				Question	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	Final Due		-	
Count	Party Name	Data Set	Data Request	No.	Question ID	Question Text In the review of PG&E's WDRM v3 by Energy & Environmental Economics, Inc. ("E3 Review"), the authors note:	Responses	Date	WMP Section	Category	Subcategory
1	CaIPA	Set WMP-07	CalPA_Set WMP-0	7 1	CalPA_Set WMP-07_Q1	There were also several referelments IP-GSE based data, now current to 2022-01-01, and inclusion of updated internally sourced memoricology distance. 3 as Plesses confirm that no asset data collected affer January 1, 2022 was used in the WIRMS of plesses peoply the date(s) on 19 fassed data of closed affer January 1, 2022 was used no PEGSE WIRMS of plesses specify the date(s) on 0.9 fasses ordined that "any and the plesses of the plesses data." In parts a) and b) is geospatial (GIS) data from the operational system of record. If not, plesses data the rough of the asset data.	a All distribution asset data utilized in the Wildfre Distribution Risk Model (WDRM) v3 were extracted from PG&E's BGDGGS systems consumy 1, 2022, with the exception of the transformer data which was outracted from EDGS on February 2, 2022. Size extraver by 2, 2022. c) See arrower or part a.	3/30/2023	6.2	Risk Methodology and Assessment	Risk Analysis Framework
2	CalPA	Set WMP-07	CalPA_Set WMP-0	7 2	CalPA_Set WMP-07_Q2	Page 1.5 of the E3 Review includes a list of components included in the WDRM v3.4 a) Please confirm the date that the WDRM view familized. b) If the final list of components is different than with a Island in the E3 review, please provide an updated and accounte list of components that are used as inputs in PGSE's WDRM v3.4) For any inputs included in your response to Question 2(b) that of on Open page 76 pile of the E3 review, please provide the laised date on which each input was updated. d) if any dates given in response to Question 2(b) and offiltered from lines given in question (10), please explain with give and offirents.	a) The Wildlife Distribution Risk Model (WDRM) of west finalized by approval at the Wildlife Risk Governance Sterring Committee (WIRGSC) and part 1, 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- modes listed in Figure 5 Sub-model Preford Performance Measures on page 21 of the 63 Review document. Not application, please see response to 26.	3/30/2023	6.2	Risk Methodology and Assessment	Risk Analysis Framework
3	CalPA	Set WMP-07	CalPA_Set WMP-0	7 3	CalPA_Set WMP-07_Q3	a) Please confirm the date that the WRDM v4 was finalized. If it has not been finalized, please provide an estimated/date on which it will be finalized. I Please provide a current list of components that are used as inputs in v4 of the WDRM model. I) Please state the date of PGSE asset data used in v4 of the WDRM model. If there are multiple date, include the most recent date for any asset data used in the model was collected. If Please confirm that "asset data" in part o) is geospatial (GIS) data from the operational system of record. Find, please state the origin(s) of the asset of the please state the origin(s) of the asset data.	a) The Wildlire Distribution Risk Model (WDRM) vi has not been finalized. Model review and approval is scheduled for QZ 2023. b) The list of equipment components in the WDRM vi has not been finalized at this time. c) The asset data for the WDRM vi was extracted from PGRE's EDGR on January 1, 2023. d) Piesses are the response to St.	3/30/2023	6.2	Risk Methodology and Assessment	Risk Analysis Framework
4	MGRA	Data Request No. 1	MGRA_Data Reque No. 1	st 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 Reque No. 1	1 SUPP	MGRA_Data Request No. 1_Q1 SUPP	Please provide for Asset Point data for Camera, Fuse, Support Structure, and Weather Station.	In response to this request, PG&E is providing Camera and Weather Station data, as delivered in the Q4 2022 CEIS GIS Data Standard Submission. PG&E is also providing non-confidential data from the Support Structure feather 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 Reque No. 1	at 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 Reque No. 1	t 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 C	4/13/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
6	MGRA	Data Request No. 1	MGRA_Data Reque No. 1	at 3	MGRA_Data Request No. 1_Q3	Provide PSPS Event data. Include Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide all PSPS Event Asset Damage data including phoba	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 Reque No. 1	3 SUPP	MGRA_Data Request No. 1_Q3 SUPP	Provide PSPS Event data. Include Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide all PSPS Event Asset Damage data including Photos	In response to this request, PG&E is unable to provide PSPS Event data, PSPS Event Damages data, and PSPS Damage photos since there were no PSPS Events that took place throughout 2022	4/13/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
7	MGRA	Data Request No. 1	MGRA_Data Reque No. 1	st 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 Reque No. 1	at 4 SUPP	MGRA_Data Request No. 1_Q4 SUPP	Provide Risk Event Point data, Including Wire Down, Ignillon, 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, 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 Reque	st 5	MGRA_Data Request No. 1_Q5	Provide photo data for Risk Events.	PGSE does not have any non-confidential or non-privileged data to provide in response to his 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 onegoing 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 Reque	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 altomey. Zienet privilege or the work product doctrine and may be subject to an ongoing. 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 Reque	it 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 recomme to this request, FOSE is providing non-confidential data for the System Hardening, Butta County Rebuild, and 10K Undergroundy MMP initiative programs that were included in the Crist Hardening, Dire feature classes and related table. Additional initiative projects reported in these feature classes include 54th on the Post Post Post Post Post Post Post Post	4/10/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
9	MGRA	Data Request No. 1	MGRA_Data Reque	it 6 SUPP	MGRA_Data Request No. 1_06 SUPP	Under Initiatives, please provide Grid Hardening data, including Hardening Log, Hardening Point, and Hardening Line data. Inspection data is not requested at this time.	In recomme to this request. FOSE is providing non-confidential data for the System Hardmann, Bullis County Rebuild, and 10K Undergroundy MMP initiative programs that were included in the Crist Hardmann (pp. Grist Hardmann) Point, and Grid Hardmann is entained to the Additional initiative projects reported in these feature classes includes data on where FOSE the representative, such deplacements, usuge arrester product of the confidence of the confidence of the Crist County of the C	4/13/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
10	MGRA	Data Request No. 1	MGRA_Data Reque	rt 7	MGRA_Data Request No. 1_Q7	Under Initiatives, please provide Other Initiative data for point, line, polygon features and the Other Initiative Log.	Integrates to the request, POEE is providing WIMP initiative program data for the Vitable Salos Institution and Optimization and Coptimization and Coptimiza	4/10/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
10	MGRA	Data Request No. 1	MGRA_Data Reque No. 1	t 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, FCBE is providing VMLP initiative program data for he Weather Station institution and Opinizazion and Camera institution that were included in the Other Mistiller Log and Other Initiative Provinced table and feature class. Additional VMLP initiative projects reported in this feature class and related table includes data on where PCBEL the Search relatative class and Early Fault Declarion. EVER Shealthly improvements and Early Fault Declarion Search Search Very Search Search Search Very Search Search Very Search	4/13/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
11	MGRA	Data Request No. 1	MGRA_Data Reque	at 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 Reque	8 SUPP	MGRA_Data Request No. 1_Q8 SUPP	Under Other Required Data, please provide Red Flag Warning Day polygon data.	PG&E is providing the Red Flag Warning Day polygon data, as requested by MGRA.	4/13/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
12	MGRA	Data Request No. 1	MGRA_Data Reque	st 9	MGRA_Data Request No. 1_Q9	Please provide a layer indicating calculated circuit-level risk using the methodology presented in the WMP	The method described in the 2023 WMP to aggregate model results is conducted to produce a circuit segment level trisk value. Nower, the geospatial representation of circuit segments that value be provided in represent to this data required thrower be individually required involves the identification of CEI, which we are required by two to maintain as confidential and cannot produce without the requesting party agreeing to protect the information through a non-disclosure accessment.	4/10/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
12	MGRA	Data Request No. 1	MGRA_Data Reque	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 hele risk value. However, the geospatial representation of circuit segments 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 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	CalPA_Set WMP-05_Q1	PCAE's WMP states: The EVM Program concluded at the end of 2022. PCAE will continue to strengthen our other existing VM programs. PCAE is transitioning the maintenance of enhances that were achieved in EVM to Poutine W parts of the existing explanation projects of a PCAE city intends to maintain existing enhanced desirances, please explain why.	a) 1) PGSE is extending the minimum clearance recommendations of 12 feet in HFTD (per G.O. 56 Rule 35, Appendix E) to 12 feet within HFTD, 27 three is an articipated increase of the removal vs times as it is the first course of action provided to account for the removal vs times as it is the first course of action provided to account for increased minors, 3.7 three are fighter controls through report and monitoring of each completed in the removal of the removal vs times are sufficient to the removal of the rem	4/5/2023	82228	Vegetation Management and Inspections	Discontinued Programs
14	CSPA	Set WMP-08	CalPA_Set WMP-08	2	CalPA_Set WMP-08_Q2	Regarding the new "Tree Removal Inventory Program" described in section 8.2.2.2.4 of PG&E is WMP, PG&E statistics. This is a new transitional program for 2023 stamming 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 leves at the end of 2022. Under the Tree Removal whereopy program, we remove or the impact trees. Based on this on-point in empection and evaluation work, we will develop annual risk-rained work plans and miligable the highest disk-rained contral segments or CPSE risk. We plan to address all trees in the inventory in a multi-year program. Si presses regions the plans the state of the extreme plans the program of the program o	In For this program he use of Transitional represents the program transition from EMN to or next The Investigate Program, which will boson an working down the risk associated will the Termaining 285th. These units were idented under EVM guidelines and will be over a period of time based on resolution of constraints or other factors that histories of a second of a second of the EVM program. The program, Yeopana, Weight and the event of a second of the EVM program. The new programs, Vegetation for Operations Mitigations (MXOM) and Focus Tree Inspections (FTI) will identify here less fifth as ord over identified in this investory, Additionally, if any priority trees are discovered while completing the TRI scope of work, they would be sufficient to the event of the EVM program. The program is the program in the program of the event of the EVM program is 10.1 For VXOM. PCSEL willised VM INFES-emission and program is the program of the event of the event of the EVM program of the event of the event of the EVM program of the event of the eve	4/5/2023	82224	Vegetation Management and Inspections	Tree Removal Inventory
15	CaPA	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 PGSE's WMP, PGSE states. This is a new transitional program for 2023 stemming from the conclusion of the EVM program. This program is vegetation contacts based on historic vegetation cottages on EPSS-emabled circuits. PGSE will initially focus or vegetation contacts based on historic vegetation cottages on EPSS-emabled circuits. PGSE will initially focus or will be developed by using PESS and historic votages dated and vegetation failure from the WCRSH v5 risk model. EDSS-emabled vegetation contacts in CPS, and that vegetation failure from the WCRSH v5 risk model. EDSS-emabled vegetation contacts in CPS and the vegetation subject on the PGSE vegetation of SPSE vegetation value is meant by the sentence "PSS-emabled devices vegetation outages selected condition impactions may generate additional term event." In the program (2) when with PGSE develop intelled the program (2) when with PGSE develop intelled vegetation outages selected of condition impactions may present additional term of the program (2) when with PGSE develop in the scope of which for the program. I) Please explain how PGSE will use EPSS data to contribute to the except of work for the program. I) Please explain how PGSE will use EPSS data to contribute to the except of work for the program. If the PGSE vegetation is use "supported failure from the WCRSH v5 fails model" to contribute to the scope of work for the program.	a) Our widtler mitigation capabilities have continued to evolve and mature since 2010. With the conclusion of Enhanced Vegetion Management (EM) at the end of 2022, we continue to evice our Vegetation Management program. The tase of transitionar of the Vegetation Management program flowaged in the responsibility of the Post of t	4/5/2023	82223	Vegetation Management and Inspections	VM for Operational Mitigations
16	CaPA	Set WMP-08	CalPA_Set WMP-08	4	CalPA_Set WMP-08_04	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 stemming from the conclusion of the EVM program. PC&E is a vegetation damage during PCSS events, outlages, and/or (grifton. We have conducted a county-by-county reds with regions SSIAs and used this information to develop projects where focused and event in the construction of the expectation (as the conducted a county-by-county reds). a) Piesse explain what it meant by the word "transitional" in the first settlence. b) Does "ACOs" stand for "Areas of Cornour" in this instance. Pfor, there places define in sections. a) Piesse explain what is meant by the word "transitional" in the first settlence. b) Does "ACOs" stand for "Areas of Cornour" in this instance "Prof. them places define it. c) Piesse describe PC&Es methodology for developing the abovementioned ploggers. d) How does PC&E determine which country or counties to execute a pilot or pilots? f) How will PC&E determine which country or counties to execute a pilot or pilots? g) Please describe the following aspects of the pilot or pilots. b) Cools and objectives v). Success method following regarding the guidelines that PC&E will develop based on the pilot(s), as mentioned above. i. The expected first this publications in the profile of the pilot or pilots or the pilot or pilots. b) Please describe the fallowing regarding the guidelines that PC&E will develop based on the pilot(s), as mentioned above. i. The expected first the state of the PC&E expects a "focused fee inspection" to the two inspections previously performed as part of PC&E expects and profile and critical and critical and critical will PC&E use to determine whether a two passess or fails a "Council the first place of the profile of the pro	b) The Wildlife Data Risk Model (VIDRIM) of was utilized by plicitude of DPTs of the VMXM programs. The Video of the VIDRIM program	4/9/2023	82225	Vegetation Management and Inspections	Focused Tree Inspections
