergencies — section 5.2 Capital forecast is at least two times compared 5.2 Capital forecast two times compared 5.2 Capital forecas	3/7/2023	4.3	Proposed Expenditures	NIA

		,	,					i .		
Pre-Discovery 19	CaiPA	Set WMP-04	CalPA_Set WMP-04	2 CalPA_Set WMP-04_Q2	For each WMP initiative for which you forecast capital expenditures in 2024 to be at least two times actual capital expenditures in 2022. please provide: a) The name of the initiative as it is its distribution and its initiative and an accordance and acco	compared to the 2022 recorded costs. -Customers support in widler and PSPS emergencies – section 6.4.6 b) See the response to part a). Sin As explained in part a) there is not an applea-to-applea re-mapping of costs back to the 2022 WMP view. Thus, the comparison can only be made using the 2022 WMP view of 2022 recorded costs. (3) WA, please need to the response to part a). (3) WA, please need to the response to part a). -Customer support in widlife and PSPS emergencies.—There was a mirror cost adjustment-correction in the 2022 recorded costs as shown in Table 11.	3/7/2023	4.3	Proposed Expenditures	N/A
Pre-Discovery 20	CaPA	Set WMP-04	CaiPA_Set WMP-04	3 CalPA_SetWMP-04_Q3	For each WMP initiative for which you forecast operating expenditures in 2023 to be at least two times actual operating expenditures in 2022, please provide: a) The name of the initiative as it is identified in your 2022-2025 WMP and the initiative as it is identified in your 2022 WMP Update d) The warm of the initiative as it is identified in your 2022 WMP Update d) The WMP initiative as it is identified in your 2022 WMP Update d) An explanation for the projected increase.	Ja 2023 WMP Francisia are mapped per WMP Initiative Activities as laid out in Table 11 from Energy Safely, As the 2023 WMP is a row cycle with even emporing of formacish by actives that slight with the 2023 WMP narrative, there is not an applies-b-appiles te-empiring of costs back to the 2022 WMP even. Than, the comparison can only be made followed to the 2023 WMP activities and section numbers where 2023 operating expenses forecasts are at least two limes compared to the 2022 crossred costs. 10 Fish schoolings and systems not fault above – section 8.1.2.12 12 Fall in miligation 6.2.3.4 13 See the response to part a). 1) NA. As explained in part a) there is not an applies-to-applies re-mapping of costs back to the 2022 VMMP view. Thus, the comparison can be yield the section of the 2022 VMMP view. Thus, the comparison can be yield the section of the 2022 VMMP view. Thus, the comparison can be yield the section of the 2022 VMMP view. Thus, the comparison can be yield the section of the 2022 VMMP view. Thus, the comparison can be yield the section of the 2022 VMMP view. Thus, the comparison can yield remained above – The 2022 recorded costs in Table 11 are too low due to missing sense costs. The 2022 recorded costs need to be adjusted to put in recorded costs for Substition animal absternent. Table 11 pursues the 2022 302 VMMP codelines time Energy Safely, - Environmental monitoring systems – The forecast increase in 2023 as many driven by articipated weether station maintenance work acts an califorations.	3/7/2023	43	Proposed Expenditures	N/A
Pre-Discovery 21	CaPA	Set WMP-04	CaiPA_Set WMP-04	4 CalPA_Set WMP-04_Q4	For each WMP initiative for which you forecast operating expenditures in 2024 to be at least two times actual operating expenditures in 2022, please provide: a) The name of the initiative as it is bettered in your 2023-2025 VMMP by the initiative and its best of your 2023-2025 VMMP by the initiative and its destrict of your 2023-2025 VMMP by the initiative number in Table 11 of your 2023-2025 VMMP Update a) The VMP Philative number in Table 12 of your 2022 VMMP Update a) An explanation for the projected increase.	Ja 2023 WMP is many cety earth live managery of profiles in the profiles of th	3/7/2023	43	Proposed Expenditures	N/A
Pre-Discovery 22	CalPA	Set WMP-05	CalPA_Set WMP-05	1 CalPA_Set WMP-05_Q1	In response to Data Request California FDE-2022WMP-3 on September 8, 2002; PGSE provided information regarding its Wildlifer bibitation filiak model version 3 (VDRM v3). Please provide an updated response to questions 1-7 of the above-referenced data request, including any new or changed information since PGSE's original response. If the response to a question has not changed, please so inclined, please value.	No changes have been made to WDRM v3 since the September 8, 2022 response.	3/10/2023	4.5	Model Metrics and Calculation Methodologies	WDRM v3
Pre-Discovery 23	CalPA	Set WMP-05	CalPA_Set WMP-05	2 CalPA_Set WMP-05_Q2	A law you defined responder, a verification to a question than to unarticle, peace to instance and all have you defined transportation confidence within you are related to entirely where large or failing lines or poles could currently limit egiess and/or ingress during an emergency? If the arriver to prick (a) is yet, please describe how you identify such transportation corridors. If a walkable, please provide a geographia data file that contains all current identified transportation corridors with ingress and egiese travation.	3. The potential of failing or failing free or poles near identified transportation contrions in not currently reflected in our fast modeling. DSES Paulic Salety Specialists with experience as career wildrand friegithers have reviewed general eigness and/or. If a possible or circuit segments for potential system hardering work, or local possible policy policy and policy poli	3/10/2023	8.1.3	Asset Inspections	N/A
Pre-Discovery 24	CalPA	Set WMP-05	CalPA_Set WMP-05	3 CalPA_Set WMP-05_Q3	Please fill out the attached spreadsheet, CalAdvocates-PGE-2023WMP-05 Attachment 1, requesting information regarding your asset inspections in 2022.	Please see attachment "WMP-Discovery2023_DR_CalAdvocates_005-Q003Atch01.xlsx" for the requested information	3/10/2023	8.1.3	Asset Inspections	Inspections completed in 2022
Pre-Discovery 25	CaPA	Set WMP-05	CalPA_Set WMP-05	4 CalPA_Set WMF-05_Q4	Please sugment Table 13 of the non-spatial data latels in your WIBF Counterly Data Report for OA of 2022, which reports asserted concrete meditations on destrict circulals that were open at the end of the quarter, as follows. a. Add the Eclouring information in separate columns:	a-b. Please see attachments "WMP-Discovery2023_DR_CalkAvocates_005-0004Ash01.stat" for the requested Transmission information. - Please note that columns i, b, and will not be available for Distribution and Transmission cross will be 2023 (Of Loaderly Dodger) (DDR) became the data not ready, and due to recent changes to the standard that resulted in a subdistribit reassessment of our notification data.	3/10/2023	QDR	N/A	taga
Pre-Discovery 26	CalPA	Set WMP-06	CalPA_Set WMP-06	1 CalPA_Set WMP-06_Q1	Provide your workplan that describes where you will undertake EVM projects in 2023. This workplan should be in an Excel format, which include-agement as rows. Please include the following information in separate columns in the Excel spreadsheet at a minimum: a) Circuid name. 3) Circuid Drawner 5) Circuid Properties and Circuid Separate (Separate Separate Sepa	The EVM program concluded at the end of 2022. There is no EVM workplan for 2023	3/29/2023	8.2.3	Vegetation Management	EVM
Pre-Discovery 27	CalPA	Set WMP-06	CalPA_Set WMP-06	2 CalPA_Set WMF-08_Q2	Provide your workplain that describes where you will undertake EVM projects in 2024. This workplain should be in an Excel format, which include-segments as rows. Please include the following information in separate columns in the Excel spreadsheet at a minimum: a) Circuid name b) Circuid D number c) Circuid Segment name d) Circuid Segment name d) Circuid Segment name e) EVM miles to be completed in 2024 fi Risk marken(s) b the sincruid segment.	The EVM program concluded at the end of 2022. There is no EVM workplan for 2024.	3/29/2023	8.2.3	Vegetation Management	EVM
Pre-Discovery 28	CalPA	Set WMP-06	CalPA_Set WMP-06	3 CalPA_Set WMP-06_Q3	In response to Dath Request Called-coates PGE-2020VMP-11, Question 2, Merch 3, 2022, PGES provided to 2022 ETM workpile. Please provides in updated version of this star workpile mist latt this exact ETM enlegal performed in each circuit-segment in 2022 as a new column. Rows should be added an needed to cover all circuit-segments were you performed EVM work in 2022 (even if those circuit-segments were not included in the criginal workpilan).	Please see "VMM-Discovery2022 DR Calvid-viocates_006-0003Ashr0f1.star" for actual 2022 EVM mileage data biotism down by circuit segment. Column G on tab "2022 EVM Miles Planned" contains the number of miles planned for EVM work in 2022. Column G on tab "2022 EVM Miles Completed" contains the number of miles that were completed and work verified in 2022.	3/29/2023	7.3.5.2	Vegetation Management and Inspections	Enhanced Vegetation Management