17	CaPA	Set WMP-08	CalPA_Set WMP-08	5	CaIPA_Set WMP-08_Q5	PCAE states on p. 539 of its WAIP: PCAE is restructuring our VM Program starting in 2023. Based on recent data and analysis, the risk reduction of the EVAI Program is less than the risk reduction from the EPSS program that was introduced in 2021 8 a) Please describe the abovementioned "data and analysis" that shows that the risk reduction of the EPAM program is less than the risk reduction from the EPSS program. It is that the risk reduction from the EPSS program. It is also that the risk reduction than the EPSS program. It is also that the risk reduction to the EPSS program that was reduction of the EPM reduction to the reduction of the EPM reduction to the reduction of the EPM reduction to the reduction of the EPM reduction	In PASE Intendence the companion of risk reduction and final Speed Efficiency (RES) of ETRS up (NA in the 2002 WWW Pase 2022 GROS Supplemental Filing in February 2002. The companion is described in the 2023 GRC, 1975 St.	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? (e) Which particular risks will pvD miligate that PGEE previously sought to miligate with EVM? (f) Please provide any available documentation and analyses showing that DCD will help to miligate risks that PGEE previously sought to miligate with EVM?	a) Yes. "DIV refers to Partial Voltage Detection." b) Yes. "DIO" refers to Downed Conductor Detection. c) Partial Voltage Detection (and subsequent force duts of the nearest upstream SCADA capable device) are part of a "defense in degrid Intelligent to Subsequent force duts of the nearest upstream SCADA capable device) are part of a "defense in degrid Intelligent through the State of the State of the State of St	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 of the programs		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 PGEE's WMP. PGEE'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 PGEE intends to discontinue the PGEE intends to discontinue the Seed of the Montago Group 2 miligations are deployed or new technologies are implemented. 1) Proc Clearing Program 2) Using Ordenhold Space Program 3) Wood Management 9) Substation Deferentials Space 10) Substation Deferentials Space 10) Substation Deferentials Space 10) Transmission Integrated VM 1) Temmegron (PResporte VM	At this time PCAE does not intend to discontinue any of the programsfulfailities listed in Group 2 miligation. The programsfulfailities 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 widther insik that cannot be managed through our control programs prepring the implementation of System Retirece miligations. In the future, for programsfulfailities that deceed 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 investory 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) Yea, the CRX Year come from the groups of approximately 385K EVAI trees ensurining. We plan to work down the first ensorated with the SRX Year sating with 154 trees in 2020, 280K trees in 2020, and 256 trees in 2025, which results in 60K free being worked through 2025. Shift results in 60K free being worked through 2025 in 150K trees the property of the second trees of the second property of the second prop	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 AGD cross-functional team to implement guidelines across all AGC." Of AGE plans to "Fully implement and program to accommodate to a commodate the program to accommodate the program to be the fully developed, how with PGAE alsess the risk of these fails reducing the period from 2005-2005.	PGSE will continue to assess the risk of tree fail-ins during the period from 2023-2025 through the Distribution Routine and Second Patriol organism accordingly. The identification of hardroad or other energetary priority tees is embedded from all Vill tree starting and migration, as well as the resulting such varification and quality programs. An extension of the properties of the prope	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. PGER will collect UDAR data on all overhead Transmission circuit mittels. 1) The difference between LIDAR Transmission inspections mapped on ETGIS and our LIDAR vendor's data is due laugely be parallel critical and some generally difference; seles are confirmed against circuit location and length from language to parallel critical selections and selection of the confirmed against circuit location and length from indicates their completed miles on 100% of PGEE Transmission circuit miles, we use the ETGIS miles. PGEE confirmes to use ETGIS miles. PGEE	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 (Routline Distribution, Routline 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%	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	CuPA_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 been or place to table to improve the Distribution VM audit results pass so the program of the p	a) Improved quality verticals have been established for 2023, allowing for greater insight into overall VM work product throughput and risk identification/imligation. Clear definitions of acceptance criteria, sampling methodology, projudion eligibility, and provided the product of the control of the co	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 deadliftying two will within 500 patric PTD areas and within 305 days for ron-HFTD areas. 3) What specified peeps, actions, or measures are included in the plan robed in the quote above. In other words, and within 305 days for IFTD areas and within 305 days for IFTD areas. 1) What specified described the second of the plan robed in the plan robed within the abled transferance of the plan in FGEE described the second of the plan in FGEE described the second of the plan in FGEE described the second of the plan in Completing deadlifying complete the plan in Completing deadlifying the work within 180 days in HFTD areas for its Distribution Routline Patric (section 3.2.2.1)? (3) If the answer to part (c) is no, please explain with yroci.	a) To ensure that deadlidings have work is completed with 100 days in HETD and 105 days in non-HETD IR DEEL VIA has developed an process to report out in history Densiting Reviews and Weekly Operating reviews at multiple functional telesis including VIA independent and VIA execution - the status of dead and dying trees and her timelines status. This measure ensures visibility and accountability at the regional levels. In the first indexines to complete deadlings from the stated timeframes in HFTD and non-HFTD in disks. Sec. cache of the complete deadlings from the complete deadlings	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 issue confline by revened PGEE from sterilor (30 percent defensible space completion status at locations where substation defensible space zones cleared into privately owned properly." 3) Where substation defensible space cares sederal into privately conned properly. PGEET spaces for completing defensible space inspections? 9) What actions Gen PGEE plan to bed unity the 2023-2025 WMP period to address landware related issues in order to achieve the highest possible defensible space compeliors status.	a) When defensible space zones extend orno private property, outreach to such landowners is made in advance to obtain permission to enter and conduct largeosition. If access is denied and found to be without applicable examents, other interest of rights or valid entiry generation, the properties of vehicular policiable examents, other interest original control properties of the property not owned by the Company. 3) Annual defensible space inspections of severe as an opportunity to be engage prior releast inflowers. Changes of ownership, changes in landowner opinion, new local agency defensible space ordinances or code often support reversal in status.	4/5/2023	8.2.2.3.1	Vegetation Management and Inspections	Defensible Space Inspection

											-
28	CaPA	Set WMP-08	CaliPA_Set WMP-	is 16	CalPA_Set WMP-08_Q16	Regarding "Wood and Slash Management" described in section 8.2.3.2 of PG&E's WMP-PG&E states. "Chips are left on site or removed off site based on conner preferences." PG&E further states that "Wood Management is a volutilary grough in which properly owners must opt in to participate." b) low does PG&E record landower options to the volutile program? (c) How does PG&E record landower options to the Vood Management program? (d) Once a landower opt bin the Wood Management program? (e) Once a landower opt to the Wood Management program? (ii) Once a landower opt to the Wood Management program; how quickly does the program become effective? (ii) Now does PG&E inform VIX contractors of the landower's Wood Management preference? (iii) Does the Wood Management opt in remain valid indefinities or must landowers are serve their preferences on a regular base? (iii) Index of the process for receiving, recording, and responding to such complaints?	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-	17	CalPA_Set WMP-68_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." b) If the answer to part (a) is yes, when does PG&E expect to complete development of such standards? (c) if 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 straylars will indicate vegetation caused outspay that the program as peering data in available, the straylars will indicate vegetation caused outspay that the program are peering outspace. The experience and findings during execution of these plots may inform development of program specific guidance that relates to regional high-risk species. PGSE will be required the program as the suited to incorporate peers as peering undaged one bits arriving that the program are been suited to incorporate peers appearing under one bits arrivinghed by Development of any standards related to high-risk species is still being determined and contingent upon completion of FTI pilot in 2023. A determination will be made specific to that program as its guidance is formatized following be pilots.	4/5/2023	823.6	Vegetation Management and Inspections	High-Risk Species
30	CalPA	Set WMP-08	CalPA_Set WMP-	18	CalPA_Set WMP-08_Q18	PG&E's WMP states, in Table 8-18-3, VM Field QC Metrics Report, that pass rates are "not a WMP target" for 2023-2025. Please explain why PG&E has not set target pass rates for VM Field QC for 2023-2025.	The Quality Management team has aligned on setting 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	СаРА	Sed WMP-08	CalPA_Set WMP-	19	CalPA_Set WMP-08_Q19	Table 8-19, Priority l'Priority 2 and Second Patrd Trees Calegorized By Age, shows 296 priority 1 or 2 trees that were inspected more than 190 days prior to February 28, 2023. Pelaise provide a table with the following additional information for these 296 trees: Pelaise provide a table with the following additional information for these 296 trees: 1) The year of the most recent inspection. 2) The HETD introduction of the Patrick P	The data for the 206 P-IP2/Second Patrol rives can be found on YMMP Discovery2023_DR_CalAdvocates_006- For the 3 Priority 2 Priority 2 Trees out of the set of 206, please refer to tab P.2 Data: a please sex Periority in Column for the 17-20th for the age in places increase places and priority in Column for the 17-20th for the age in places sex Priority 1 Condition, the 14 vegetation is destinated to be an immediate has to PACE ballises, described as a Priority 1 Condition, the 14 vegetation is destinated to be an impediate risk to PACE ballises, described as a Priority 1 Condition, the 14 vegetation is destinated to be an impediated as to PACE ballises, described as a Priority 1 Condition, the 14 vegetation is destinated as periority priority 2 vegetation is destinated as periority priority 2 vegetation is destinated as periority 1 Condition, the 14 vegetation is destinated as periority priority 2 vegetation is destinated as periority 2 vegetation is vegetation is 2 vegetation in 2 vegetation in 2 vegetation is 2 vegetation in 2	4/5/2023	82.6	Vegetation Management and Inspections	Open Work Orders
32	CaPA	Set WMP-09	CalPA_Set WMP-	1	CalPA_Set WMP-09_Q1	P. 10 of PGAE's WARP states. "We have completed certain programs and removed some less impactful targets from the 2022 WARP" as) Please little "miss impactful" targets that were removed from the 2023 WARP. b) For each target in part (a), please explain how PGAE 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, "tecreased temperatures can cause electric equipment to age more quickly which will bronses 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. 19 Pleases quantify the deather but had reflection would improve the identified to system? 19 Pleases quantify the deather but him PGAE disreption 4 detection will improve be part (a) and (b). The period of 2023, how much have PGAE strongless Al detection will improve be parts (a) and (b). The period of 2023, how much have PGAE strongless Alexander Fire Detection from Wildfree Alert Cameras; program? 1 Now much does PGAE forecast spending 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 extra continuously more than 6 the 6 the 2022 and provide allert the careants satellated in PCSE service terminary and provide allerts to both continuously more than 6 the 2022 and provide allerts to both the 2022 and provide allerts and provide and provide allerts and provide an	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 (1) in the Combination of the components results in solid MAVF Risks (1) in the Combination of 10th PGGES PSPS data and 10th US PGGES PSPS (1) in this could not provide the policy of the Combination of 10th PGGES PSPS (1) in the Couldment Minuslee thereigned (CMI). Deletion of 10th PGGES PSPS (1) in the Couldment Minuslee thereigned (CMI). Deletion of 10th PGGES PSPS (1) in the Couldment Minuslee (1) in the Coul	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 picture and both." The structure of the structure? Peesse explain your for this potential difference in 16 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 100 x 100 m pulse that interested PGES conhead electrical instantucture locations and that are in the upper 200p percentile based on WDRM x/1 six scores." a) by "upper 200 m percentile," does PGEE mees the 30th through 100n percentiles, as percentiles are only the percentiles are percentiles are upper as delivery to the percentiles are percentiles are percentiled and the percentiles are set to the percentiles are percentiled and the percentiles are the percentiled and the percentile as the percentile are the percentiled and the percentiled as the percentiled and the percentiled as the	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 index model for tree 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-specific 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 regulat	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 differences, by 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 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 as Second Pathed in second Pathed are perception in the guidance requirements and/or PASE 501 Second Pathed in both term in effect as Second Pathed in perception in the guidance requirements and/or PASE 501 Second Pathed in the Pathed Pathed In the perception and additional areas are included to approximately address in monitor district finals. In the primagely no page 267, the term Records Pathed 1 second pathed size of the pathed to approximately address and pathed in the perception and additional areas are included to approximately address and pathed in the pathed	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 site of the state of the state of the July 2022 amounter to the July 2022 amounter to part (a) of the amounter to part (a) in policy per partitions to your answer to part (a) of the amounter to part (a) in policy performancy studies or analyses during the 2023-2023 WMP period to determine whether 10,000 circum time is sail the appropriate scope to large the confidence of the July 2022 amounter to part (d) is no, please explain why not	a) Year POSEC determined that underigrounding approximately 10,000 miles will reduce approximately 70 percent of the first in the HFTD. Workflow Position 2 for first in the HFTD. WORKflow Position 2 for first identify the 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. We have subsequently with the position of the WORKflow Position 2000 miles will be presented that the position on the WORKflow 2 maybris. Based on the WORKflow 2 miles represented by 27 cell cast segments. Stores on its KTXPADUTA to a consultative overhead miles are approximately 50 miles of the WORKflow 2 miles are presented by 2000 miles with the store of the WORKflow 2 miles with the store of the WORKflow 2 miles with the store of the WORKflow 2 miles with the store of the WORKflow 3 miles with will contribute to current with the store of 2500 films with the store in the store of 2500 films with the spins to support (s) of the store of 2500 films with the spins to support (s) of the store of 2500 films with the spins to support (s) of the store of 2500 films with the spins to support (s) of the store of 2500 films with the spins to support (s) of the store of 2500 films with the spins to support (s) of the store of 2500 films with the spins to support (s) of the store of 2500 films with the s	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-30 percent circuit segments based on the 2002 WIDPG-30 percent circuit segments based on the 2002 Provide an Excel battle of the WFE-rareked courts segments based on the 2002 WIDPG-30 percent provide the following attributes as columns: Foreign Forei	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 WMS 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 Poccast reduction in the number of EPSS event incera reduction in the number of EPSS events described as a possible of the number of EPSS events aroundly in 2025-2025. 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 Savers on the rights impacted protective zones to reduce the FFFA. Install additional time Recidence (EU) and the EPSS are setting to the EPSS program FFGAE will show that the proper of the EPSS program FFGAE will show understate reliability miligations intended to reduce outage research to proper of the EPSS program FFGAE will show understate reliability miligations intended to reduce outage research to 2022. This will include proactive regulation management work incremental to existing vegetation remarked protection zones (CPSS and repetition management work incremental to existing vegetation management toops on CPSS and experienced research based on excluded vegetation caused outages. Animal miligation work will sto be performed on CPSS that operienced axion or other animal contains in 2022. b) With only one year of EPSS protection performance to review, we made a conservative estimate of the reliability complete animal contains the contains of t	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 Sarta 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 patient 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 PA	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 WMPs states, "by the end of 2022, we responded to 80 percent of outlages on EPSS-enabled lines within 60 milkers, responding 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 resonorse 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 everage within 42 minutes." For the 11 percent of outages (roted in this spot	TRZE PESS CUTTAGE RESPONSES ANTERAGE RESPONSES THE FOR RESPONSES > 60 MINUTES LONGEST RESPONSE TIME 95 Minutes	4/10/2023	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