Pre-Discovery 29	CuPA	Set WMP-06	CalPA_Set WMP-06	4	CaPA_Set WMP-06_Q4	In response to Data Request CalAdvocates-PCE-2022WMP-16, Question 11, March 23, 2022, PC&E stated the following: "Through 2022; the EVM program includes strike frees evaluation and hazard trees mitigation, overhang clearing and calcium calcuration and 2022. Enhanced Work only includes overhang clearing." a) is the statement above still accurate as of the date of this request? by the statement above still accurate as of the date of this request? by the statement above still accurate as of the date of this request? by the statement above still accurate as of the date of this request? c) if the answer to part (a) is no, please update the above statement to reflect PC&E's vegetation management strategy for 2024.	a) To maximize reduction of wildfire risk effectively and efficiently, the Enhanced Vegetation Management (EVM) program concluded at the end of 2022, proposed into the 2023 workplan. These programs for VM are Focused Tree tespections. Who Openstroal Missinghes and Tree Removal Winderbuy. Focused Tree Inspections: We developed specific areas of focus (referred to as Areas of Concern (AOCI)), primarily in the HFFRA, where well Concentrate our efforts to inspect and diddes high-risk becomes, such as those that have experienced higher volumes of vegetation change during PSPS events, oxigate, and/or spitches. The support of the open that we experienced higher volumes of vegetation change during PSPS events, oxigate, and/or spitches. The support of the proposed or the proposed	3/29/2023	7.3.5	Vegetation Management and Inspections	Program Costs
Pre-Discovery 30	CalPA	Set WMP-06	CalPA_Set WMP-06	5	CalPA_Set WMP-06_Q5	In response to Data Request Calchinocates-PGE-2022VMP-15, Question 16, Murch 18, 2022, PGSE provided the following table, which shows spending on vegetation management programs in thousands of dollars (actual figures for 2019-2021 and feeceast figures for 2019-2022). Please update for table as bloices: a) Update the 2022 columns to state actual spending in 2022. b) Update the 2022 columns to state PGEE current forecasts for 2023. b) Update the 2022 columns to state PGEE current forecasts for 2023. d) Please add force as mechanism, and produces the 2023 columns to state PGEE as well-as the 2023. d) Please add force as mechanism, and pulmage in PGEE's vegetation management strategy have created men institutes or categories of spending.	Please see updated table below with 2022 Actuals, and our current forecasts for 2023 and 2024.	3/29/2023	Vegetation Management	N/A	N/A
Pre-Discovery 31	СаРА	Set WMP-06	CalPA_Set WMP-06	6	CaPA_Set WMP-05_O6	Disease provide a list of any incidents in 2002 where the actions of a VM contractor posed a safety risk to workers and/or the public. "Safety risk them is defined as any occurrence on a worksite where the contractor's actions created as astely hazard for either workers or the general public. a) The date you were informed of the safety issue safety issue was performed. b) The date that the original work that created the safety issue was performed. b) The date that the original work that created the safety issue was performed. c) The vegetation management initiative involved in the original work. e) A brief description of the safety issue involved.	Resear the full between the TMR-Discovery (2013) DR. Collaboration. (2008-bits) SECON to a fast of all of all contractors involved single price or final their police in 1202. This state includes, had list not instead for contractors and the properties of the prope	3/29/2023	Vegetation Management	N/A	N/A
Pre-Discovery 32	СыРА	Set WMP-06	CalPA_Set WMP-06	7	CaPA_Set WMP-09_07	In response to Data Request CalAdvocates-PGE-2022WMP-14, Question 13, March 15, 2022, PG&E provided its 2022 system hardering worksplan for the categories referred to in parts (a)-(d)-(b) below. Please provide an updated version of this worksplan with additional columns to six one treats system hardering work performed in updated version of this worksplan with a first order to the categories. Please and cross are needed to cover all cross designed where PGSE performed system hardering work in 2022 (even if those circul-segments were not included in the original worksplan). a) installation of covered conductor b) installation of underground conductor c) Removal of overhead conductor d) Removal of overhead conductor.	Note, for Californative PCE-2022/NEV-14. Question 13, the projects laided the the 2022 cultures were only for projects that overlapped with 2021 completed with 2021 completed miles. 8t did not prevent a comprehensive last level and 2022 projects. Similarly, the 2020 cultures were only for projects that overlapped with 2021 completed miles. 8t did not represent a comprehensive last 1020 projects. See: YMM-Discovery 2023, DR. Californation, 2005 COVARADO (CONF. sixx.* This file includes the 2022 system has described prompted work in the below colorism. In Installation of convent own of the province of the colorism of the colorism on the colorism of colorism on the colorism of colorism on the colorism of c	3/29/2023	7.3.3.1	Grid Design and System Mardening	System Hardening
Pre-Discovery 33	СыРА	Set WMP-06	CalPA_Set WMP-06	8	CaPA_Set WMP-06_08	Provide your workplan that describes when and when you will perform system hardening on distribution cross in 2023. For projects that you expect to praisity compress in 2023 or, projects that the other 2023 are expected to continue in 2020, or projects that are expected to be completed after 2020, please include the project. For each project, include the following information in separate columns, at a minimum: a) Older number b) MMT code b) MMT code c) Circuit-Separate name or ID number (if the project affects more than one circuit-segment, please identify each one; please identified in each of the expected or actual start date of the project. 3) The expected or actual start date of the project. 3) I temply (in cricial miles) of orwherboard conductor to be installed in 2023. 3) Largely (in cricial miles) of orwherboard conductor to be installed in 2023. 3) Largely (in cricial miles) of orwherboard conductor to be installed in 2023. 3) Largely (in cricial miles) of orwherboard conductor to be installed in 2023 and tripliced with conversed conductor or undergrounder orders. 3) Largely (in cricial miles) of orwherboard or undergrounder orders. 4) Largely (in cricial miles) of orwherboard and underground conductor to be personner yearmord in 2023 and or replaced with conversed conductor or undergrounder projects.	a. See columns A (order number), and B (order description)	3/29/2023	8.12.5	System Hardening	N/A
Pre-Discovery 34	CMPA	Set WMP-06	CalPA_Set WMP-06	9	CaPA_Set WMP-08_Q9	Provide you verifyshe that describes when and virtue you all perform system hardwrite or individual notices in 2024, for projects that you provide prainty comprised not 2024, in projects that we repreded to start broad and are expected to continue in 2024, or projects and see proceed on the provide and response in 2024, or project and response expected to be sufficient in 2024, or project and response are 2024. For each project, include the project, include the following information in separate columns, at a minimum: b) MAT code of the project include the following information in separate columns, at a minimum: b) MAT code of the project include the following information in separate columns, at a minimum: b) MAT code of the project include the following information in separate columns, at a minimum: c) Circuit SD number e) c) Circuit SD number e) c) Circuit SD number e) c) Circuit segment name or ID number (if the project affects more than one circuit-segment, please identify each c) 2022-2025 WMPf filing 3) The expected or stack start offset of the project. 1) Length (in circuit miles) of or overhead conductor to be installed in 2024. 1) Length (in circuit miles) of overhead conductor to be permanently removed in 2024 and neplaced by underground contraction to less permanently removed in 2024 and not replaced with covered conductor to the permanently removed in 2024 and not replaced with covered conductor to the permanently removed in 2024 and not replaced with covered conductor for order provided in any other layer of system handering project to be installed in 2024 (if this is greater than zero, please describe the lype of system handering project to be installed in 2024 (if this is greater than zero, please describe the lype of system handering project to be installed in 2024 (if this is greater than zero, please describe the lype of system handering project to be installed in 2024 (if this is greater than zero, please the provided and the provided and the provided and the provided and the provide	Please see "WMP-Discovery2023_DR_CalAdvocates_006-Q008Atch01CONF.x/sx." a. See columns A (order number), and B (order description)	3/29/2023	8.12.5	System Hardering	NA
Pre-Discovery 35	CalPA	Set WMP-06	CalPA_Set WMP-06	10	CalPA_Set WMP-06_Q10	For each of your 2023-2025 WMP system hardering initiatives, please provide disaggregated information related to expenditures and circuit miles treated in the attached table, CalAdvocates:PGE-2023WMP-06 Attachment 1. Add columns as needed.	Please see details on the cost and mileage breakouts in attached file "WMP:Discovery2023_DR_CalAdvocates_008- Q010Atch01.xisx.	3/29/2023	4.3	Proposed Expenditures	System Hardening

Pre-Discovery 36	CMPA	Set WMP-06	CalPA_Set WMP-06	11 CalPA_Set WWP-06_C11	Please provide a spreadsheed listing (as rows) each undergrounding project completed during the period of January 1, 2022, Prough December 31, 2022. For each project, please provide the Sollowing Information (as a) Project D marker or other identified to 10 plant (as a) Project D marker or other identified to 10 plant (as a) Project (as a project (as a) project completion date (as a) project completion date (b) Project (pile vitar-biscore yazza, Zir Characterizate, 10x5-10 / Hastant-Curur-size. In Project D Transfer on other identifier Secolorium's A (roth whitere) and Si (Order Description) In Project D Transfer on other identifier Secolorium's A (roth whitere) and Si (Order Description) In Secolorium Sec	3/29/2023	8.12.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
Pre-Discovery 37	CalPA	Set WMP-06	CalPA_Set WMP-06	12 CalPA_Set WMP-06_Q12	Please provide a geodatabase file with a polyline feature for each undergrounding project completed during the period of aliamary. Tac22 through December 3, 2022 in addition to the spatial location, please provide the following attributes for each project: a) Project ID mather or other identifier, matching part (a) of the previous question b) Circuit ID c) Project comoletion date.	See attachment "VMP-Discovery/2023 DR_CallAdvocates_006-0012Aixfol1CONF.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.	3/29/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
Pre-Discovery 38	CaPA	Set WMP-06	CalPA_Set WMP-06	13 CalPA_Set WMP-46_Q13	Identify any ignitions in 2022 associated with assets where you had an existing corrective notification at the time of the ignition, Please provide a spreadsheet listing each such ignition (as rowe) with the following information in separate columns: b) Date of ignition c) Cause of ignition c) Cause of lightion d) Nare boursed d) Name of injuries associated with the ignition d) Are boursed d) Name of injuries associated with the ignition, if any h) Asset (B) of asset associated with ignition, if any h) Asset (B) of asset associated with ignition () Circuit D market or circuit associated with ignition () Circuit D market or circuit associated with ignition () Notification number(s) for the existing marketnance tag on the asset in question.	Investor set and set from contempting ALC LPGC reporting ignitions were the asset involved in the lighted has associated with an osidisting pen corrective maintenance notification at the time of the event. In the set of the event of the e	3/29/2023	7.3.4	Asset Management and Inspections	N/A
Pre-Discovery 39	СыРА	Set WMP-06	CalPA_Set WMP-06	14 CalPA_Set WMP-06_Q14	a) hes PGAE's Asset Faitur Analysis Team causally connected any ignitions that occurred in 2022 to assets with settling asset or vegetation corrective notifications at the time of graition? If the answer topic (a) jee, pelesse provide the following information on each such ignition: I. Unique graition ID (matching the previous question). Date of graition: Date of graition: I. Displace of graition and the period of the providence of the providence of the period of the p	A) Yes, Johase see below. J) Two gritions have been identified that meet these criteria: lyption D Date of grition Cause Type of Corrective Notification. Copies of Associated COPIES of Associat	3/29/2023	7.3.7	Data Governance	Asset Failure Analysis
Pre-Discovery 40	CaPA	Set WMP-06	CalPA_Set WMP-06	15 CalPA_Set.WWWP-06_O15	Per PCAE's response to Data Request CalAdvocates-PCE-2022WMP-17, Question 13, March 24, 2022, PCAE's respection strategy in 2022 was to complete detailed impections or all assets in HFTD Ter 3 and 20ne 1, and approximately one-bir of disastes in HFTD Ter 2. a) Presse describe any changes to the above strategy for PCAE's detailed distriction inspections in 2023. a) Presse describe any changes to above strategy for PCAE's detailed introduction inspections in 2024. b) Please describe any changes to above strategy for PCAE's detailed transmission inspections in 2024. c) Please describe any changes to the above strategy for PCAE's detailed transmission inspections in 2024.	structures may be added to the detailed inspection scope armally based on the following considerations: "Willief Rolls, which in informed by the water Hard Thrammanison Composites Moded *I/CR(M) armanisated probability "Willief Rolls, which in informed by the water Hard Thrammanison Tests Moded V1 (see respection result broads, Nation for locations etc.) *Other Eddors involving data not currently integrated into the Wildfer Tarammission Pissk Moded V1 (see respection result broads, Nation for locations etc.) For additional details on this strategy, please refer to destion 8.1 9.1 of at 2022 WMP respective. For additional details on this strategy, please refer to destion 8.1 9.1 of at 2022 WMP respective. For additional details on this strategy, please refer to destine 8.1 of a 2022 WMP respective productions of the strategy of the	3/29/2023	7.3.4.1	Asset Management and Inspections	NIA
Pre-Discovery 41	CaIPA	Set WMP-06	CalPA_Set WMP-06	16 CalPA_Set WWP-06_C16	Regarding your PSPS circuit modeling capabilities. a) Please describe your present croxit modeling capabilities with regard to PSPS decision /making (*PSPS circuit modeling capabilities). Picturing with what level of grimsularity they are able to determine how circuit hardening on the present part of the present PSPS circuit modeling capabilities that you expect to implement in 2023. b) Please describe any improvements to the present PSPS circuit modeling capabilities that you expect to represent part of the present pSPS circuit modeling capabilities that you expect to oil Psease describe any improvements for your PSPS circuit modeling capabilities at the conclusion of the 2023-2025 WMP cycle.	a) For all questions below. PGES understands crisis modeling to mean the level of granularity at which a stillty consider the configuration of its deciction allocates and de-energizer ham as such. PGES frootles and de-energizers circuits utilizing all wishfling devices on the system that do not pose injection risks. PGES frootles and de-energizers circuits utilizing all wishfling devices on the system that do not pose injection risks. In the particular control of the period	3/29/2023	PSPS	N/A	N/A

Pre-Discovery 42	CaPA	Set WMP-06	CalPA_Set WMP-06	17	CalPA_Set WMP-06_G17	a) Have you developed Public Safely Power Shuboff (PSPS) risk scores at the circuit-segment level? b) Have you developed Enhanced Powerline Safely Settings (EPSS) risk scores at the circuit-segment level? of the answer be wither parts (a) or (b) yes, please provide a geodabashee (Encorating, as the features, the modificent spatial data for stircuit segments for with you have modified PSPS or EPSS risk scores, include 1. Circuit Semillacon Number or 1. Circuit Semillacon Number of 1. Circuit Semillacon Num	a) Yest. This is cited in Section 6.2.1, figure 6.2.1-3. b) No. c) Please see "WMP-Discovery/2022_DR_CalAdvocates_(096-0017Acint/1CONF.zip" which is a geodatabase file containing the critical segments sking with PDFS risk values and Circuit Segment fames. Due to the different circuit of yest, please see "WMP-Discovery/2022_DR_CalAdvocates_(096-0017Acint/20CONF.siss" which provides the circuit segment PSFS risk values. e) Very please see "WMP-Discovery/2022_DR_CalAdvocates_(096-0017Acint/20CONF.siss" which provides the circuit segment PSFS risk values. e) Very produces an annual reliability study of EPSS outage activity, which informs reliability mitigation actions. Purchamone, POSE is exploring scorporating this data into an "EPSS reliability risk" score for circuit segments.	3/29/2023	PSPS/EPSS	N/A	NIA
Pre-Discovery 43	CPUC - SPD (Safety Peticy Division)	001	CPUC - SPD (Safely Policy Division)_001	1	CPUC - SPD (Safely Policy Division)_001_01	REFCL Inquiries: -REFCL Plot at Calistoga Circuit Segment ID 1102131531 Ciflectories window active settings profiles Collectories window active settings profiles Collectories window active settings profiles Collectories windows active settings profiles Collectories windows active settings profiles Collectories windows active settings and considered collectories windows and considered collectories windows and collectories windows and collectories and collectories windows and collectories win	I. The REFCL equipment installated in the substation protects all the primary lines on both Calistogs circuits. Three sterlings profiles allow for changing state transitivity and tripping between or the fy based on field conditionation statics profiles allow for changing state transitivity and tripping between or the fy based on field conditionation is clear the fast. Setting 2 is for improve the condition of the conditionation of the c	3/9/2023	6.18.13	Grid Operations and Procedures	Satings of Other Emerging Technologies (e.g., Rapid Emit Fault Current Limiters)