57	CMPA	Set WMP-10	CalP	A_Set WMP-10	10	CalPA_Set WMP-10_010	P. 441 of PG&E's WMP states, "We plan to implement a QA [quality assurance] program for systems inspections: a) Please discuss the progress PG&E has made so for in implementing QA program for systems inspections. of Please describe the main features of the QA program that PG&E plans to implement, d) What are the probable limitations of the QA program that PG&E plans to implement?	Note: Table values reflect available data since EPSS Odage Response time taxing began. The limitariane for placking in 2022 was May 23, 2022—Desember 31, 2022. 3) The function that has been interiorally referred to as "quality verification" is not at component of the QA program for eystems respection and will be referred to as "AC" after that "OV" moving floward. We have made significant progress on this work and the program has been implemented. (A) Committee of the program has been on the program has been on committee the implemented. (A) Committee of the program has been on the program continues, efforts will be below for procadely ident).	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. 44 of PC&E's WMP states, "We plain to update existing QV (quality verification) procedures for systems inspections." a) Please discuss the progress PC&E has made so far in updating existing QV procedures for systems inspections. b) When does PC&E expect to complete its updates to existing QV procedures for systems inspections? c) Please describe how the planear loadses will improve PCAEE existing QV procedures.	a) The quality learn is currently undergoing a thorough 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 quarter of 2023. c) The planned updates improve upon PG&E's existing QV procedures by accurately reflecting the QV role in the holistic systems respection throughput.	4/10/2023	8.1.6.1	Quality Assurance and Quality Control	Quality Assurance
59	СыРА	Set WMP-10	CalP.	A_Set WMP-10	12	CalPA_Set WMP-10_012	P. 450 of PCAST's WMP states. "Along willh reducing wildfire risk related to backlog lyption risk-lags in HTTDHFRA, may EC notifications identified after January 1st, 2023 HTTDHFRA girtion risk tags will be completed in compliance with CoS of the 18 fluenties, bursty general factor." a) What external factors does PCAST and copate may prevent if non completing HTTDHFRA/spiston risk tags in compliance with CoS Rules 18 fluenties (Line) and the PCAST pain to mitigate the effect the external factor range have "a support to the position of the position of the position risk tags in compliance with COS 5fruit 18 timelines for those lignifican risk tags located outside the HTTDHFRA? Please explain your answer.	If years ree in jungle tour to or zero. First restor terms to tende to account to common service in the contract registers in a country of the contract registers in a country of the coun	4/10/2023	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
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 states, "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 or arrett 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.	the FSR can lead to a downgrade in lag priorities. For example, If the lag galakeeper disagrees with an inspector- recommended exclusions or cancellation, the galakeeper can longuage the lag in partie han cancel or escalate it. PGSE conflues to assess its practices and procedures on FSRs and evaluate what alternatives are provided to inspectors and lag galakeepers. b) FSRS do not extend a notification's required end date beyond GO SP rule 18 finelines. PGSE's current execution of CP. contilications does not meet GO SP 6the 18 compliance 100% of the time. FSRs are internal continument activity	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 beload switch the number of open distribution win criteria safetyrized per large in the rev. age. Table 1 beload switch the number of open distribution win criteria safetyrized per large in the rev. age. Table 1 beload switch 1, 2023. Table 1 - Open Distribution Work Orders by HFTD Tier. 2000 Buffer 2000	4/10/2023	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
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 unside 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. b) What Spec of problems of thate in droin inspections can the inherent OC process independent of the problems of the	a) There is a 100% review of all inspections that are part of the inspection process. The inspector completes the inspection and a spot check is performed for commonly missed items. b) Spot checks are performed for the commonly missed items that poentially caused a fire or ignition. c) The five most common problems identified in the CC process are: C-hooks, insulators, cotter pins, shoe issues, and structural issues. d) We have not identified any limitations of the CC 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 assigns an high profit to undergrounding und does not demonstrate adequate weight to rosk model enought or easily as a second or content to the recision of the RSEs (either at a scance) and a second process and the RSEs (either at a scance) are content to the RSEs (either at a scance) and a scance level or more aggregated level by or undergrounding compared to the RSEs (selfer at a scance) and the recision of the RSEs (either at a scance) and the recision of the RSEs (either at a scance) and the recision of the RSEs (either at a scance) and the recision of the RSEs (either at a recision of the RSEs) and the RSEs (either at a recision of the RSEs (either at a recision of the RSEs) and the RSEs (either at a recision of the RSEs) and the RSEs (either at a recision of the RSEs) and the RSEs (either at a recision of the RSEs) and the RSEs (either at a recision of the RSEs) and the RSEs (either at a recision of the RSEs) and the RSEs (either at a recision of the RSEs) and the RSEs (either at a recision of the RSEs (either at a recision of the RSEs) and the RSEs (either at a recision of the RSEs) and the RSEs (either at a recision of the RSEs (either at a recision of the RSEs) and the RSEs (either at a recision of the RSEs (either at a recision of the RSEs) and the RSEs (either at a recision of the RSEs (ei	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, or 10 the proporation to the inspection programs stated to bellow the American National Standards Institute (ANSI) And Determined the Company of the Compa	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 Tibo 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 confidenting the Pocessed The Impactions pilot? If PG&E has not yet begun its pilot, where will PG&E be confidenting the Pocessed The Impactions pilot? If PG&E has not yet begun its pilot, where will PG&E be confidenting the Pocessed The Impactions pilot? If PG&E has not yet begun its pilot, where will PG&E be confidentially the PGAE has provided the L. The Weighted Plank Som PG&E's most recent version of its CMI Tree-Weighted Prioritization List. B. The Weighted Plank Som PG&E's most recent version of its CMI Tree-Weighted Prioritization List. B. The Weighted Plank Som PG&E's most recent version of its CMI Tree-Weighted Prioritization List. B. The Weighted Plank Som PG&E's most recent version of its CMI Tree-Weighted Prioritization List. B. The Weighted Plank Som PG&E's and prioritize pilots (1) (page 529). As the PGAE PGAE Asset of Concern (ACC), 1 and "polygons wide concerd vegetation inspection can be evaluated to determine appropriate counter	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 vegetation 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 vegetation in represent on the evaluated to determine appropriate counties to prioritize pilote(s)" (page S29). Level of the prioritize pilote (and the propriet on the propriet on the prioritize pilote(s)" (page S29). Level of the prioritize pilote (and the propriet on the propriet on the prioritize described (and the prioritize pilote) (and the prioritize pilote(s)")		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 the EVM program of the Should be 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 Tata ABATE are to be re-assessed by a Tate Result of the Tata ABATE are to be the re-assessed by a Terre Resk Assessment Callidation (TRAI) impacts to determine I abstement is appropriate. The happetion will be Tata Abated and the ABATE are to be re-assessed by a Tate Result of the ABATE are to the Result of the Tata Abated and the ABATE are to the ABATE are the ABATE ABA	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 fee Removed invertive program; a remarked the EVM program? Routinn-Second Patrol. VM for Operational Mitigations, and Footweet Tee 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 prigness or oppose. I. Infinity on PFIC 4291 defemble space clearance. II. Implied watercourse and charges. V. Coditiot vith properly 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 competition of our work on their 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 posses a pointed safety hards 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 Enhanced 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 appars is also 12 feet. Routine maintenance of all other spans is 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, because, 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_Q7	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: *WMP-Discovery2023_DR_OEIS_001-0007Asch01.pdf *WIND-Discovery2023_DR_OEIS_001-0007Asch04CONF.pdf *WMP-Discovery2023_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_06	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 VMMP-Discovery2022_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 despits the interaction among different models are required. Under the provided of the	4/24/2023	6.1.2	Risk Methodology and Assessment	Summary of Risk Models
π	OEIS	001	OEIS_001	9	OEIS_001_Q9	Regarding Portfolio Level Risk Analysis and Risk Spend Efficiency a. Provide an example of how risks are aggregated to a portfolio, and if and how interdependencies between the risks are explicitly explured in the portfolio Reappose should be provided in Excel. Also include the level of organization for the portfolio (e.g., assistance) and a second of the portfolio (e.g., assistance) and explicitly an example. It is a second of the provided of the second of the provided in Excel. As provided an example using the bowled charter SWMP submission (see examples present in Appendix B)? If so, provide an example using the bowled or provided in Excel. If Provide are assimple of how risk eyen's efficiency (PCE) deals with relevance containing an explicit provided in Excel. It is a provided in Excel. If so, provided an example risks, and multially exclusive the IRSE calculated for both average and tail? If so, provide an example. Response should be provided in Excel.	All States on the Wilder Distribution Flat Model which is based on cloud segments, citud segments are suggregated to the enterprise wilder eits enter bot to calculate militage no regard segments. The segments are suggregated to the enterprise wilder eits enter (LoRE) near consequence of risk event (LoRE) and consequence of risk event (LoRE) and consequence of risk event (LoRE) near consequence or consequence. Or the enterprise risk assessment process are dropwered as probabilistic or short or consequence. Or the enterprise risk assessment process are dropwered as probabilistic or like the consequence. Or the enterprise risk assessment process are dropwered as probabilistic or like the consequence. Or the enterprise risk assessment process are dropwered as probabilistic or like the consequence. Or the enterprise risk assessment process are dropwered as probabilistic or like the consequence. Or the probability distributions that feed into the bowler analysis, and its odputs are shown in YMMP—Discover/2023 (DRCE) 06.1-0.00044072 size risk event on YMMP—Discover/2023 (DRCE) 06.1-0.00044072 size reference in the probability distributions that feed into the bowler analysis, and its odputs are shown in YMMP—Discover/2023 (DRCE) 06.1-0.00044073 size reference in the probability distributions that feed into the bowler analysis, and its odputs are shown in YMMP—Discover/2023 (DRCE) 06.1-0.00044073 size reference in the probability distributions that feed into the bowler analysis, and its odputs are shown in YMMP—Discover/2023 (DRCE) 06.1-0.00044073 size reference in the distribution of the reference in size of the probability of	4/10/2023	7.1.4.1	Wildfire Mitigation Strategy Development	Identifying and Evaluating Mitigation
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 calibraria Energy Commission (CEC) grant EPC-18-028 to classify and identify areas with similar clinical bootines that already have weather stations, and areas with clinical and account of the commission of the co	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 lodistiche the document. Therefore, we would greatly appreciate Energy Safety outders larger in the control of the service of	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	OEB_601_Q12	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 consequence v.4 v.7 intis score broken out by: (1) griding overall risk core v.5 v.7 intis score broken out by: (2) 800 Provide the following information on each of these projects via Excel document. b Millage of project v.7 v.7 were direct scarling (including a footnotelwritten response of the total number of CPZs included in the visible consequence. v.7 v.7 were direct scarling (including a footnotelwritten response of the total number of CPZs included in the visible consequence. v.7 v.7 were direct scarling (including a footnotelwritten response of the total number of CPZs included in the visible consequence. v.7 v.7 were direct scarling (including a footnotelwritten response of the total number of CPZs included in the visible consequence.	Please see altachment WMP-Discovery2023_DR_OEIS_001-0012Alch01.sisx, tab *12.a Dropped v2 CP2s.* b. The probability of grittion change was driven primarily by greater granularly in fablier modes associated with the probability of gritting of the probability of gritting fragments and the probability of gritting fragments. c. As roded on the 2023-2025 WMP R1 (posted April 6, 2023), ACI PCASE-2024, 06, 881, under *Project impacts*). There were no pipeling stat was end poptical from the changes imperimentable between 2 and Vis of the models—free were no pipeling state was experimentable of the visit of the Visit of the Changes (V1 to V2) and noting how EVM and System Hardening approached this differently due to the associated timeframes with the work.	4/12/2023	Appendix D	Areas for Continued Improvement	ACI PC&E-22-09 Evaluation of Model Reprioritization and Fire Reduild in High- Res. Areas
81	OEIS	001	OEIS_001	13	OEIS_001_Q13	v. v. overall nik standing forcioning a conceavament response or the total number of LPL2 includes in the Repairding PGASE is Response 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 drove-only and helicoper only" (page 920). A Provide the de daily inspection rates for stand-stone ground inspections, drone-only image capture, and helicopter-only capture.	Please see below for the requested information. Anish Image capture (Shoutures/day/orew) Asiat Image capture (Shoutures/day/orew) Against Young capture (Shoutures/day/orew) Against Young Capture (Shoutures/day/orew) Despection rate in field (shoutures/day/orepector) Despection rate in field (shoutures/day/orepector) Despection projection in the (shoutures/day/orepector) 40-45-40-45-40-45-40-40 Market The hallocopied cody method can coupture at a very rapid rate due to automatic image capture.	4/10/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-2220 Asset Inspection Drone Program Pilot