Pre-Discovery 44	CPUC - SPD (Safety Policy Division)	001	CPUC - SPO (Safely Policy Division) 001	2	CPUC - SPD (Safety Policy Division)_001_02	EPSS & Supporting Technologies (DCD & Partial Voltage Detection) Inquiries: «Epplan all activities planned to mitigate EPSS reliability impacts. drice customes upport programs (e.g. Auberty acksub) delibrit from or linked to those in place for PSPS implementation: Consultation of the Consultation of th	In first flowing in society devices allowed to reject and to additional review of a receivable process that includes additional review of or circultivation Review of CPC22 preformance that review of the review of	3/9/2023	8.1.8.1.1	Grid Operations and Procedures	Protective Egypment and Device Settings
Pre-Discovery 45	CPUC - SPD (Safety Policy Division)	001	CPUC - SPO (Safely Policy Division)_001	3	CPUC - SPD (Safety Policy Division)_001_Q3	EPSS & REFCL logisries: «PPSS is REFCL - Describe the major similarities and differences. «PPSS is REFCL - Describe the major similarities and differences. «What are advantages and disadvantages? — It is terms of capability, sections/about sulkey, and reliability? — It is terms of capability, sections/about sulkey, and reliability? — Supplies and how does REFCL & EPSS intigate them risk? — One-bination of REFCL with EPSS in One-Midgations — Deptain how these could work together, and if PCSE has quantified combined risk-reduction benefits. — Deptain the differences in flust energy from Midgations— Explain how deep risk in the difference in flust energy for PESS is a referred in flust energy for the reliability of EPSS fault energy for fow impedance faults. «Explain the effectiveness of DCD vs REFCL on high impedance faults.	An incursive, to crisi allow the control of the con	3/9/2023	8181	Grid Operations and Procedures	Equipment Settings to Reduce Wildfre Risk

Pre-Discovery 48	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	4 CPUC - SPD (Safety Policy Division)_001_Q4	Commonli risk reduction incustry. Whole RCAEE, goal for large term risk reduction, particularly reduction of likelihood of ignition and also reduction of consequences, for circuits in HFTDs that are not undergrounded?	InGAE's tong term goal is to maximize risk reduction by undergrounding high wildfer risk locations. For locations his wild not be undergrounded, we will confirme to deploy or suite of Copenitional Mitigations and other System Resilience Mitigations. Operational Mitigations include programs such as EPSS, equipment imarternance and regar, vegetation management for operational mitigations, and PSS. System Resilience Mitigations include programs such as covered conductor installation, trainmission conductor replacement, line removal, and distribution grays such as covered conductor installation, trainmission conductor replacement, line removal, and distribution of the visit and programs such as covered conductor installations, trainmission respection programs and distribution programs usus and positional programs usus and professional programs usus and professional programs usus and usus and programs usus and professional programs usus and programs usus and professional programs usus and professional programs usus and professional programs usus and professional programs are the contract and professional programs are the contract and professional professional programs are the contract and professional profession	3/9/2023	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
Pre-Discovery 47	Green Power Institute (GPI)	001	Green Power Institute (GPI)_001	1 Green Power Institute (GPI)_001_Q1	Please provide PCAE's Pre-automission 2023-2025 WMP Base Plan filled on February 13, 2023, with the OEIS part the 2023 WMP Caudelines and Schedule document. Including all attachments and associated supporting documents required for the Pre-automission 2023-2025 WMP Base Plan filling.	FIGAE has designated the entire pre-submission as confidential to align with Energy Safety ip pre-submission process and guidelines with singulate that the pre-submission documents are not to be made public. In addition, the pre-submission of the pre-submission of the pre-submission of the pre-submission of the pre-submission for interference to entire that a considered confidential. An orded in our correspondences by you chark this and Masch 10th, we can provide you with a copy of the pre-submission documents that were submitted upon execution of a non-disclosure agreement. Afternarily, we will be written that the pre-submission documents to the pre-submission documents and the pre-submission documents to the pre-submission documents and the pre-submission documents and the pre-submission documents are submissioned by the pre-submission documents and the pre-submission documents and the pre-submission documents are submissioned by the pre-submission documents and the pre-submission documents and the pre-submission documents are submissioned to the pre-submission documents and the pre-submission documents are submissioned by the pre-submission documents are submissione	3/14/2023	All	All	All
Pre-Discovery 48	CaPA	Set WMP-37	CalPA_Set WMP-37	1 CaPA_Set WWP-37_Q1	Please provide a copy of each VMMP Lypide-radiated document, submission, or report pos submit to the Office of Energy infrastructure. Safety (Energy Safety) in 2024 or 2025 that is resided to your 2025 WMP Lyclase. Provide the copy to Cal Advocates within one business day of the document's submittal to Energy Safety (if you have submitted a document to Energy Safety for the Safet sequest). Some soon as possible and real test than 10 business days from the issuance of this soft an regional. Some soon as possible and real test than 10 business days from the issuance of this soft an regional. Some soon as possible and real test that the sound is the safety of the	PGSE Colected to the instructions or definitions in the set of data requests entitled California Ca	4/3/2024	N/A	NA	NJA
Pre-Discovery 49	CaPA	Set WMP-37	CalPA_Set WMP-37	2 CalPA_Set WMP-37_G2	Provide a copy of all documents or files that are referenced in your WMP Quarterly Data Reports and submitted to Energy Safety (including but not limited to all PDFs, spatial data files, non-spatial data files, and confidential attachments), within one business day of the document's submission to Energy Safety.	and afform is all general objections. PGEE specifically objects to this request on the grounds that it is unity budentenine. PGEE faither objects to the recepts as the information requested is vapue, annibiguous, and overbroad. Lestly, PGEE objects to the request and the promotion that it seeks to impose a contriburing response objection on the properties of the propert	4/3/2024	N/A	N/A	NIA
Pre-Discovery 50	СаРА	Set WMP-37	CalPA_Set WMP-37	3 CalPA_Set WMP-37_Q3	Provide a copy to Call Advocation of all your confidential responses to NMM discovery requests, on the same basiness day that you send the documents to the issuer of the discovery request. This includes: a) Confidential responses to WMP discovery requests issued by green gradely, b) Confidential responses to WMP discovery requests issued by other entities.	In addition to all general objections, PGEE aspectically objects to this request on the grounds that it is unby by betterioner, PGEE faither objects to the recepted as the information requested is negles, ambiguous, and overticated, Lastly, PGEE objects to the information requested is negles, ambiguous, and overticated, Lastly, PGEE objects to the responding parties, Confirming discovery obligations are not permitted under California late. Bless v. Doom Molit Corp., 124 Calif App. 8th 1315, 1326 (COID, Code CV Proc.) \$200.000((S)). Notel Instantiated and without wainting these objections, PGEE We will do our best to provide the requested information within the requested fineframe, or as soon as possible thereafter. However, please noted that clue to the fining and vuluminous nature of our submissions to Eurery Safety, it may not always be possible for the provided from the contraction of the contractions and the contraction of the contractions of the contractions and the contractions of the	4/3/2024	N/A	NA	NA
Pre-Discovery 51	CaPA	Set WMP-38	CalPA_Set WMP-38	1 CaPA_Set WWP-38_Q1	Increase Tacks was to an assurance recoveragement assessing was or annuary 1, rocce (as rows) twis increases in these includes and the circuit level instead and option why PGAE is unable to provide as the circuit level instead and option why PGAE is unable to provide as the circuit level instead and option why PGAE is unable to provide as I Circuit degree from the circuit level instead and option why PGAE is unable to provide as I). Circuit among C. Circuit degree from the circuit level instead and option why PGAE is unable to provide as I). Circuit among C. Circuit degree from the circuit level instead and option why PGAE is unable to provide as I). Circuit among C. Circuit degree from the circuit level instead in the circuit level instead of the circuit leve		4/12/2024	8	Section 8.1.3 - Asset Inspection	8.1.3.2 Asset Inspections - Distribution

Pre-Discovery 52	СаРА	Set WMP-38	CalPA_Set WMP-3t	2	CalPA_Set WMP-38_Q2	Printing at Eucha table or at materialisation critical extensity as or January 1, Autos (set nows) are modules are following information in separate columns: 1) Circuit Di number 3) Circuit Di number 3) Circuit Di number 3) Circuit miles in Non-HFTD 10 Circuit miles in Non-HFTD 19 Circuit miles (set now 19 Circuit miles in HFTD 19 Circuit miles (set now 19 Circuit miles in HFTD 19 Circuit miles in HFTD 19 Circuit miles (set now 19 Circuit miles of de-energization on the circuit due to PsPS events in 2023 (sum of customer-minutes of de-energization on the circuit due to fleaking actions (set now 19 Circuit miles in HFTD 19 Circuit miles (set now 19 Circuit miles in HFTD 19 Circuit miles (set now 19 Circuit miles of seporal structures replaced in Non-HFTD in 2023 (set now 19 Circuit miles of seporal structures replaced in HFTD 19 Circuit miles (set now 19 Circuit miles of columns of the Circuit miles (set now 19 Circuit miles of columns of circuit miles (set now 19 Circuit miles of circuit miles of circuit miles (set now 19 Circuit miles of circuit miles (set now 19 C		4/12/2024	в	Section 8.1.3 - Asset Inspection	8.1.3.1 Asset Inspections - Transmission
Pre-Discovery 53	CalPA	Set WMP-38	CalPA_Set WMP-38	3	CalPA_Set WMP-38_Q3	Provide an Exert table of all distribution circular existing as of January 1, 1023 (as rows) that were enrowed or economissioned to 2022, either partially or entirely. This include permanent removal, enrowed of overhead lines that were moved underground, or overhead lines that were decommissioned but not physically removed. Include the following information in separate columns: a) Circuit name b) Circuit To number c) Circuit make removed or decommissioned in Non-NFTD c) Circuit miles removed or decommissioned in Non-NFTD c) Circuit miles removed or decommissioned in SPTD Title 2 c) Circuit miles removed or decommissioned in SPTD Title 2 c) Circuit miles removed or decommissioned in SPTD Title 2 c) Circuit miles removed or decommissioned in SPTD Title 3 c) Reason(s) for removal or decommissioned in SPTD Title 3 c) Reason(s) for removal or decommissioned in SPTD Title 3 c) Reason(s) for removal or decommissioned in SPTD Title 3 c) Reason(s) for removal or decommissioned in SPTD Title 3 c) Reason(s) for removal or decommissioned in SPTD Title 3 c)		4/12/2024	8	Section 8.1.3 - Asset Inspection	8.1.3.2 Asset Inspections - Distribution
Pre-Discovery 54	CalPA	Set WMP-38	CalPA_Set WMP-38	4	CalPA_Set WMP-38_O4	Provise an Exet bible of all transmission clouds existing as of January 1, 2023 (as rows) that were removed or decommissioned to 2023 either partially or entirely. This includes permanent removed, indeed the following information in separate columns: all transmissioned but not physically removed, include the following information in separate columns: a) Circuit name b) Circuit to number c) Circuit miles removed or decommissioned in Mon-HFTD c) Circuit miles removed or decommissioned in Mon-HFTD d) Circuit miles removed or decommissioned in Mon-HFTD f) Circuit miles removed or decommissioned in Mon-HFTD f) Circuit miles removed or decommissioned in Mon-HFTD f) Circuit miles removed or decommissioned in Mon-HFTD Tite 2 f) Circuit miles removed or decommissioned in Mon-HFTD Tite 3 g) Reason(s) for removal or decommissioned in MFTD Tite 3 g) Reason(s) for removal or decommissioned in MFTD Tite 3 g) Reason(s) for removal or decommissioned in MFTD Tite 3		4/12/2024	8	Section 8.1.3 - Asset Inspection	8.1.3.1 Asset Inspections - Transmission
Pre-Discovery 55	MGRA	008	MGRA_Data Reques	1	MGRA_Data Request No. 8_Q1	GIS Duta: Please provide the GIS data set provided to the Office of Energy Infrastructure Stately for 01-04 2023. Please renove accordingential aftirbutes that may have been added to the Please provide for Asset Point data for Camera, Fuse, Support Structure, and Weather Station.	GENERAL STATEMENT REGARDING RESPONSES TO QUESTIONS 1 THROUGH 6 In response to question 1 through 6 th these of data requests. PCRE is providing non-confidential data from the 2022 Office of Energy Ministructure and Safety (Energy Ministructure) and provided through the confidence of Energy Ministructure and Safety (Energy Ministructure) and submission (exproximately 1.5 million records each quarter), included the submission (exproximately 1.5 million records each quarter), included an expression of the data data reades completely in the submission of the data creates completely in interconnected aspect of feature class data and the geospatial representation of the data creates completelism in leteriting interconnected aspect of feature class data and the geospatial representation of the data creates completelism in leteriting interconnected aspect of feature class data and the geospatial representation of the data creates completelism in leteriting interconnected aspect of feature class data and the geospatial representation of the data creates completelism in leteriting interconnected aspect of the data for internal purposes only and restrict access to a new about the data for internal purposes only and restrict access to a new body and access to the data for internal purposes only and restrict access to a new body and access to the data for internal purposes only and restrict access to a new body and access to the data for internal purposes only and restrict access to a new body and access and the data for internal purposes only and restrict access to a new formation. Policies in confidential data from the Support disturbance feature class. As requested, PCRE is not providing of data for the Fise feature class as the statement of the confidential data is confidential data in confidential data for the fisher after access as the state data is confidential data from the purpose of the providing control and the data for the fisher access as the state data is confidential data for the fisher access as the state da	4/5/2024	Appendix D	Appendix D – Areas for Continued Improvement	Appendix D ACI PG&E-22—33 Progress on Filling Asset Inventory Data Gaps
Pre-Discovery 56	MGRA	008	MGRA_Data Reques	2	MGRA_Data Request No. 8_Q2	Provide Asset Line data for Transmission Line (as permitted as non-confidential), Primary Distribution Line, and Secondary Distribution Line.	for the data provided in response to this data request. In response to the request, PGAE is providing non-confidential data for the Primary and Secondary Distribution Line Feature Classes, as delivered in the 2025 Energy Safety GSD bats Standard Submissions. As requested PGAE is not providing the Commission of the PGAE of the P	4/5/2024	Appendix D	Appendix D – Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filling Asset Inventory Data Gaps
Pre-Discovery 57	MGRA	008	MGRA_Data Reques	3	MGRA_Data Request No. 8_Q3	Provide PSPS Event data. Include Event Log. Event Line, Event Polygon data. Please exclude customer meter data. Provide all PSPS Event Asset Damage data including photos.	In response to this request, PS&E is unable to provide Public Safely Power Shatoff (PSPS) Event data for the Caster (G) (2, and 0.32 d23 statistissions as no PSPS Events took place those quarters. Two PSPS events occurred during the third quarter in 2023. As requested, or no-conclidental data is included in this response. Please see attachment "WMP-Discovery/0223-2025. DR MGRA_008-0001Acthol zip," for the data provided in response to this data request.	4/5/2024	Appendix D	Appendix D – Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filling Asset Inventory Data Gaps
Pre-Discovery 58	MGRA	008	MGRA_Data Reques	4	MGRA_Data Request No. 8_Q4	Provide Risk Evert Point data, including Wire Down, Ignillon, Transmission unplanned outage (as dassified non-confidential), Distribution Unplanned Outage data, Distribution Vegetation Caused Unplanned Outage, Risk Event Asset Log.	In response to this request, PC&E is providing non-confidential data for the Wire Down, lightinot, Inplanned Oxolpa, and Risk Event Asset Log feature Casses, as delivered in the 2023 Energy Safety GS Duta Standard Submissions. Energy Safety changed its schema for version 1 of the Duta Standard and comforted of Lodge feature classes schema for version 1 of the Duta Standard and comforted of Lodge feature classes. Please see attachment "WMP-Discovey/XZ2-2025 DR MCRA_008-0001Actnot 12p," for the data provided in response to this data request.	4/5/2024	Appendix D	Appendix D – Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filling Asset Inventory Data Gaps