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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 Standardardzanie (IO) SGGO standardzanie (IO) SGGO standardzanie (IO) SGGO standardzanie (IO) SGGO standardzanie (III) SGGO SGGO SGGO SGGO SGGO SGGO SGGO SGG	of support shruture ID for attached equipment, immunicativer, model ID (as appropriate), and installation date. These considered critical data dements (Coles) and data government and data quality metics are being established to task the associated data quality (Social data) operants and data quality metics are being established to task the associated data quality. (ARDO) program to identify Critical Data Elements (CDEs) and related data quality for critical saset bytes. Currently (ARDO) program to identify Critical Data Elements (CDEs) and related data quality for critical saset bytes. Currently this has been applied to 12 Transmission and Data bloom of the program of the program of the data of the program of the pr	4/10/2023	81.5	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 installance will be provide the program of the PGES and beyond. Then on page 374, PGES states that the DCD Utility installance will lawly continue from 202-2025. Will be number of ordupes, due to EPSS de-energizations, be looked at lo dentify which circuits should receive the DCD algorithm? In figure 18.1 Act (PCD) EREPORTABLE 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-sera compared to the orient 201 Sold on energy. PGSE classification will be provided to the program of the pro	a ji) DCD algorithm installation was prioritized based on the addressable risk refluction from each DCD device using PGESE x VDMEM x intended and maximizing Pisi Fire Risk x in (FFRA) electric distribution from risk converage, Addressable risk reflects the devices and crucials that are capable of accepting the DCD algorithm. By the end of CSD, DCD is planear to be installed on approximately 2 (100 DHFA miles, Circuit between and 4-wire circuits are not currently capable of receiving DCD. Milesge is subject to change due to undergrounding of overhead lines and value of the conversable of the conv	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 10 to 18 of the Calstopa substation. After initial positive tests, the calstopa substation of the calstopa substation. After initial positive tests, the calstopa substation of the calstopa substation. After initial positive tests, the calstopa REC1 object demonstration was satisfied due to the situate of the substation REC1 equipment. In addition, PASE that difficulty obtaining replacement equipment from various overseas suppliers due to supply chain issues and the oroginal COM-19 pandernic. However, the control of th	PGSE objects to parts (s) through (e) of this request as beyond the scope of this proceeding. This question relates to PGSE's WID General Rate Case (GRC) proceeding and has no enunciated connection to PGSE's WIMP proceeding. Furthermore, Cal Advocates concurrently served an identical data request on PGSE in the GRC proceeding and PGSE will provide a response to this request in that proceeding as it is the more appropriate verse.	4/10/2023	81.8131	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
85	СаРА	Set WMP-11	CalPA_Set WMP-11	2	CaiPA_Set WMP-11_Q2	Indexing to PGAE's Electic Pretiminary Statement Part FY (Tauff Sheeh No. 52296-1), he Dischie Program Investiment Chappe Statuncing Account (EPGAE) has three subaccounts. The EPIC Program Administered by PGAE Subaccount tracks the actual program expenses to the authorized EPIC program Nodes pursuant to 10-166-637, 203-69-64, and D2-11-1-028 brough December 31, 2030 or at The EPIC Program Administered by Collifornia Energy Commission (CEC) Subaccount tracks the extual program expenses encurbed and remitted by the CEC and program administration operate remitted to the CEC to the authorized by the CEC and program administration operate remitted to the CEC to the authorized by the CEC and program administration operate remitted to the CEC to the authorized by the CEC subaccount tracks the actual program and another to the CEC, or to program applicants, to the authorized NSHP Program budgets pressure to 0.16-00 Old encumbered by June 1, 2019 or spent by December 31, 2015 is Please complete the following table by subaccount for 2015 to 2022.	PG&E objects to this request as beyond the scope of this proceeding. This question relates to PG&E's 2023 General Rate Case (PGC) proceeding and has no ensurciated connection to PG&E's WMP proceeding. Furthermore, Cal Advocates concurredly enverted an interface data request or PG&E in the CRC proceeding and PG&E will provide a response to this request in that 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	PGSE docides to the portions of this request relating to Major Work Category (MWC) 48R as beyond the scope of this proceeding. Notwithstanding and without onlying this objection (PGEE responds as Blood REPCE) installations as PGSE has not performed air revisitation of additional substitions for suitability of additional REPCE installations relogiously the process of the process	4/10/2023	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter

87	CalPA	Set WMP-11	CalPA_Set WMP-11	4	CalPA_Set WMP-11_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 accessful implementation in Australia. PG&E tas developed a shri-free strategy to these plans coaled charge pending left 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 toward substitution each year. by these plans coaled range. — 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 the ordering PG&E in Language 19 in the Coale of the PGAE is a counterly plans regarding the Marse deployment of REFCLs. c) 2025, and v. v. 2020 test described where PG&E plans on deploying REFC List. In Logation is Language 19 in the PGAE is an empty of the PGAE in Logation in the PGAE is a counterly plans regarding the Marse deployment of REFCLs. C) 2025, and v. v. 2020 test described where PGAE plans on deploying REFCL in Logation is Logation in the PGAE is an empty of the PGAE in the PGAE is a counterly plan or described in the PGAE is a counterly plans regarding the Marse deployment of REFCLs. C) 2025, and v. v. 2020 test described where PGAE plans or described the PGAE is a counterly plans of the PGAE is a counterly plan or described the PGAE is a counterly plan of the PGAE is a counterly plan or described to the PGAE is a counterly plan or described to the PGAE is a counterly plan or described to the PGAE is a counterly plan or described to the PGAE is a counterly plan or described to the PGAE is a counterly plan or described to the PGAE is a counterly plan or described to the PGAE is a counterly plan or described to the PGAE is a counterly plan or described to the PGAE is a counterly plan or described to the PGAE is a counterly plan or described to the PGAE is a counterly plan or described to the	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 bre-casts 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 bre-casts 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 RECTLs, 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 SEPIC 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 Operators 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 recolors 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 client of the controller of the properties of the controller of the controller of the properties of the controller of the other settings. c) Yes, please see the response to subpart (c) below.	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 soldisons such as DCD and rainal Voltage belefician? Regarding Partial Voltage belefician (PVD), a WMR of voltage to the grid" are required for PGSE to implement this technology? 1) is PO visible on 3-wire systems, 4-wire systems, or both? 1) if the answer boys off (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; *Policity fig. Fault Neutratzers; *Policity Ground Fault Neutratzers; *Policity The replacement of upon colors based on grounding study; *The replacement of upon bodies visible gregulators with oxided delay. *Pre replacement of upon bodies visible gregulators with rocked delay. *Pre replacement of upon bodies visible gregulators with oxided delay. *Pre replacement of upon bodies visible gregulators with Ground Schwarz; *Pre placement of upon bodies visible gregulators with Fault delection; *Pre placement of upon delay visible preparation of the placement of upon delay visible gregulators with Fault delection; *Preplacing three-phase fault arrangements with Faultschwarz; *Preplacing three-phase faultschwarz; *Preplacement of three-phase faultschwarz; *Preplacement of the delay visible faultschwarz; *Preplacement of the delay visible faultschwarz; *Preplacing three-phase faultschwarz; *Preplacement	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 Bennoto'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 overhead conductor. facilities with covered conductor. a The SADI (System Average herrorism Duration Index) for the years 2018-2022 for overhead distribution facilities with covered conductor. a The SADI (System Average herrorism Duration 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 side imitiation.	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 Page 1982 and 2025 are cumulative, i.e., that the 3.00 of Igue for 2024 includes the 15.000 reduced impacts for 2023, 2024 and 2025 are cumulative, i.e., that the 3.000 figure for 2024 includes the 15.000 reduced impacts for 2023, and so on. b. Please provide the supporting data for the elamates of reduced PSPS impacts in 2023 (15.000 customer events), 2024 (3.000 customer events), 3024 (3.000 customer events), and 2025 (5.000 customer events), 2024 (3.000 customer events), and 2025 (5.000 customer events). Provide the data in the Exceld formation are "based on William Bigglang protegories including but not limited to MSO replacements and Underground miles" For each of 2022 (2024 and 2025, please provide a breakdown of the reduced customer events), including but not limited to covered conductor installation. Explain how PG&E determined this breakdown. In Provide equivalent data regarding reduced PSPS impacts for the years 2018 leaving-2022 and provide the short of the separation of the provide 2024 and 2025 (and the provided provid	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 MPM or attractivents WPD-Discovery-2025. PL TURN, 033-0004-001. In this statement, column "treament, column "trea	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, 28, 28, 29, 39, 40, 47, 55, 62, 63, 27, 71, 71, 97, 97, 97, 97, 97, 97, 97, 97, 97, 97	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, 183, 178, 179, 183, a) For each of the above Enrity Numbers, please explain why "Measures Taken, or Flamned to Be Taken, to Reduce the Need for and Impact of Euro-PSRS' of Curzol are be lank. b) For each of the above Enrity Numbers, please state whether PCSE plants to take any PSRS' on that carries 2022 VSRP period to reduce the need for and impact of future PSRS' on that carries and the PSRS' of Curzol Carries (and Future PSRS') of Curzol Carries (and Futur	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/Markin Jask' for the updated List of Frequently De-emergized Circuits. 3) After updated listed spid established or closuls here on PSS-Misligation Measures taken or planned to be taken, see footnoties below for explanation irrelated with NO PSPS Misligation Measures taken or planned to be taken, see footnoties below for explanation' irrelated of a balance also and conflation. Other than mitigations stated in the Frequently De-emergized Table, PGSE plans to implement in-event alternatives such as remediated or asset and vegetation haps, and potential use of temporary generation where possible that could relative contines 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 Hearuser Existency or Plannet to Be Taken. In Reduce the Need for and impact of FLUIR 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-Messuer Taken, or Plannet to Be Tables. In Dectace the Need for and Impact of Future PSPS of Circuit are blanks. b) For each of the above Entry Numbers, please state whether PCEE plans to take any measures using 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 PGSP of Circuit is blank required to the Medical PGSP of Circuit are blanks. b) For each of the above Enriey Numbers, Desire state whether PGGE plans to take any measured using the PGGSP of Circuit are blanks. b) For each of the above Enriey Numbers, Desire state whether PGGE plans to take any measured using the PGGSP of Circuit and PGSP of Circuit and PGSP of Circuit are blanks. b) For each of the above Enrie Numbers of the PGSP of Circuit are blanks. Circuit and PGSP of Circuit are blanks by TGSP of Circuit and PGSP of Circuit and P	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 refer 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

106	CaIPA	Set WMP-12	CalPA_Set WI	MP-12 4	CalPA_Set WMP-12_Q4	Regarding Table 9.2 (Lists of Frequently De-energized Circuits) in Appendix F of PCSE's VMPC, distribution circuit Errisy Members 3.4, 6.1, 13, 14, 19, 20, 12, 22, 23, 24, 25, 26, 27, 23, 58, 69, 51, 52, 58, 60, 164, 65, 66, 67, 68, 72, 73, 75, 76, 77, 78, 79, 80, 81, 82, 84, 65, 91, 94, 95, 99, 100, 101, 102, 104, 106, 170, 100, 109, 114, 115, 116, 123, 124, 77, 128, 129, 132, 123, 133, 134, 124, 154, 174, 134, 175, 154, 159, 164, 165, 168, 170, 171, 173, 180, 191, 182, 184, 180, 180, 180, 119 in) Please destorbe the PSPS protocols referenced in the marry form of the PSPS protocols referenced in the marry form of the PSPS protocols referenced in the marry and colorest process of the PSPS protocols referenced in the marry in part (c) herefited because they were not dis-trengized or because they had mediced impacts from PSPS. 91, 1988 sets table from PSPS and protocols referenced in the fallow dis-trengized or because they will not be described inscars.	INUM discovered or error in our 2020 VMP administra in the "Measures Taken, or Prepriet lo Br. Taken, to Reduce he Need for sent lights of Grains of Taken Post Reduce the Need for sent lights of Grains of Taken Post Reduce the Need Foundation of Lorenzy Staffs to provide this corrected information and discuss updating our VMP submission pursuant to Energy Release note, we expect to have the table revised by April 18, 2023. Please note, we expect to have the table revised by April 18, 2023. 3) See response (a) 3) See response (a) 4) See response (a) 5) See response (a) 6) See response (b)	4/11/2023	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
109	CAPA	Set WMP-12	CalPA_Set Wi	MP-12 4 SUPI	Calpa_set WMP-12_Q4 SUPP	Regarding Table 9-2 (Lists of Frequently De-energized Circuits) in Appendix F. of PCAE's VMMP, distribution creat Enry Numbers, 3.4, 6.1, 3.1, 4.19, 20, 21, 22, 23, 45, 56, 36, 74, 23, 24, 25, 66, 57, 68, 27, 73, 75, 76, 77, 78, 78, 90, 81, 82, 84, 69, 19, 89, 90, 100, 101, 102, 104, 106, 107, 109, 114, 115, 116, 122, 124, 127, 128, 129, 130, 132, 137, 139, 140, 142, 145, 147, 149, 150, 154, 156, 156, 168, 168, 170, 171, 171, 173, 180, 161, 162, 162, 162, 163, 163, 163, 163, 163, 163, 164, 165, 164, 166, 166, 166, 166, 166, 166, 166	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 lated circuits that are miglated by PSEP protocols. Proceedings and the second process of the proces	4/18/2023	9.12	Public Safety Power Shulaff	Identification of Frequently De-Energized Circuits
107	CalPA	Set WMP-12	CalPA_Set WI	MP-12 5	CalPA_Set WMP-12_05	Regarding Table 9.2 (Lists of Frequently De-energipted Circuits) in Appendix F of PCSE's VMRV, Transmission increat Erray Members 193, 151-61, 719-519, 201, 202, 202, 204, 255, 202, 202, 201, 201; 212, 215, 217, 218, 219, 221, 222, 232, 232, 232, 232, 232, 233, 233, 235, 239. Please describe the PSFS protocol referenced in These Early Numbers. Polesse explain how customers were "Magabot by PSFS protocol; Please state frow many customers berefilled from mitigation by PSFS protocols in past events. 3) State whether the customers referenced in part of perimetic because they were not de arregarded to exteaute they and whether the customers referenced in part of perimetic because they were not de arregarded to exteaute the part and by PSFS protocols. 1) State whether the customers referenced in part (v) will benefit because they will not be de arregarded to because they will have needload impact for mSFS.	3) We discovered an error in our 2023 WMP submission in the "Measures Talent, or Planned to Be Talent, to Reduce the Need for and injusted of future PSF of Circuit of the Prequesting Discovered to the PSF of Circuit of the Prequesting to WMP submission pursuant to Energy Stellar to provide this corrected information and discuss updating our WMP submission pursuant to Energy Pseuro Pseuro (Pseuro Pseuro Ps	4/11/2023	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
107	СыРА	Set WMP-12	CalPA_Set WI	MP-12 5 SUPI	CalPA_Set WMP-12_O5 SUPP	Pagarding Table 3-2 (Lias of Prospertly (Deveragined Circuis) in Apparels F of PGSE's 1997 Intermination until Etilpy Numbers 150, 156, 157, 159, 150, 201, 202, 203, 204, 205, 208, 203, 203, 201, 211, 212, 213, 215, 217, 218, 219, 212, 222, 223, 224, 225, 223, 223, 223, 223, 223, 223, 223	Under Exposure 1.0. Set all and the Company of the	4/18/2023	9.12	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
108	CalPA	Set WMP-12	CalPA_Set WI	MP-12 6	CalPA_Set WMP-12_06	PG&E's WMP p. 751, Section 9.1 2, states that "This lable [Table 9-2] also includes the mitigation measures taken, or planned to be taken, to reduce the likelihood of PSPS on those circuits." Regarding Table 9.2 (Lists of Frequenty) Exempting Part of PSE of WMP. The only planned action Istation Table 2-1 regarding WSO device installations or replacement planned (which is lated for 8 of 250 circuits), a) Please explain why come of the other types on mitigation measures let on p. 7.51 as letted in 756 by 2 partial action for way circuit. Pythose explain whether PG&E plans to take any mitigation measures for any of the remaining 23 circuits in Table 9.2 as planned action for way circuit.	a) We discovered an error in our 2023 WMP submission in the "Measures Talent, or Planned to Be Talent, to Reduce he Need for and impact of Future Priso For Circuit of the Frequently De-energized Corticals If We will read not be Energy Stelley to provide this corrected information and discuss updating our WMP authorisation pursuant to Energy Sadely's quidelines. Additionally, majority of the militigation types listed on p. 751 are circuit specific and we have provided the devices installed and line miles completed for those. Besides undergrounding and MSO we correctly do not have a plan to energized Circuit list, we will adeptiment undergrounding and MSO will contently to the Prespection of the properties of the Prespection of the Prespection of the Prespective Circuit list, we will adeptiment undergrounding and MSO will not be proprieted critical.	4/11/2023	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
109	CalPA	Set WMP-12	CalPA_Set WI	MP-12 7	CalPA_Set WMP-12_Q7	Regarding ACI PC&E-22-35 (Quartity Mitigation Breefits of Reducing PSPS Scale, Sorge, and Frequency) on 998P p. 673-673-b) Prease explain why the false shows customer investig (in terms of low-emerical PSPS) mitigation) for only how mitigation entroid (i.e., audergrounding and MSO, which of hor methods (e.g., overhead hardering, sectionalizing, etc.) are not listed in this table. b) has PC&E analyzed customer PSPS impacts for other mitigation methodr2 of 18 manwer to part (b) is yes, please provide the results of PG&E snalysis. d) if the answer to part (b) is no, please explain why not.	a) Table PGAS-C2-35-1 those continees mitigated and not customers impacted in the analysis, we applied the 900 quidance in the weather lookabop prior of 107-102-202. Other mitigation methous sush a sectionaliting devices god hardering, and PSPS protection shall be provided to the lookabop. The alloward provided in the number of continees we are able to mitigate with the two planned mitigations (indeeding notine) and SSO are expected to compile to the provided provided to the provided provided to the provided provided to the provided to	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	CMPA	Set WMP-12	CalPA_Set WI	MP-12 8	CalPA_Set WMP-12_Q8	Regarding Section 9.2.3 (Outline of Tactical and Strategic Decision-Making Protocol for initiating a PSPSFSPS (Such as Decision Treel), subsection, "Decision to the Energize," the WMPp, 700 states in part that "The DC will determine whiter attendance to demonstrate where attendance to the control of the subsection of	4) Side majorante (Si). 4) Side majorante (Si) 5) Side majorante (Si) 6) Side majorante (Si) 6) Side majorante (Si) 6) Side majorante (Side Side Side Side Side Side Side Side	4/11/2023	823	Public Safety Power Shuloff	Outline of Tactical and Strategic Decision-Making Protocol for Inflating a PSPSPSTS (Such as Decision Tree)

		1	1	1	Г	T	a) DCSE provides arresolible transportation through partnershine 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 for part (a) is yet, how the provide 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 dilized 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 positions in the part of PSPS from the observable of PSPS from the part of PSPS in t	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 part of the provide may occur, relicitation of expected restration time when an EPSS catelings are de-activated.) used EPSS settings are de-activated.) Settings of the provided provided in the provided	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 evanteurs). PDCS will not control see of provide the possibility of possibility of possibility of the possibility of possibilit	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 fair Africaption (CPA) are well ordered interespiral assertion shall generate current and violage amonalies including series aring issues follows, spilexes, switches) and shart aring failus (fine slap, vegetation contact, where well produced in the complex series are shall be supported by the contact aring failus (fine slap, vegetation contact, where well are caused by partial discharge from equipment components including broken conductor stands, failing significant to the contact of the contact are shall be supported to the contact of the contact are shall be supported to the contact of the contact are shall be supported to the contact of the contact are shall be supported to the contact and shall be supported to the contact are shall be supported to the supported to the contact are shall be supported to the contact are shall be supported to the supported to the contact are sha	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 completion 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 processes of controlling constraints resolution: If the processes of controlling constraints resolution: If the processes of controlling constraints resolution: If the processes of controlling constraints excludion: If the processes of controlling controlling constraints.	a) Condition is Management Opportunition (CND) was consider to act as the responsible group for developing and managing processes for contrastant resolution. Following the influences insert from the Enhanced Veglation Management (EVM) program, this team will be formalizing processes and procedures concerning town the various beginning to the contrast of the contra	4/12/2023	828	Vegetation Management and Inspections	Open Work Order

117	СыРА	Set WMP-13	CalPA_Set WMP-13	4 CalPA_Set WMP-13_04	Table 7.3-1 on p. 282 of PC&E's WMP states the following objective with an estimated completion date of 23/31/2025: For each major constraint classing vibration and process, and create metrics to brack each constraint type. (implement the new process, and create metrics to brack each constraint type.) When does PC&E expect to begin implementing its process for centralizing outstoner constraints? 3) When does PC&E expect to begin implementing its process for centralizing outstoner constraints? 3) When does PC&E expect to begin representing its process for centralizing environmental constraints? 4) What is the earliest date PC&E expects to begin realizing benefits (e.g. reduced time to resolve constraints) as a result of the objective quoted above? 9) Why does PC&E expect that it will take until December 2025 to achieve the objectives in the passage quoted above? 9) Between now and December 2025, how is PC&E addressing each constraint type?	a) For some Vegelation Management (VM) programs within the VM department, the Constraints Management Team (CMT) will be implementing process improvements to the outstance constraints process as early as 0.2 of 2023. The CMT has already began Including registed neck-in endergos will out Environmental bears to discuss environmental permitting needs, discuss opportunities for process improvement, and to generally explage on 0.1 her CMT has already began to willies or centralized email bot on the influention of the opportunities with the process sit environment. The permitting support. We expect to continue to review what could be best management practices and to look for process improvement of the continuent of the process sit environment of the continuent of t	4/12/2023	828	Vegetation Management and Inspections	Open Work Order
118	CaPA	Set WMP-13	CaiPA_Set WMP-13	5 CulPA_Set WMP-13_QS	Table 7.4 on pp. 307.313 of PG&E's WMP lists the top risk circuit segments (i.e., riskiest segments when sorted by both widther in the column entitled "lan 1, 2023 Overall Risk" states, "Accounts for risk reduction associated will PGSS* Please explain how PG&E quantitied the risk reduction associated will PGSS* Please explain how PG&E quantitied the risk reduction associated will result segments in Table 7-4. 1) Dis the values in the column entitled "Jan. 1, 2024 Overall Risk" account for risk reduction associated with column entitled "Jan. 1, 2025 Overall Risk" account for risk reduction associated with PGSS* 2) Dis the values in the column entitled "Jan. 1, 2025 Overall Risk" account for risk reduction associated with PGSS* 3) Dis the values in the column entitled "Jan. 1, 2025 Overall Risk" account for risk reduction associated with PGSS* 3) Dis the values in the column entitled "Jan. 1, 2025 Overall Risk" account for risk reduction associated with PGSS* 4) District PGSS* 3) District Table TA with the following additional columns: I. Forecast SADI in 2023 if EPSS were not distincted I. Forecast SADI in 2023 with EPSS.	includes a declaraciones au dios de estre cui a logici mento de la federa de la declaración del declaración del declaración de la declaración de la declaración de la declaración del declaración del del declaración del del declaración del del del del declaración del	4/28/2023	7.223	Wildfire Miligation Strategy Development	Projected Risk Reduction on Highest- Risk Circuits Over the 3-Year WMP Cycle
119	CNFA	Set WMP-13	CalPA_Set WMP-13	6 CalPA_Set WMP-13_Q6	Table PG&E-6.2.2-1 on p. 168 of PG&E's WMP lists four consequence values derived from the mean MAVF of historical fires. Instancial fires in the properties of the properties of the properties of the properties of properties o	s (or within the non HFRA) would not change much. Additionally, we evaluated whether changing predicted destructive values could result in HFRA locations or points	4/12/2023	6222	Risk Methodology and Assessment	Consequence
120	СаРА	Set WMP-13	CalPA_Set WMP-13	7 CalPA_Set WMP-13_Q7	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 mitigating wildfire risk at a lower cost as shown by comparing the RSEs for the two programs: at the time we fled the 2003 GRC, the RSE for FMW was 14.5 compared to the EPSS RSE of 105.7° a) Other than RSE, what other circles in dPG&E evaluate in the decision to move away from EVM? 1) EPSS is a reactive mitigation program in contrast to EVM which is proactive. Does this reactive vs. proactive changosization there any impact on PGASE decision to travalistion same from EVM? 2) How does PG&E's RSE estimate for EPSS table with account the negative 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 (EVM), Beatise miligation effectiveness and implementation and operating code southers by the RSS special Enfolsery (SES), we considered the beating special enterthing the experiment of the setting special enterthing spec	4/12/2023	721	Wildfire Mitgalion Strategy Development	Overview of Mitigation initiatives and Activities
121	CalPA	Set WMP-13	CalPA_Set WMP-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 mitigating the impacts of PSPS events? a) Temporary Distribution Microgrids b) Community Microgrid Earbelment Program	 a) We track Megawatts (MW), customers mitigated, and the number of usages per location each season to validate the impact and effectiveness of Temporary Distribution Milorogrids. b) We track at minimum the frequency and duration of the microgrid's usage, along with the number of benefitting customer accounts. 	4/12/2023	8.1.2.7	Grid Design and System Hardening	Microgrids
122	CalPA	Set WMP-13	CalPA_Set WMP-13	9 CalPA_SH WMP-13_Q9	c) Microgrid Incentive Program Do the following programs have any impact on customer reliability (e.g., frequency or duration of outages) in general? Presse organia your response for each program. a) Temporary Distribution Microgrids b) Community Microgrid Enablement Program c) Microgrid Incentive Program	c) Please see our response to subpart (b). A plantitude many of the plantitude properties are designed to power communities" central contriors, 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, customers being sected by a temporary distribution microgrid set apperferates two tried outages: one as the microgrid is conrected and one when the microgrid is disconnected after the PSPS outage, one as the microgrid is conrected and one when the microgrid is disconnected after the PSPS outage, one as the microgrid is connected after the PSPS outage, one as the microgrid is connected and one program of the program of the program of the program can reduce the duration of outages by providing energy within the microgrid during a broader grid outage. Of Please see our response to subpart (b).	4/12/2023	8.1.2.7	Grid Design and System Hardening	Microgrids
123	CaiPA	Set WMP-13	CalPA_Set WMP-13	10 CalPA_Set WMP-13_Q10	Figure 7-1 on p. 268 shows a sharp decline in risk after 2026. a) Piezes provide context as to what drives this decline. b) Why does PGSE anticipate 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 installed each year. In a continued ramp-up of undergrounding miles to be included each year. In a continued ramp of the continued ramp-up of underground miles expected to be included each year that are focused in the injustment is felo 2029 (circuit is felo 2029) continued as expensed, in the individual expense of the context of the felopsite is felo 2029 (circuit is felopsite) shifted in the benefits of undergrounding are cumulative over time. See section 8.1.2.2 specifically labels 8.1.2.3 which shows the current undergrounding military position increasingly addresses the top (six, and in 2026, almost 100 percent of the targeted annual undergrounding military see to bound on the felopsite with profits of the state	4/12/2023	7.22.1	Wildfire Mitigation Strategy Development	Projected Overall Risk Reduction
124	CalPA	Set WMP-14	CalPA_Set WMP-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 by prior prefections) will decrease costs in the initial years of the program." Please lit the "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 WMP-14	2 CalPA_Set WMP-14_Q2	P. SIT of PC&E's WWR4 states (regarding PC&E's undergrounding program). "Among other benefits, the reduced place (as compared to prior projections) will decrease costs in the initial years of the program." Please tast the "other benefits" referenced in the quote above.	a) No. DTS-FAST does not have the capability to revengize a line. Currently, DTS-FAST is monitoring only, and is not automatically sending the trip (de-engize singlat loo generation suffice by sending the report alarm conditions in real time. For example, if vegetation has failen into the alarm zone and remains (i.e., leaving on the conductor line), the alarm will remain, however, if the vegetation has failen into the alarm zone and remains (i.e., leaving on the conductor line), the alarm will remain, however, if the vegetation has alary lines and the conductor line), the alarm will care. Regardless, we will use the video currente to video the alarm and table appropriate. For example, if the capability to re-energize a line, but it will provide data to operations of sensor alarm statuses. In addition, DTS-FAST care and liprovide remote visual awareness of the safer location, of Vive to not currently have exough field data to draw formal conclusions about reliability impacts, but our goal is to remove the DTS-FAST excess report ourselve whether the SMS has been been such as the care of the control of the safer in the care of the capability of the capability of the capability of the capability to reversely a line, but it will provide data to our goal is to remove the DTS-FAST excess respond cancel withfer fields with not belief allows.	4/17/2023	8.12.6.1	Grid Design and System Hardening	Distribution, Transmission, and Substation: Fire Action Schemes and Technology