Pre-Discovery 59	MGRA	008	MGRA_Data Reques	5	MGRA_Data Request No. 8_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.	In response to this request, POSE is providing non-confidential data for the Grid Hardening Prior hard Grid Hardening Line Resture classes, as delivered in the 2023 Energy Safety CRS Data Standard Submissions. Energy Safety changed its schema for version 3.1 of the Data Standard without removed the Grid Hardening Log feature class. Please see attachment "WIMP-Discovery,2023-2025, DR, MGRA_008-Q001Alch01.zip." for the data Porcific in response, to line field are nowed.	4/5/2024	Appendix D	Appendix D – Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filling Asset Inventory Data Gaps
Pre-Discovery 60	MGRA	008	MGRA_Data Reques	6	MGRA_Data Request No. 8_Q6	Under Other Required Data, please provide Red Flag Warning Day polygon data.	In response to this request, PS&E is providing non-confidential data for the Red Flag Warning Day polygon data for CQ&4 2023 Cleature class as delivered in the 2023 Energy Sidely GIS Data Standard Submissions. PS&E is unable to provide the Red Flag Warning Day polygon data for the OL 2023 submissions as there were no Red Flag Warning days to report. Please see attainment "WINP-Discovery/2023-2025_DR, MGRA_008-0001Adxh01 zip."	4/5/2024	Appendix D	Appendix D – Areas for Continued Improvement	Appendix D ACI PG&E-22–33 Progress on Filling Asset Inventory Data Gaps
Pre-Discovery 61	MGRA	008	MGRA_Data Reques	7	MGRA_Data Request No. 8_Q7	Please provide a layer indicating calculated circust-level risk using the methodology presented in the WIMP. a. It independently crobability and consequence layers exist, please provide these independently as well.	for the data crovided in reasonae to this data resuest. The requested crost segment-level risk model results that correspond with this request for 2002.01-04 data are the Wilder Distribution Risk Model (WDRN) v5 results that the second risk of the Risk of the Second Risk of the Risk of the Risk model (WDRN v4) in PGSR 2005 WNP Update, the rest feestand of the Wilder Risk model (WDRN v4) is a cultimed. At this time the model has recently been inferrally approved for use in developing blare workplains. WDRN v4 influenced workplains will be first infroduced in lance 2006 WNP.	4/5/2024	Appendix D	Appendix D – Areas for Continued Improvement	Appendix D ACI PG8E-22-30 Response Operations for Potential Fault/Outages in its Highest Risk Areas

Pre-Discovery 65 Pre-Discovery 65 Pre-Discovery 66 Pre-Discovery 66	CaPA CaPA	Set WMP-39 Set WMP-39	CalPA_Set WMP-39 CalPA_Set WMP-39	5	CalPA_Set WMP-39_Q4 CalPA_Set WMP-39_Q5 CalPA_Set WMP-39_Q6	For each WMP initiative for which you forecast capital expenditures in 2025 to be at least two times actual capital expenditures in 2025, desires provide. a) The name of the initiative and is identified in your 2025 WMP Update. b) The WMP billiative number in Table 11 of your 2025 WMP Update. c) The came of the initiative said is identified by your 2025 2025 Disse WMP. d) An explanation for the projected increase. For each WMP initiative for which you forecast operating expenditures in 2025 to be at least two times actual operating expenditures in 2025 WMP. For each WMMP initiative for which you forecast operating expenditures in 2025 to be at least two times actual operating expenditures in 2025 WMP. For each WMMP initiative for which you forecast operating expenditures in 2025 to be at least two times actual operating expenditures in 2025 WMP. For each WMMP initiative for which you forecast operating expenditures in 2025 to be at least two times actual operating expenditures in 2025 WMP. For each WMMP initiative for which you forecast operating expenditures in 2025 to be at least two times actual operating expenditures in 2025 to be at least two times actual operating expenditures in 2025 to be at least two times actual operating expenditures in 2025 beautiful actual to the state of the 2025 period of the 2025 WMP Initiative expenses in 2025 Period WMP	b) PG&E is providing the name of the activity contenty in the providing the name of the activity contenty in the providing the name of the activity contenty in the providing the name of the activity contenty in which and PSPS enter general. (C) Customer support in wildine and PSPS enter general. (C) Traditional content factorizing (C) Traditional contents and the providing that and PSPS enter general. (C) Traditional contents factorizing (C) Traditional contents and the providing that and PSPS entergeneral. (PSPS Entergenera	4/5/2024 4/5/2024	2.3 Expenditures 4	Section 4 - Overview of WMP Section 4 - Overview of WMP Section 8.1.3 - Asset Irrepection	4.3 Proposed Expenditures 4.3 Proposed Expenditures 5.1.3 Asset Inspections
Pre-Discovery 84 Pre-Discovery 95				5		expenditures in 2022, please provide. 3) The ream of the initiative as it is identified in your 2025 VMPF Update. b) The WMP bitistive number in Table 11 dyour 2025 VMPF Update. c) The WMP bitistive number in 2025 11 dyour 2023 MPF WMPP (a) The WMP bitistive number in 2025 11 dyour 2023 MPF (b) MPP (c) The WMP bitistive number in 2025 MPF (c) The WMP (c) The WM	category in lise of the initiative number for PACEA is providing the name of the activity (PACEA is providing the name of the activity category (I) Castomer support in wilder and PSPS enterpretation (I) and pace of the initiative in Table that includes activity (PACEA is provided in the initiative in Table that activity category for this initiative in Table that I includes activity categories. The WMP activity category for this initiative in Table to Overhead Hardening (PACEA IS PACEA		2.3 Expenditures		
Pre-Discovery 64	CaPA	Set WMP-39	CalPA_Set WMP-39	4	CalPA_Set WMP-39_Q4	expenditures in 2023, please provide: a) The name of the initiative as it is identified in your 2025 WMP Update. b) The WMP Initiative number in Table 11 of your 2025 WMP Update. c) The name of the initiative as it is identified in your 2025-2025 Base VMP c) The WMP Initiative number in Table 11 of your 2023-2025 Base VMP	cadegory in list of the initiative number for PCRASE is providing for enume of the activity (PCRASE is providing for enume of the activity (1) Cautome support in wideline and PSPS enemergencies (2) Traditional Overhead Hardening (2) according to the providing for enumerating the enumeration of the providing for enumerating the enumeration of the enumera	4/5/2024	2.3 Expenditures	Section 4 - Overview of WIMP	4.3 Proposed Expenditures
							Interes are not very measures under a reproposation across, where use forecast capital sequendriume in 2025 or a least two times the scalar capital expenditures in 2025 or a least two times the scalar capital expenditures in 2025 (1) cautions support in wildfire and PSPS emergencies, and (2) traditional overhead for the scalar of PSPS emergencies apport in wildfire and PSPS emergencies of the scalar of PSPS emergencies of the scalar				
Pre-Discovery 63	CalPA	Set WMP-39	CalPA_Set WMP-39	3	CalPA_Set WMP-39_Q3	Provide an Excel table of all delects in the year 2023 Stand by Energy Safety's Compliance Branch (as rows) that includes the following information in separate columns: a) Associated circuit name b) Delect byge delect of the Safety S	Please note the attachment to this response contains CONFERNTML information provided pursuant to the accompanying confidentiality declaration. Please see attachment "WIMP-Discover 9203-2052. DR CallAdvocates, 039-0059Abrio1CONF-star." for the requested information.	4/5/2024	11	Section 11 - Corrective Action Program	11.3 Corrective Action Program - Address finding from Energy Safety's Compliance Assurance Division (i.e., audits and notices of defect and violation)
	CalPA	Set WMP-39	CalPA_Set WMP-39	2	CalPA_Set WMP-39_Q2	These identify and provide a copy of all quality assurance or quality control (QAOC) reports conducted by element entitles that have been completed since always 7,023 and that earnmed any programs, initiatives, or strategies escribed in jour 2023.2026 has WMP. Element entitles include, but are not limited to, consultants, contractors, auditors, court-appointed monitors, and independent Evaluations.	Smills to PGAE's response to This request last jues, a value report from the bedreambers Selety Muniforw sensy provided to the CPGLO white PGAE 202.024. An appoint by the CPUC on April 4, 2024. All reports from the Independent Salety Munifor, including this most recent report, to the found at the Eulerwing lank. Index inverse capic capital facilities and supposing perfect selety monitor. The Index inverse capital facilities and supposing perfect selety monitor. The Index inverse capital facilities and supposing perfect selety monitor. The Index inverse capital facilities and supposing perfect selety monitors and Index inverse capital facilities and supposing programs and Index inverse c	4/5/2024	8	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)
Pre-Discovery 62	CaPA	Set WMP-39	CalPA_Set WMP-39	1	CalPA_Set WMP-39_Q1	Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by internal entities that have been completed since January 1, 2023 and that examined any programs, initiatives, or strategies described in your 2023-2026 Base WMP.	PGSET historically has immaged Coultily Assurance (GAVC) usally Control (CC) within or individualized functional area. In 2023, PGSEE formalized its independent quality management system in support of the System Impactions and Vegelation Management of the System Impactions and Vegelation Management of the System Impaction and Vegelation Management of the Solicity System Individual Coultilists of the Solicity Systems of the Solicity Systems (See See See See See See See See See Se	4/5/2024	8	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)

Pre-Discovery 69	CaPA	Set WMP-39	CalPA_Set WMP-39	8 CaPA_Set WMP-39_Q8	In response to Data Request Californates PGE-2020WMP-06, Question 8, Merch 29, 2023, PGAE provided its 2023 system hardening workplain for the categories referred to in parts (a)-(d) below. Please provide an updated version of this workplain with additional columns to show the actual system hardening work performed in each circuit-segment in 2023 for each of these categories. Please add rows as needed to cover all circuit-segments original sortigats, deplain hardening sort is 2022 (even if those circuit-segments were not included in the all training sorties of the control of the contr	Please not the attachment to his response contains CDATECENTAL information provided pursuant between the accompanying confirmality identification. Please see attachment VMM-Discovery/2023-2025. DR. Caladvocates (398-2008). Please see attachment VMM-Discovery/2023-2025. DR. Caladvocates (398-2008). Decoded DR. COMPA size for the requested information. This statisticates our transferring work in 2023. The work associated with projects completed in 2023 can be found in the columns noted below: 3 (Column Y. 14-2002 Complete Miles. 3 (Column Y. 14-2002 Complete Miles. 4) (Column A. Removal — 2023 Complete Miles. 4) (Column A. Removal — 2023 Complete Miles. 4) (Column A. Bemoval — 2023 Complete Miles. 5) (Column A. Bemoval — 2023 Complete Miles. 5) (Column A. Bemoval — 2023 Complete Miles. 6) (Column A. Bemoval — 2023 Complete Miles. 6) (Column A. Bemoval — 2023 Complete Miles. 7) (Column A. Bemoval — 2023 Complete Miles. 7) (Column A. Bemoval — 2023 Complete Miles. 8) (Column A. Bemoval — 2023 Complete Miles. 9) (Column A. Bemoval — 2023 Complete Miles. 9) (Column A. Bemoval — 2023 Complete Miles. 10 (Column A. Bemoval — 2023 Complete Miles. 11 (Column A. Bemoval — 2023 Complete Miles. 12 (Column A. Bemoval — 2023 Complete Miles. 13 (Column A. Bemoval — 2023 Complete Miles. 14 (Column A. Bemoval — 2023 Complete Miles. 15 (Column A. Bemoval — 2023 Complete Miles. 16 (Column A. Bemoval — 2023 Complete Miles. 17 (Column A. Bemoval — 2023 Complete Miles. 18 (Column A. Bemoval — 2023 Complete Miles. 19 (Column A. Bemoval — 2023 Complete Miles. 19 (Column A. Bemoval — 2023 Complete Miles. 10 (Column A. Bemoval — 2023 Complete Miles. 10 (Column A. Bemoval — 2023 Complete Miles. 10 (Column A. Bemoval — 2023 Complete Miles. 11 (Column A. Bemoval — 2023 Complete Miles. 12 (Column A. Bemoval — 2023 Complete Miles. 13 (Column A. Bemoval — 2023 Complete Miles. 14 (Column A. Bemoval — 2023 Complete Miles. 15 (Column A. Bemoval — 2023 Complete Miles. 16 (Column A. Bemoval — 2023 Complete Miles	4/5/2024	ACI 23-05 Updating Grid Hardening Decision Making	System Hardening	N/A
Pre-Discovery 70	CaPA	Set WMP-39	CalPA_Set WMP-39	9 CaPA_Set WMP-39_Q9	Provide your workplan that describes where and when you will perform system hardening on distribution circuits 12025. For projects that you expect to partially complete in 2025 (i.e., projects that stated before 2025 and are expected to continue in 2025, or prejects that stated before 2025 and are expected to continue in 2025, or prejects that are expected to continue in 2025, or prejects that are expected to continue in 2025, prejects that are expected to continue in 2025, prejects that the project for each project, include the following information in separate columns, at a minimum: b) MAT code 0) Cross ID number 1) Respected completion date of the project affects more than one circuit-segment, please identify each reject 1) The expected or calculated ining 2) Ib expected or calculated ining 2) The expected or calculated that of the project 1) The expected or calculated inity and the project of the project in 2025 and replaced by the project in 2025 and replaced by underground conductor to be installed in 2025 1) Length (in circuit miles) of overed conductor to be installed in 2025 1) Length (in circuit miles) of overed conductor to be installed in 2025 1) Length (in circuit miles) of overed conductor to be installed in 2025 and not replaced with covered conductor or underground conductor to the installed in 2025 and not replaced with covered conductor or underground conductor to the installed in 2025 (if this is greater than zero, please describe the type of system hardening project to be installed in 2025 (if this is greater than zero, please describe the type of system hardening project to be installed in 2025 (if this is greater than zero, please describe the type of system hardening project to be installed in 2025 (if this is greater than zero, please describe the type of system hardening project to be installed in 2025 (if the system hardening project to the installed in 2025 (if this is greater than zero, please d	GOODMAPOTICONET size. for a list of PCAEE s system historing projects for the years 2022-2002. Please as the projects and the projects of the post of	4/5/2024	ACI 23-05 Updating Grid Hardening Decision Making	System Hardening	N/A
Pre-Discovery 71	CaPA	Set WMP-39	CalPA_Set WMP-39	10 CalPA_Set WMP-38_Q10	For each of your 2023-2025 WMP system hardening initiatives, please provide disaggregated information related to expenditures and circuit miles treated in the attached table, CalAdvocates-PCE-2023WMP-03 Attachment 2. Add columns as needed.	Crocal hance, reviews rate "habor or "robber of "robber" highlight halderhing dhada' mass or the years 2023-2025. Provided are both to target millias and the caultion projected milles for each year. Please notice that white the current System Nate desiring workplain and the caulting of the control of the caulting projected milliand to each year. Please notice that white the current System Nate desiring workplain and 2025 to account for project dependence and control school waste that may size and cold sy some projects. PCASE intends to manage the system handering profitio to meet or nearly occurs the target millian therefore, the projected males included below for 2023 and 2025 are equivalent to the largest. 152 2024 and 2025 are equivalent to the largest. 152 2024 and 2025 are equivalent to the largest. 152 2024 and 2025 are equivalent to the largest. 152 2024 and 2025 are equivalent to the largest. 152 2024 and 2025 are equivalent to the largest. 152 2024 and 2025 are equivalent to the largest. 152 2024 and 2025 are equivalent to the largest. 152 2024 and 2025 are equivalent to the largest. 152 2024 and 2025 are equivalent to the largest. 152 2024 and 2025 are equivalent to the largest. 152 2024 and 2025 are equivalent to the largest. 152 2024 and 2025 are equivalent to the largest. 152 2024 and 2025 are equivalent to the largest. 152 2025 are equivalent to the largest and and 2025 are equivalent to the largest and 2025 are largest and 2025 are equivalent to the largest and 2025 are equivalent to the largest and 2025 are larges	4/5/2024	ACI 23-05 Updating Grid Hardening Decision Making	System Hardening	N/A
Pre-Discovery 72	CalPA	Set WMP-39	CalPA_Set WMP-39	11 CalPA_Set WMP-39_Q11	On page 406 of PG&E's 2023-2025 WMP R4, January 8, 2024, PG&E provided Table PG&E-8.1.2-3, shown below. Please provide an updated version of this table (preferably in Excel format) with actuals from 2023 and updated estimates for 2024, 2025, and 2026.	Please see attachment WMP-Discovery2023-2025_DR_CalAdvocates_0039- QD11AbriD1.1stx* for an updated version of the requested table as of February 2z, 2026. As described in response to CalAdvocates_0139-009_PGSE combined years 2025 and 2026 because the construction timelines associated with these projects are still benin finalized.	4/5/2024	ACI 23-05 Updating Grid Hardening Decision Making	System Hardening	N/A
Pre-Discovery 73	CaIPA	Set WMP-39	CalPA_Set WMP-39	12 CalPA_Set WMP-39_Q12	On October 3, 2023, the Wildfire Safety Advisory Board held a meeting. Four documents related to PGAE's grand-fevel distribution system pilot are listed in the meeting materials (see https://lenergysafety.ca.gov/events-and-meetings/event-hildfire-addy-advisor-board-meeting-10-2029). Please provide confidential (e., unredacted) copies of these four documents: b) Project Pfilot Scope O Product Información O Pfilot Construction Sketch	a) Please see attachment WMP-Discovery 2023-2025 PR. Call-Anocates, 039- 00724And/10COMP, 2016 for the Experimental installation Letter. b) Please see attachment "WMP-Discovery 2023-2025, DR. Call-Anocates, 039- 00724And/20COMP, pdf for the CLDS Project Pilot Scope. c) Please see attachment "WMP-Discovery 2023-2025, DR. Call-Anocates, 039- 00724And/20COMP, pdf for account present pr	4/5/2024	ACI 23-05 Updating Grid Hardening Decision Making	System Hardening	NA