126	CaPA	Set WMP-14	CalPA_Set WMP-14	3 CaIPA_Set WMP-14_Q3	P. 350 of PG&E's WMP discusses Breakway Connectors, and states. The breakway disconnect uses a weak task to provide a predictable point of separation and the service will then fall to the ground de-energized.* a What is the maximum wind speed that freeslaway Connectors can hardle without separating? b) Has PG&E studied whether conditions exist that could cause a temporary fault and minimized or no damage to a mon-threakway connection, but would cause a Breakway Connector to separate PF or example, a small branch of if the answer to part (b) is so, does PG&E plan to perform such a study? of if the answer to part (b) is no, does PG&E plan to perform such a study? of What reliability impacts does PG&E forecast from Breakway Connector separating, if this risk has not been quantified, describe the iginition risk in qualitative terms. Please quartify the piglion risk is associated with a Breakway Connector separating, if this risk has not been quartified, describe the iginition risk in qualitative terms.	a) Maximum wind speed is not easily defined. Spain reight, ternisors, conductor size and wind direction all influence the maximum wind speed. If Table Is and 6-A2 require Supply service drops to have a minimum sheeping of 88 south. General Charles Size 48.4 F88 B Search. 1. The Service in Presidency has the considerable week links 500 bb., for services 75 and shorter, 750 pounds for services longer than 75 feet and up to 150 feet. The pilot Costorin for the service bresidesway has experienced three storms with winds exceeding 100 mph with no breakage of the week links (pilot hinks are 750 bb., due to span height). 2.1 hou him shifted severe deserved with limbs weighing 125 bb. and 200 bb., respectively. No damage was found, and the week links (pilot hills with the service breakage) with severe of the week links (pilot hill) impacts. 1. We of not expect any preliability impacts. 1. We spirit on the content of the pilot specified by the service of the service of the service breakage (pilot pilot	4/17/2023	8.12.8.2	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.	l	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 CaIPA_Set WMP-14_Q5	P. 363 of PCAEE's WMIP states. Temporary distribution microgrids are designed to support community resilience and reduce the number of outstomers impacted by PSPS by energizing main street corridors' with clusters of sthared services and critical facilities so that flose resources can continue serving surrounding residents during PSPS event. 9) Please set the energies residents included by PSPS by the property distribution included that PCAEE that available in 2020, 2021, and 2022 to mitigate by For each temporary distribution microgrid state in part (b), atter the number of times the temporary distribution microgrid vas used in 2020, 2021, and 2022 to mitigate the effects of a PSPS event. 9) For each temporary distribution microgrid state in part (b), atter beneated or construent for remained energized during a PSPS event. 9) For each temporary distribution microgrid state of the remained energized during a PSPS event. 10) For each temporary distribution microgrid 10 microgrid 17 (1) How does PCAE determine when to remove a deployed temporary distribution microgrid 7.	Section of the Comment of the Commen	4/17/2023	8.1.2.7.2	Grid Design and System Hardening	Temporary Distribution Microgrids
129	CalPA	Set WMP-14	CalPA_Set WMP-14	6 CalPA_Set WMP-14_Q6	9.85 of PGER's WMB states. The Restwood Coast Alproft Microgidi (RCAM) was built through a California Energy Commission EPC grant to the Schatz Energy Certies and ban from Unified State of America follow Restwood Coast Energy Authority (a Community Choice Aggregator), in collaboration with PGSE's EPIC 3.11, 14MB-Lise Microgidi, crylect. ¹ 1a) What was the folial cost of the RCAM project? 1a) What was the folial cost of the RCAM project? 1b) What was the folial cost of the RCAM project? 1b) What was the folial cost of the RCAM project? 1c) What was the folial cost of the RCAM project? 1b) What was the folial cost of the RCAM project? 1c) What was the folial cost of the RCAM project? 1c) What was the folial cost of the RCAM project? 1c) What RCAM project is the RCAM project? 1c) What RCAM project? 1c) What RCAM project? 1c) What RCAM project? 1d) What RCAM project? 1c) What	A PGER total costs for the RCAM project were approximately \$5.3MM. PGER does not have the project financials of our project patients. Please costals of State Energy Research Center (SLR-Ply Hymbrotis) and Redwood Costal Energy Atheroity for details on their botal project costs and funding sources. S. OF PGER's total project costs, 1. \$30,050,000 was thorded trough CEC's PGEP cart (EPC 3.11, Mol-Like Mercognic), 1. \$22,41,40 in cost officeds were provided to the Redwood Costal Energy Authority pursuant to the Community Microgrid Enablement Programs (CMP) (20,206-071); In CASE credword to possess from the United States of American care up their funding sources for the STATE of the Costal Programs (CMP).	4/17/2023	8.1.2.7.3	Grid Design and System Hardening	Community Microgrid Enablement Program and Microgrid Incentive Program
130	CMPA	Set WMP-14	CalPA_Set WMP-14	7 CaiPA_Set WMP-14_Q7	P. 365 of PCASE's WASP-states. "The successful deployment of RCAM provides a model for other communities for collaborative development of multi-customer micrografts for energy resilience." a) How does PCAS determine his success of the RCAM. b) Please provide data to support the success of the RCAM.	Agreement in his proceeding. Agreement in his proceeding of the p	4/17/2023	81273	Grid Design and System Hardening	Community Microgrid Enablement Program and Microgrid exentive Program
131	CaIPA	Set WMP-14	CalPA_Set WMP-14	8 CalPA_Set WMP-14_Q8	P. 369 of PG&E's WMP 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 quantify he 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).	EPSS trevelf, these devices can stee function as traditional reclosers outside of EPSS enablement thereby reducing the occurrence of sustained outsigns through reclaning. I) Historical outsign data was obtained for mousands of existing fuses on EPSS circuits. Outsign data was obtained for mousands of existing fuses on EPSS circuits. Outsign data was obtained for mousands of existing fuses and finel effect on reliability. Fuses are then replaced with SCADA operable Fuse Savers and Reclosers to resultable the reliability benefits outlined in a jord this response. No work paper has been prepared in	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 WIMP 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 included for a humany 26, 2023. The "D5" team at Electric Power Research Institute (EPRI) was provided with PGER Instituted animal contact records, esisting 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 14, 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-2325P-01 for the requested information: https://www.pge.com/pge_global/common/pdfs/safety/emergency/preparedness/natural-disaster/wildfires/wildfire-	4/17/2023	8.1.3.1.5	Asset Inspections	Intrusive Pole Inspection
134	CaiPA	Set WMP-14	CalPA_Set WMP-14	11 CalPA_Set WMP-14_Q11	P. 400 OF DEE's VMP states. PDEE designated plat maps as editores, severe, high, medium, or low based on the average wilding consequence of the studies within the plat map." a) is the designation described above based on the wildfire consequence access from the WDRM v2 or the value of the state of the value of value o	as the conversion. 3 The quade referenced above is based on the wildfire consequence scores from the WDRM v3. b) We plan to review widther in its model results annually and evolute how to update the inspection plan accordingly. c) After we review in model results and per, we will evaluate the plan tended to be adjusted. Update to order the plan to review the plan to account for increased risk or consequence.	4/17/2023	8.1.3.2.1	Asset Inspections	Detailed Ground Inspection

135	СЫРА	Set WMP-14	CalPA_Set WMP-14	12 CalPA_Set WMP-14_Q12	Table PCAE-5.1.7.6 on p. 458 of PCAE's WMP shows that PCAE added 41,859 distribution work orders to its HTTDNFRA handway in 2022. INT TONFRRA handway in 2022. INT TONFRRA handway in 2022 by closing more tags than it opens? On PCAE from reaching its targets regarding banding requision in 2023 by closing more tags than it opens? On PCAE from reaching its targets regarding banding requision in 2023? In the position of the position of the position is provided by the position of the position	a) In order to ensure we will confinue to reduce our backlog of asset lags, as of January 1, 2023, all new HFTDHFFRA tags will be completed by the completed on the completed by the completed of the completed by the plant of the completed of the completed by the plant of the completed of the completed by the plant of the completed of the completed by the plant of the completed of the completed by the plant of the completed of the completed by the completed of the completed of the completed by the completed of the completed of the completed by the completed of th	4/17/2023	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
136	СыРА	Set WMP-14	CalPA_Set WMP-14	13 CalPA_Set WMP-14_Q13	P. 463 of PC&E's WMP states, "EPSS does not cause a power outage." Given that EPSS settings can de- energize a line without prior warning, and without an apparent cause, please explain what is meant by the above quote.	Inhanced Dwentine Safely, Settings, (IPDS)) enable capable protective devices on a circuit to operate in 0.1 seconds or less in order to develope and solicits infected protecting of our distribution system when shull or abnormal condition is delected that could generate a spark and subsequent widther ignition as well as delecting higher impedance shalls. Outsign high document of the protection of the county of the condition of	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 PGEF s January 2022 EPSS northly proper PGEF experienced 2,375 EPSS outgape in 2022 3) of the PDSP stiggered outgape in 2022, in how many of these outgage set PGEF find that no concretive actions were required prior to re-energizing (i.e. there was no persistent condition but PGEF needed to resolve upon inspecting the location of the outgape? 5) Were better any EPSS objected outgape in 2022 that PGEF determined were intiggered by events that did not of 18 he arrewer to set (fb. is we. how many such EPSS-thoseed outgape outgapes in 2022?)	a) PCER reported 1,003 services cause odages in 2022. Note that while his is indicative that a conscilute corrective score was not entered using the college and and retextuation process, it has not include or in spillion risks can be sufficient to the construction of the contract of th	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_015	P. 455 of PGAE's WHIP states, "in 2022, we expanded the scope of EPSS to all HFRAs in our service territory and select adjacent EPSS buffer area." 1) I PGAE did not expand the scope of EPSS to all HFRAs and all HFTD? 2) I PGAE did not expand the scope of EPSS to all HFTD in 2022, please state the basis for this decision. 2) In 2023, will the scope of EPSS core all HFRAs and all HFTD in 2022. 3) If the answer to part (c) is no, 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 Abroable understands that a droat segment that has been undergrounded may still experience PSPS outlage, it degrees spatement of such segment that has been undergrounded cross tegenest are subject to PSPS, a) is the above understanding correct? Fincly please correct the above. b) During the 2002-2002-2009 Willier pleas (see PSEE titlead to still be reproporty microgrids or other mitigations to fully eliminate the risk of a PSPS event de-emerging undergrounded inten? (4) If he arrever to part (b) is two, please describe PSASE spate).	a) Yes, the distancer is correct. While it is untikely that a downstream segment would affect the underground section, it is possible if there are no validate downstream isolation devices. b) in cases where undergrounding segments affected by upstream overhead segments, miligations such as Temp Microgrist may possibly remove the underground section from scope, however, it may not be feasible to utilize the possibility of the po	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-emergizations 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	CaIPA	Set WMP-14	CaIPA_Set WMP-14	18 CalPA_Set WMP-14_Q18	a) Has PCAE performed a study or back cast to predict the likelihood that an undergrounded segment will be subject to an EPSS-triggered de-emergizations due to upstream or downstream segments becoming subject to EPSS consideration part (a) size, blesser provide the results of any such studies. (a) If the answer to part (a) is no, please explain withy not.	I) We have not performed its logs of study, on the process of the process of the process of the process of the report to subpart a), or PGGE has not yet performed this type of study because the resolution of mileage that has been placed underground is cartilevely small. The maniples would need to be circuit specific. For this type of study to be more meaningful, a greater stargeted line segments, which deem nears that drive profotors of the same circuit remain overhead and would require the protection of EPSS applied to the erfolic time segment refunding both US and OH seaters applied to the order to segment refunding both US and OH seaters.	4/17/2023	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
142	СаРА	Set WMP-14	CalPA_Set WMP-14	19 CalPA_Set WMP-14_O19	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 b) Care of the incident c) Date of the incident of the dig-in, if any c) Date of the incident with the dig-in, if any c) Date of the incident with the dig-in, if any c) Date of the incident with the dig-in, if any c) Date of the incident with the dig-in, if any.	FGGE Opicies to this request as beyond the scope of the proceeding and unrelated to FGGE's 2023 VMP. Noticehitanding and without avoiring these opicions, we provide the following information in relation to ligh ins that happened in the 2003 to 2022 semidance within HFT DT Int 2 and Tet 3 zonze. The 2 control of the 2020 to 2022 semidance within HFT DT Int 2 and Tet 3 zonze. The 2 control of the 2020 to 2022 semidance within HFT DT Int 2 and Tet 3 zonze. In Caldinosiae, D14-001944001 xxxx for the requested information G and tof state-thment VMPAP Discovery/2023. DR, Caldinosiaes, D14-001944001 xxx for the requested information End state-thment VMPAP Discovery/2023. DR, Caldinosiaes, D14-001944001 xxx for the requested information. Please note that there were no Injuries associated with dig-ins involving an underground sector discharged information. Please note that there were no Injuries associated with dig-ins involving an underground sector discharged information. Please note that there were no Injuries associated with dig-ins involving an underground sector discharged. Information. Please note that there were no Intellies associated with dig-ins involving an underground sector discharged information. Please note that there were no Intellies associated with dig-ins involving an underground sector discharged in formation. Please note that the two do not accordance of the D14-001944001 xxxx for the requested information. However, please note that we do not accordance to xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	4/28/2023	8.4.2.1	Emergency Preparedness	Overview of Wildfire and PSPS Emergency Preparedness
143	CaIPA	Set WMP-14	CalPA_Set WMP-14	20 CalPA_Set WMP-14_Q20	a) During the period from 2020-2022, did PG&E replace any distribution poles as part of its WMM activities for which PG&E had not full yill recovered the original cost of the pole? b) if the answer to part (a) a yes, which was PG&Es practice regarding cost recovery on the unrecovered portion of the value associated with the replaced pole? of the nature to part (a) a yes, please 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_021	a) During the period from 2003-0022, die PGAE regione any distribution conductor as part of its VMMP activities for which PGAE flash contiday recovered the original cost of the conductor? This may involve undergrounding a previously hardered line, or replacing a bear overhead line with covered conductor. PGAE is practice and provided the provided period of the value associated with the replaced conductor? of the value associated with the replaced conductor? of 18 the answer log rid (a) tayes, please provide the number of crout miles of such conductor that PGAE replaces.	(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	CaIPA	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 full precovered the original cost of the transformer? b) if the answer to part (a) a yee, which was PG&Es practice regarding cost recovery on the unrecovered portion of the value associated with the replaced transformer? c) If the answer to part (a) a yee, which see provide the rundber of such transformers 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	8.1.4.11	Equipment Maintenance and Repair	Transformers
146	CaIPA	Set WMP-14	CalPA_Set WMP-14	23 CalPA_Set WMP-14_Q23	a) in 2022, how many ignitions did PG&E experience related to overhead covered conductor distribution lines? b) in 2022, how many ignitions did PG&E experience related to overhead bare conductor distribution lines? c) in 2022, how many ignitions did PG&E experience related to underground distribution lines?	a) in 2022. PGGE deserved 1 CPUC reportable ignition where the equipment type associated with the ignition was mailated distribution primary overhead conducts. b) in 2022. PGGE deserved 158 CPUC reportable ignitions where the equipment type associated with the ignition was mare distribution primary overhead conductor. c) in 2022. PGGE deserved 1 CPUC reportable ignition where the equipment type associated with the ignition was understorand conductor.	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 Cuboker 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 comply with CPUC requirements of piece and certain conditions and, accordingly, in some as Posses provide a copy of the October 20, 2022 self-report referenced above. 3) Please provide a copy of the October 20, 2022 self-report referenced and business. "The Utility's provides the conditions are consistent of the October 10, 2022 self-report referenced and posses of the CPUC precipiements for replacements of poles under certain conditions." 5) 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." 6) 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."	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 remediation 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 application of wood potes that had not received intrusive insepticions in accordance with GO 165s deadlines due to present the control of the December 22, 2022 update referenced above. 39 Please provide a copy of the December 22, 2022 update referenced above. 30 December 1909 position of wood polices that had not received influsive inspections in accordance with GO 165, referenced in the quote above. 30 December 1909 positions of the provided above. 31 December 1909 positions of the provided above. 32 December 1909 positions of the provided above. 33 December 1909 positions of the provided above. 34 December 1909 positions of the provided above. 35 December 1909 positions of the provided above. 36 December 1909 positions of the provided above. 36 December 1909 positions of the provided above. 37 December 1909 positions of the provided above. 38 December 1909 positions of the provided above. 39 December 1909 positions of the provided above. 39 December 1909 positions of the provided above. 30 December 1909 positions of the provided above. 30 December 1909 positions of the provided above. 31 December 1909 positions of the provided above. 32 December 1909 positions of the provided above. 39 December 1909 positions of the provided above. 30 December 1909 positions of the provided above. 30 December 1909 positions of the provided above. 31 December 1909 positions of the provided above. 32 December 1909 positions of the provided above. 33 December 1909 positions of the provided above. 34 December 1909 positions of the provided above. 35 December 1909 positions of the provided above. 36 December 1909 positions of the provided above. 38 December 1909 positions of the provided above. 39 December 1909 positions of the provided above. 39 December	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 California Management for Operational Management for Operat	a) Verglation Management to Operational Miligiation (MXMM) will be primarily focused in HPTD and HFRA. There is instances where a circuit segement may one in or and of HPTDRFRA and MXMM would complete work on the whole circuit segment including the areas colliside HPTDFRA. Focused Tree Respections are planned for HPTD and MXMM will be a seen in the plant developed for 2023. The same in the plant developed for 2023. The seen is the plant developed for 2023. The specified respective specified is a seen of the specified in the specified is a seen of the specified in the specified is specified in the specified i	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 [bree] 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" nillings of ME PCES enabled outsige of the Institute VM Confede data, and costoner coulgare impact data in devising the VMOM scope of work. a)Pleases describe how PCES has utilized each of the following data types in devising the VMOM scope of work: a)Pleases describe how PCES has utilized each of the following data types in devising the VMOM scope of work: a)Please in the VMOM scope of work in the VMOM scope of work in the VMOM scope of work. It illustrates of voltage data.	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. WA Cutages 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 customers 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_QG	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 PTI scope of state of the Polygons of the PTI scope of state of	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 according to the AOC polygon was developed to Identify vegetation raise but often aligned the cutage cluster data also utilized for the project. When strong signment existence of the AOC polygon was developed to Identify vegetation raise but often aligned the AOC polygon was developed. If a PSOS wey high to servee contain raising conflicted or of dired align the AOC polygon was provided to the AOC development team to understand historical Disable wind and PFD-GFW conditions at the regional level. This was additional content and stillard on a limited basis to whole the AOC polygon was pread to the AOC polygon and pread the AOC polygon was pread to the AOC polygon and pread the AOC polygon was pread to the AOC polygon and pread the AOC polygon	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_07	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 over 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 gyillion in risk posed by the tree inventory. However, based on the WDRM V3 weighted vegetation trush risk tepresents an ignition risk soor of 5,056 (440 WDRM V3 risk points *Centerprise Willing MWY callaborist backet, 14.1). This the inventory is identified to require the egisted print of the control of the program persisted since new work would be controlly added with evoluting danded with evoluting dander with evolution dander and controlled with the program persisted the controlled with the program persisted the controlled with the program p	4/14/2023	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal inventory

					1			a) Narrows 21052216				
157	CaiPA	Set WMP-15	CalPA_Set W	MP-15	8	CalPA_Set WMP-15_Q8	PGAE states in its response to Question 3 (h) of CaliAdvocates-PGE-2/223/MRP.08 that "The Wildfire Data Risk Model (WDRM) v5 was utilized to prioritize nine CPZs for the VMOM program." a)Please provide the CPZs that were prioritized for the VMOM program. b)Plow was the WIRMAN v5 mode utilized in prioritizing the nine CPZs? c)What risk threshold, or other criteria, was used in prioritizing the nine CPZs?	Margain Hill 2111MR388 Lauries 1111200 Templeton 2110901690 Big Basin 11010720 Silverado 21005600 Belleton 21005600 Belleton 21005600 General 2005600 General 2005600 General 2005600 Belleton 21005600 Belleton 210056000 Belleton 210056000 Belleton 210056000 Belleton 2100560000000000000000000000000000000000	4/14/2023	8.2.2.3	Vegetation Management and Inspections	VM for Operational Miligations
158	CaiPA	Set WMP-15	CalPA_Set W	MP-15	9	CalPA_Set WMP-15_Q9	PG&E states in its response to Question 3 (f) of CalAdvocates-PGE-2023WMP-08 that "PG&E will utilize EPSS Outages Exter of Condition (ECC) patricts to identify and generate additional tree work throughout the year. Additionally, EPS outage data will be utilized in the scope of work development for the following year. Please provide the time Stame or date when PG&E would plan to complete the additional tree work that is generated throughout 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 tong 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 IMDRI to the effective lines and will be mitigated within 20 business days.	4/14/2023	8.2.2.3	Vegetation Management and Inspections	VM for Operational Mitigations
159	CaiPA	Set WMP-15	CalPA_Set W	MP-15	10	CalPA_Set WMP-15_Q10	PORE states in its response to Question 4 (e) of CalAdvocates-POE-2020WIN-08 that First ACCs are prioritized using WIDRAM. The flow pilet ACCs selected for 2020 incorporated additional reviews from the VM Execution Operational Team to select appropriate regional areas to inform the programs development." splesses describe how the Pilot ACCs were prioritized using WIDRAM.3 Splic reviews from the VM Execution Operational team change the WIDRAM-Generated prioritization? If so please describe how.	a) WCRMAN vegetation accres were aggregated at the ACC level for each circuit segment within ACC polygon boundaries. The residing WCRMA aggregated scores were exceepage of ACC, level pio a rainfering within was used to prioritize ACCs. The piot ACCs were selected among the top 25 rainferid ACCs. Plot ACCs decided in process the selected for the piot and selected for the piot and the selected for the piot and selected for ACCs are selected (2 (Napa County), 5 (Black County), 6 (E) Donack County) and 15 (Caliwarea County), were selected for piot (W.R.M.) These selected on or of directly follows of the WCRMAN rainfering from the Selected for piot to the piot piot of the regions with different vegetations (per so begond to resident with sufficient vegetation) gets to support to tracker program every investigation of the piot of th	4/14/2023	8.222.5	Vegetation Management and Inspections	Focused Tree Inspections
160	CaIPA	Set WMP-15	CalPA_Set W	MP-15	11	CalPA_Set WMP-15_Q11	POEE states in its response to Cuestion 4 (g)() of Califorhosate-PCE-2022/MMP-08 had the scope of work for Focused The Respection pilos is to Califorhosate-PCE-2022/MMP-08 had been compared to Compile to Accuse the inspection pilot group of control of Compiled a Pousset the Inspection pilot group of Califorhosate PCE-2022 had been control to Califorhosate PCE-2022 had been controlled and individual feet conditions. The office of Califorhosate PCE-2022 had been controlled and se intended to Inform detailed SOW during the regional implementations. Just a possible controlled and se intended to Inform detailed SOW during the regional implementations are controlled to the PCE-2022 had been controlled to the PC	a) With a goal to identify regionally variables AOC to pitch the initial programs the four AOCs were sected (See response to Disconsist 100). The 300 miles represents approximately (Vific of the overall proximate AOCs available for 2023 and an intended to yield the tearings needed to support and inform future work plans. 2023 and an intended to yield the tearings needed to support and inform future work plans. 2024 and a support and information work plans are supported to the plans of the plans are supported to regify and procedure work for the reset that require miligation to reduce outgate risks between inspection cycles. 3) PGCRES tentrolly regionally diverse and composed of variable towest and stand condition in proximity to assets. It of tentrolly to a seed of the plans of the pl	4/14/2023	8.2225	Vegetation Management and Inspections	Focused Tree Inspections
161	CaIPA	Set WMP-15	CalPA_Set W	MP-15	12	CalPA_Set WMP-15_Q12	PG&E states in its response to Question 4 (h)(i) of CalArivocates-PGE-2023WMP-08 that "White inspection tools and data collection are expected to be standardized at its articipated that more regional guidance will utilize historical outage data to help us bleetedly problematic the sepaces and faulture modes and alle conditions to support the properties of the sepaces and faulture modes and size conditions to support and the properties of the sepace of the properties of the pr	a) The following clarifications are to provide more detail on what 'more regional guidance' is intended to accomplish of Coultance associated with book sittlificated and collected are represented to be statisfication of the FTF programs and ADCs during the initial pilots. The cuttage, species and the fall building the initial pilots are considered by the strength of the Statisty power. The data is not instanced abuseness, some of which may be unique expected by the review of which may be unique. Learnings from the pilot will better inform if unique regional guidelines can improve the program and standardize its execution. Examples of regional factors that could impose of gening unique unique more intended altone includes Couldad altone includes Couldad altone Area and a Translations or intended where California Foreit Practice foliale supply, in areas such as these, there may be limitations or restrictions, limited operating Periods, and be intiguished to seed on the regional factors. An extended and the properties of the regional factors, environmental exceptions and extended and the properties of the supplies of th	4/14/2023	8.222.5	Vegetation Management and Inspections	Focused Tree Inspections
162	CalPA	Set WMP-15	CalPA_Set W	MP-15	13	CalPA_Set WMP-15_Q13	PGAE states in its response to Question 4 (i) of CalAdvocates.PGE-2023WAP-06 that "Pass or Fall oriteria is not anticipated for the FTI program. FTI will use TRAQ Cestified Aborists to perform inspections and prescribe work based on alle and the specific conditions. Some trees will be trimmed and other will be removed to address associated risk between inspection cycles." Please provide all oritinal that PGAE will employ to determine tree trimming and removal, including the abovementioned "site and tree specific conditions".	Level 1 impections are to be performed during patrios. Sike specific and tree specific conditions will help impection in determine when Level 2 impections are needed to determine if a the erest to be completely enrowed of trimmed to mitigate intiks between impection cycles in the ADC. Guidance provided in the Californa Power Level Fire Prevention Level Coulties (Level Coulties) and Californa Power Level Fire Prevention Level Coulties (Level Coulties) and Californa Power Level Fire Prevention Level Coulties (Level Coulties) and Californa Power Level Fire Coulties (Level Coulties) and Californa Coulties are for Level Coulties (Level Coulties) and Californa Coulties (Level Coultie	4/14/2023	8.222.5	Vegetation Management and Inspections	Focused Tree Inspections
163	CalPA	Set WMP-15	CalPA_Set W	MP-15	14	CalPA_Set WMP-15_Q14	PG&E states in its response to Question 6 (f) of CalAdvocates-PGE-2023WMP-08 that "PG&E has performed lab testing which has shown DCD is able to detect and de-energize downed conductors reducing ignition risk where itsallaed." a)Please elscribe the methods, scope, and findings of the abovementioned lab testing, including reports, etc.	a) DCD bit betting was formally conducted at ATS in 2022 to wisitate DCD effectiveness to detect and de-energize downed conductors, as well as calibration in toxollenboring, humps, mainterance, and desuging. The tests were designed to minich high impedance fault conditions experienced in the system such as a tree resting on energized conductor, or an energized conductor by one on concrete, and various fine fields. These tests successfully demonstrated that DCD was able to detect the high impedance that condition and de-energize high impedance but the condition of the condition of the state of the condition of the state of the condition of the c	4/14/2023	8.2.3.4	Vegetation Management and Inspections	Fall-in Mitigation
164	CalPA	Set WMP-15	CalPA_Set W	MP-15	15	CalPA_Set WMP-15_Q15	PGSE states in its response to Question 17 of Cald-invocates PGE-5023/MMT-08 that: "Should a program fall below a 95% pass tree, 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 stans".	A Catch Back is a recovery plan developed when project milestones are off-track. The Catch Back Plan is developed by the project owner with stakeholders, and includes the specific problem, counter measure(s) to date, raised issue date, single closure date, counter measure and shall be considered to the counter product of the counter product o	4/14/2023	8.2.5	Vegetation Management and Inspections	Quality Assurance/Quality Control
185	CaPA	Set WMP-15	CalPA_Set W	MP-15	16	CaIPA_Set WMP-15_Q16	PG&E states in its response to Question 13 (parts a, b. and c) of Calvidrocates-PGE:2023WMP-08 that: improved quality verticals have been established for 2023, allowing for greater insight into overall VM work product throughput and risk identification/mitigation. Clear definitions of acceptance criteria, sampling methodology, population enjelbility, and sear risk calculations were established and communicated across the VM alphase define the term improved quality verticals: 3)Pleases letter describe the "greater insight into overall VM work product throughput and risk identification/mitigation* that was provided by the improved quality verticals: 10 per letter in the product of the intervent quality verticals organization prior to beginning 2023 audits*: 1.4 Exceptance cellification of the product throughput and risk identification/mitigation* 1.5 Exceptance cellification of the product throughput and risk identification in 1.5 Exceptance cellification of the product throughput and risk identification in 1.5 Exceptance risk cellification of the product throughput and risk identification in 1.5 Exceptance risk cellification of the product throughput and risk identification in 1.5 Exceptance risk cellification of the product throughput and risk identification in 1.5 Exceptance risk cellification of the product throughput and risk identification in 1.5 Exceptance risk cellification of the product throughput and risk identification in 1.5 Exceptance risk cellification of the product throughput and risk identification in 1.5 Exceptance risk cellification of the product throughput and risk identification in 1.5 Exceptance risk cellification in 1.5 Exceptance ri	al Quality Control * Quality Assurance were implemented as complimentary layers of defense against deficiencies. The "improved quality vericials" mean that PGEA has implemented complimentary layers of protection (west choses model) to ensure salely, compliance and continuous improvement. salely, compliance and continuous improvements of the compliance and vegetation Control HFTD) a complementary layers (every protube-Quality Control-Quality Assurance) has been established. or This year, PASES QMS has designed standard work tools and practices that ensure there are clear and applicable fundamentals will also PASES to consistently deliver sale and compliant results in addition to early destification of improvement opportunities. It is destinated to the protunities of the protunities. It is destinated that the protunities of the protunities of the protunities of the protunities of the protunities. It is destinated that the protunities of the protunities of the protunities of the protunities of the protunities. It is destinated that the protunities of the protunities of the protunities of the protunities. It is destinated to the protunities of the protunities. It is a protunities of the protunities. Protunities of the protunities of the protunities. Protunities of the protunities of the protunities of the pro	4/14/2023	825.1	Vegelation Management and Inspections	Quality Assurance and Quality Verification