Pre-Discovery 74	CaIPA	Set WMP-39	CaiPA_Set WMP-39	13 CalPA_Set WMP-39_Q13	Identify any ignition in 2023 associated with assets where you had an existing corrective notification at the time of the ignition. Please provide a spreadsheet listing each such ignition (as rows) with the following information in separate columns: a) Unique ignition ID b) Date of Ignition c) The column of the ignition of igniti	Please see attachment "WMP-Discovery2023-2025_DR_CalkAnocates_039- Q013A4n61 Jats." for a list of CPUC-reportable ignifions that occurred in 2023 where the closest support structure has an open corrective notification at the time of the ignifican event.	4/5/2024	8	Section 8.3 - Situational Awareness and Forecasting	8:3.4.1 Existing Ignition Detection Sensors and Systems

						Prease note the attachments to this response contain CONFIDENT PL Information provided pursuant to the accompanying confidentiality declaration.	1			
Pre-Discovery 75	CMPA	Set WMP-39	CaiPA_Set WMP-39	14 CalPA_Set WMP-30_014	a) Has PCAE's Asset Failure Analysis Team causally connected any ignitions that occurred in 2023 to assets with existing asset or vegetation corrective notifications at the time of ignition? b) if the ameries to part (a) a yea, please provide the following information for each such lightion: b) if the ameries to part (a) a yea, please provide the following information for each such lightion: ii. Cause(s) identified by the Asset Failure Analysis Team iv. The jipe of corrective notification that was linead to the ignificin (i.e., the priority level and whether it related to v. Copies of associated reports or investigations performed by the Asset Failure Analysis Team.	Part	4/5/2024	8	Section 8.3 - Situational Awareness and Futnessing	8.3.4.1 Existing lyntion Detection Servors and Systems
Pre-Discovery 76	CaPA	Set WMP-39	CalPA_Set WMP-39	15 CaiPA_Set WMP-39_Q15	On page 548 of PG&E's 2023-2025 WMF R4, January 8, 2024, PG&E stated that it was revising its field safety ressessment procedure (TD-8127-200) and repetited to publish the revised procedure by the end of 2023. a) place PG&E published the revised TD-8127-200 procedure. g) if the answer to part (a) is yes, please provide a copy of the updated version of TD-81279-200. d) if the answer to part (a) in published provide and published the revised TD-8128P-200 procedure.	Please nevel the attachment to this response contains CONFEDNTAL information provided pursuant to the accompaning confidentially declaration. a) Yea, PGSE published the revised TD-81239-009 procedure on December 29, 2023. b) Per the response TD-811117871_Classification_Conventive Action Corneglisation_Foliation. b) Per the response TD-811117871_Classification_Conventive Action_Conventive Action_Conventive Action_Conventive Action_Conventive Action_Conventive Action_Conventive Action_Conventive Action_Convention_Conventive Action_Convention_C	4/5/2024	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Tags
Pre-Discovery 77	CaiPA	Set WMP-39	CalPA_Set WMP-39	16 CalPA_Set WMP-39_Q16	In response to data request CAAProcetes-PGE-2023/MM-19 question 15, April 28, 2023, PGSE stated that it was actively analyzing the effectiveness of both covered conductor and base conduction of combination with EPSS and DCDPV, PGSE stated that it articipated completing this analysis in 2023. 19 Has PGSE completed the analysis instructioned above? 19 Has PGSE completed the analysis instructioned above? 10 If the answer boyar (a) is no, please explain the cidely. 10 If the answer boyar (a) is no, please stellar than PGSE correctly expects to complete this analysis.	a) No. The initial analysis has been drafted but is not yet complete. b) Not applicable. c) POSEE is still internally validating the results for quality review in preparation for the 88 694 to Year Undergrounding Plan. 88 694 to Year Undergrounding Plan. 98 694 to Year Undergrounding Plan. 994 to Plan Plan Plan Plan Plan Plan Plan Plan	4/5/2024	ACI 23-05 Updating Grid Hardening Decision Making	Grid Design and System Hardening	Various
Pre-Discovery 78	CaIPA	Set WMP-39	CalPA_Set WMP-39	17 CalPA_Set WMP-39_Q17	In response to data request Calchivocates-PGE-2023/MM-72 question 5, August 18, 2023, PGE4 stated that It expected to complete its Substation Arinal Abatement Efficiencess Study in partnership with Electric Power Research Institute by C1 of 2023. 19 Has PGE4 completed the Substation Arinal Abatement Efficiencess Study? b) If the areaser to part (a) is see, please provide a copy of any reports or other output from the Substation Arinal Of the Arinary of the Calchive	a) No, POSE has not yet completed the Substation Animal Abatement Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI). b) Not applicable.	4/5/2024	ACI 23-05 Updating Grid Hardening Decision Making	Grid Design and System Hardening	Other Technologies and Systems – Substation Animal Abatement
Pre-Discovery 79	CaIPA	Set WMP-39	CalPA_Set WMP-39	18 CalPA_Set WMP-39_Q18	In response to data request CAA/Avocates-PGE-2023MMP-27 question 6, Aquast 18, 2023, PGE4 stated that 11, was finalizing a study to bases the recorded reliability improvements at locations that have been undergranded and/or have been hardened with covered conductor. PGEE stated that it articipated completing this analysis in October of 2023. a) Hase PGEE completed the study mentioned above? b) If the answer to part (a) is yes, please provide a copy of any reports or other output from the study. c) If the answer to part (a) is no, please explain the delay. d) If the answer to part (a) is no, please steptian the delay.	a) No. The initial analysis has been drafted but is not yet complete. b) Not applicable. c) PGGE is still internally validating the results for quality review in preparation for the SS 864 10 Year Undergrounding Plan. SS 864 10 Year Undergrounding Plan. This analyse are the initiated at the lamb grounding plan, which is expected to the initiated at the lamb grounding plan, which is expected to the initiated at the lamb grounding plan given grounding plan grounding pl	4/5/2024	Appendix D	Appendix D – Areas for Continued Improvement	Appendix D ACI PG&E-2216 Progress and Updates on Undergrounding and Risk Prioritization
Pre-Discovery 80	CalPA	Set WMP-39	CalPA_Set WMP-39	19 CalPA_Set WMP-39_Q19	In response to data request CalAdvocates-PGE-2023WIMP-29 question 5, September 27, 2023, PG&E stated that it expected to publish its 2023 Electric Asset Management Plan by the end of 2023. 19 Har PG&E completed the 2023 Electric Asset Management Plan 2025 Electric Asset Management Plan by its PGE-2025 Electric Asset Management Plan. 19 If the answer to part (a) is yes, please provide a copy of the 2025 Electric Asset Management Plan. 19 If the answer to part (a) is no, please state when PG&E currently expects to publish the 2023 Electric Asset Management Plan.	a) PGEE is working on completing final updates to the 2020 Electric Asset Management Plan and tenditately sinks in solubilith this document in June 2024. PGEE will provide the completed obcurrent crose it is finalized and published. 1) The 2023 Electric Asset Management Plan has been reviewed and approved by PGEE isodership. However, the document is still gring through the technical wirdler formalling and possessing, along with the offer functional areas asset management plans. Electric Asset Management Plans asset management Plans in June 2025 Electric Asset Management Plans in June 2025.	4/5/2024	N/A	N/A	N/A
Pre-Discovery 80	CaiPA	Set WMP-39	CalPA_Set WMP-39	19REV CalPA_Set WMP-39_Q19REV	In response to data request CAAArocates-PCE-2023/MM-72 question 5, September 27, 2023, PC&E stated that it expected to publish in 2023 Electric Asset Management Plan? a) Has PC&E completed the 2023 Electric Asset Management Plan? b) The arraner by on t(a) is yet, pissess provide a copy of the 22D Electric Asset Management Plan? b) The arraner by on t(a) is yet, pisses provide a copy of the 22D Electric Asset Management Plan. d) If the arraner by on t(a) is no, piesse state when PC&E currently expects to publish the 2023 Electric Asset Management Plan.		6/14/2024	N/A	N/A	N/A
Pre-Discovery 81	CaiPA	Set WMP-39	CalPA_Set WMP-39	20 CalPA_Set WMP-39_Q20	In response to data request CAAdvocates-PGE-52029MMP-29 questions. 5, September 27, 2023. PGEs stated for Closoling: "We will evaluate the history or response to twe down conditions in the HFRAHFTD. counting during the traditional peak wildfer season of Detween) May 1 and November 1, going back to 2020. We can complete that analysis by December 31, 2023: a history of the property	a) POSEE has not yet completed its evaluation. POSE is currently evaluating outlages in High The First Asset (PFAL) High First exhibits (PFAL) areas with wire down conditions during peak widtle season between May 1 and November 1 at 185 time. 100 Host of the PFAL STATE (PFAL STATE ASSET	4/5/2024	ACI 23-19 Continued Progresion of Vegatation Management Maturity	Vegetation Management and Inspections	Fall-In Mitigation