166	CaPA	Set WMP-15	CalPA_Set W	MP-15	17	CalPA_Set WMP-15_Q17	POLE states in its response to Question 17(a) of Califorciates POES, 2021/MIA-28 that *For Routine and Second Partic / ROES does not currently have admindred seporation for high-risk apposeds. Del this openies plays will be incorporated into Focused Ties Respections pilots in 2023. POES states in its response to question 17(b) that Development of any standards related to high-risk species is all Being determined and confingent upon completion of PT ipilots in 2023. A determination will be made specific to high risk species and application of PT ipilots in 2023. A determination will be made specific to high risk species for routine and second patient? SilVity does POESE conty me standards specific to high-risk species for routine and second patient? SilVity does POESE conty me standards related to high-risk species of a routine and second patient? Ciption or POESE evaluation for the poet standards or related to high-risk species? Ciption or POESE control that the standards for high-risk species? SilVity description is being used and/or consisted? If It POESE undertaking independent third party review, peer review, or some other method to provide independent assurance of their proposed standards? Ciption of POESE undertaking independent third party review, peer review, or some other method to provide independent assurance of their proposed standards? Ciption of POESE undertaking independent third party review, peer proview, or some other method to provide independent assurance of their proposed standards? Ciption of POESE undertaking independent third party review, peer proview, or some other method to provide independent assurance of their proposed standards? Ciption of POESE undertaking independent third party review, peer proview, or some other method to provide independent assurance of their proposed standards?	a) Species is just one factor of many that PO&E take is into account to reliably identify the higher inik trees. These standards during routine and second patrol inspection register than the properties of the require mitigation per PPCL203 and COO6 Rule State Stat	4/14/2023	8235	Vegelation Management and Inspections	High-Risk Species
167	CaIPA	Set WMP-15	CalPA_Set W	MP-15	18	CalPA_Set WMP-15_Q18	POSE states in its response to Question 15 of Calchivocates-POSE_00039MR198 that "The Quality Management base has aligned on setting target pass rates at 88% for Failed Quality Cartion Active Observation Programs for the following one vegetation management programs: Routine Distribution, Second Patrol Distribution, Vegetation Cortrol, and Routine Transmission." Please state the basis, provide the method, and supporting documentation for the abovementioned 85% target pass rate.	Seals for deciding on the 89% larger —PGAE decided to Lillia Crit 2023 data to establish a baseline target pass rate as pass rates were not calculated in previous years. Performance for 01 2023 data shows an everage pass rate of approximately 89% for Routine Statisticum, Second Patrio Calculation, 1944 deciding Control within the 1944 personal for which were the prevention for which were the three programs for which he when data. Method for calculating the method of the Routine Transmission. —Pass Rate 1- Total Passaria represented For Circlad and Conformance Altributes divided by (Total responses for Critical and Conformance Altributes minus HA responses) —Supporting Documentation for calculating the method is provided in the attachments: "WMP-Discovery2023, DR, Calculativocales, 015-001844c01 docs" and VMP-Discovery2023, DR, Calculativocales, 015-001844c01 docs of VMP-Discovery202	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)Pleases update this table to include the actual and forecast costs for each EVM Transitional Program, including: 110,000 for the transitional Program, inc	In Presence are the unclined side of which includes forecast coals for each EVM transitional program. These programs waver and stell with 1002 therefore schald costs are not evaluable. ACT FCST FCST 2002 2003 2004 Tree Mortality \$ 100,129 \$ 100,817 \$ 98,112 EVM \$50,007 FMA WARD AND \$1,93.57 \$ 155,396 WM for Operational Misigations \$2,2455 \$2,287 The Removal thereby \$5,048 \$5,275 FCOLUMN FOR THE PROGRAM AND	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 jatemed worked date for individual trees and are unable to provide the data at this time." DUCHES PGES plan to develop a source for tracking jatemed 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 numerals, 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 PSPS 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 (Safety Policy Division)	003	CPUC - SPO (Safe) Disease (Section 2)		CPUC - SPD (Safety Policy Division)_003_04	A Based on WSPS initial review of the wildline ignitions and general understanding of PG&E's undergrounding program. It appears that undergrounding would have prevented only 87% of CPUC-reportable igniforis in the HFTD area between 2020-2022 primarily due to the impact of accordary and service conductor igniforms. In HFTD area between 2020-2022 primarily due to the impact of accordary and service conductor igniforms. White Sealey (cap copy) the conductor of the	SIT IN BILL 2022 YARDY PARKED BY DOCES, WE INTOMOSE AND TRANSPORTED THE AND TRANSPORTED THE SERVICE AND TRANSPORTE	4/19/2023	8,122	Grid Design and System Hardening	Undergrounding of Electric Lines and lor Equipment – Distribution
177	CPUC - SPD (Safely Policy Division)	003	CPUC - SPO (Self-Policy Division)_0	y 3 5	CPUC - SPD (Safely Policy Division)_003_05	S.Regarding the UG workplan table provided by PG&E, 2023-05-27, PGE, 2023, WMP_R0_Appendix D.ACI PG&E, 22-16, Authol 1, COMF Afec. Why does Cautinn "O'Tests Rank (V2)" begin at Rank 7 (as opposed to 1) for circuits? s.Why do the gaps in rank 1-14 exist? s.Why does Cautinn "T'rissk Rank (V3)" begin at Rank 6 (as opposed to 1) for circuits? I.Why does Cautinn "T'rissk Rank (V3)" begin at Rank 6 (as opposed to 1) for circuits? I.Why does Cautinn "T'rissk Rank (V3)" begin at Rank 6 (as opposed to 1) for circuits? I.Why does the ed at 32337 I.Why do the gaps in rank 1-14 exist?	It meet an extend primary instancts way are tank around to ober that congrit an It meet are treated primary instancts way are tank around to ober that congrit an It can be contained primary that the risk standard of the contained to t	4/19/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-16 – Progress and Updates on Undergrounding and Risk Prentitation
178	OEIS	002	OEIS_002	1	OEIS_002_01	a last SGEL sets to the flags of the Species study, to userfly additional clearances for and begin inventory of severe with the set of the set	In No. PCAE has not used its Targeted Tree Species study to identify additional clearance for inventory of trees with the highest growth and highest shake potential and there is currently no plan to begin such an inventory. The Targeted Tree Species Study (TTSS) off not recluded in its beighest way navalyse of tree growth rates or make any recommendations on clearances to be obtained at time of tree pruning. 8. PCAE does not not were a plan to petion the supplies at the Study. 8. PCAE does not not were a plan to petion the supplies and supplies of the service of the supplies and supplies the review of the supplies and supplies the supplies of t	4/18/2023	Appendix D	Areas for Continued Improvement	ACI PG&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 PGAE choose to use the American National Standards institute (ANSI) A-300 tree risk in the PGAE choose of the Assessment Tool (TAT) for Focused Tree happeclosm? Include a comparison of the benefits and drawbasks of ANSIA-300 and PGAE's TAT;	a) The minimum qualifications for an inspector performing the tree-risk assessment for the Focused Tree haspection is a Tree-Risk Assessment Qualification (TRAO) brough the International Society of Arboriculture (FSA). We will utilize the Hermiterial Society of Arboriculture (FSA). We will utilize the Hermiterial Society of Arboriculture (FSA) with the Hermiterial Society of Arboriculture (FSA). We will take the Hermiterial Society of Arboriculture (FSA) Arboric	4/18/2023	82225	Vegelation 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 parsuant to the accompanying confidentiality declaration. a. Please see attachment "WMP-Discovey/2223 JPR, OEIS 002-00034cbid CONF-prif for an unrelateded version of our CERP. Please see attachments "WMP-Discovey/2223 JPR, OEIS 002-00034cbid CONF-prif and "WMP-Discovey/2223 JPR, OEIS 002-00034cbid CONF-prif and "WMP-Discovey/2223 JPR, OEIS 002-00034cbid CONF-prif for our unrelated Wildfire Annex and PSPS Annex, presentively."	4/18/2023	8.4.1	Emergency Preparedness	Overview

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181	CEIS	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. In the page 570, PICAE references the maintenance for their weather stations and calibrations preformed to "our standards" and the standards. In the page 570, PICAE references the maintenance for their weather stations and calibrations preformed to "our standards" and the page 570, PICAE references the maintenance of the calibrations accompared to the maintenance preformed on each station. It is throwfor the business of stations that are serviced annually over the past 3 years, and the maintenance preformed on each station. It is throwfor the business 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 materiaement of periode seed backed and 2009. 80 and of 905 acts who provides guidance on calibration and materiaement openions were not able to be exerced due to External Factors such as 120 and 120 and 120 acts of 13 is 6 acts on a 2022. The remainder of these stations were not able to be exerced due to External Factors such as considerer release, servicemental-concern settled refusals, weeker condition, and selfsy issues. We are usuable to provide the historical maintenance performed on each station but an able to the secretary and the service of the station of the secretary	4/18/2023	8.32.1	Situational Awareness and Forecasting	Existing Systems, Technologies, and Procedures
182	OEIS	002	OEIS_002	5 QEIS_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, PGSE only includes additional information for distribution protective devices. What program(e) does PGSE currently have for system automation equipment at the transmission level?	As indicated in Section 6.18.1.2 of the 2023-2025 WMP, on the transmission system, sale rectioning is deathed for the entire weldine excession when the PF printing maches R3 or greater, in addition, in Section 9.21, we explained flow our Transmission Asset Health Specialist reviews be system to identify if there are low impact lines that do not meet our PSPS scoping orderina (e.g. Specialist reviews be system to identify if there are low impact lines that do not meet our PSPS scoping orderina (e.g. Specialist reviews be system to identify in the source of the system 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 OEIS_002_07	a Drovide a definition for PGAES, "Colled Pleas Rate" for its sesse imprection QC, as shown in Table PGAES-22-21. 1. The should include crites for what qualifies as "critical" including any risk thresholds, associated equipment-pleas, or client regional determination. b. Does "Critical Pleas Rate" differ from the "CAI Review HFTD Pleas Rate" provided in Table RN-PGAES-22-08-05 in response to Critical base RN-PGAES-20-06 (if) if ind., extend from the the following the provided of the provided in Table RN-PGAES-22-08-06 (if) if ind., describe how the three controls are controlled in Table RN-PGAES-22-08-06 (if) if ind., describe how the three controls are controlled in Table RN-PGAES-22-08-06 (if) if ind., describe 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 Caucher prices a force and the incut the inverse of "OC Review HFTD Failure Raid." The extension of the incut attributes and extension of the incut attributes and extension of the incut attributes and extension of all errors within the OC review checklist, not just Critical Althributes. "OC Review HFTD Failure Raid* is the examber of reviews completed by OC that when all east one OC Infining divided by the Infant marbier 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-2-06 Better Application of Specific Lessons Learned from Utility- Caused Fires
185	OEIS	002	OEIS_002	6 OEIS_002_08	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 of the control of th	4/18/2023	Appendix D	Areas for Continued Improvement	ACI PC&E: 22-08 Better Application of Specific Lessons Learned from Utility-Caused Fires
188	OEIS	002	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 PG&E-22-32 – Updates on EPSS Reliability Study
187	OEIS	002	OEIS_002	10 CEIS_002_010	a. Brouch an Excel sheet listing all exot corters closed by PGAE in 2022 billowing the same format and information as Tuble 13 of the DGR, with the additional columns: I.Date the work order was closed in PGAE and PGAE and PGAE and PGAE and PGAE and PGAE principle. As E. H. and F. III. III. Whether or not the infraction sixon-Pole or PGaE as a "ignition-Risk HFTDHFRA" lag is Whether the infraction is Non-Pole or PGAE and PGAE pGAE and PGAE and PGAE and PGAE and PGAE and PGAE pGAE and PGAE pGAE and PGAE pGAE and PGAE pGAE pGAE and PGAE pGAE pGAE pGAE pGAE pGAE pGAE pGAE p	and the resident restory. In Please see the "Blobd 13 - Closed" tab in attachment "WMP" Discovery2022_DR_OEIS_002-Q010Act01.sts." for the respected in Technic 19 - Closed Technic 19 - C	5/9/2023	8.1.7	Open Work Orders	N/A

		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 period critical segments based on the 2022. The primary approach for selecting undergrounding flexibility, Both approaches used to select undergrounding projects segments based on the 2022. Represent approachment (YWR-Discovery2022, DR, TURN, DG. Please see attachment YWR-Discovery2022, DR, TURN, DG. Please see attachment YWR-Discovery2022, DR, TURN, DG. Coroll Additional to the WWR-Discovery2022, DR, TURN, DG. Coroll	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 is focused 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 overhead primary distribution powerfries. This is compared to lower fortige secondary distribution in sever connections and high voltage transmission lines. At this time, we are not undergrounding lower voltage secondary lines and high voltage transmission into exceeding the secondary distribution in several connections and high voltage transmission into exceeding the secondary lines are served organized to address risk him most classes overhead lower voltage secondary lines are device dops will result in a benefit pain of or constructibility. We will overhead indeed the program of the program	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 it is apposed to Tribuild indepreparating) as that term as used in PCASE's VMBF (see, e.g., Table FCASE, 13.2 or page 35T) please provide PCASE. It set 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 promay line removed. Our larget undergrounding miles bet 2005-2006 is 2.100 miles. Using the estimated conversion rate, the overhead primary lines only. The intermediate conversion rate, the overhead primary lines only. The intermediate in conversion rate, the overhead primary direct only. The intermediate in conversion rate of the overhead primary lines only. The intermediate in our studies for secondary and service lines. As described in TURNI_005-0004, at this time, we are not undergrounding lower voltage secondary lines or service dupps in address rate. It most case overhead lower voltage secondary lines and service dips as will entire the conversion of the co	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 PGSE-81-2 to page 347 of PGSE-2023-2025 WINP. a For each year, please provide PGSE'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	CaPA	Set WMP-16	CalPA_Set WMP-16	2 CalPA_Set WMP-16_Q2	Regarding PGAE's Load Break Eboxe: a) Prease explain PGAE's operating procedure for operating a load break ebox in a vault to energize or de- energize a circuit or circuit segment. b) Please provide PGAE's willies procedure or other documentation related to your response to part (a). b) Please provide PGAE's willies procedure or other documentation related to your response to part (a). c) Please provide aboves elbow that is mornally in a closed position, the circuit semiperal is extruet for load closed position during switching. b) Please explain in existal PGAE's operating procedure from start to finish of the following operation: after closing as circuit segment via a load break ebox that is normally in an open position, then the circuit segment is returned. Us in normally open position during switching.		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 CaPA_Set WMP-16_Q3	Regarding PCAE's Junction Boxes: a) Presse explain in detail PCAE's operating procedure for operating a junction box in a vault to energize or desenergize a circuit or circuit segment. b) Presse provide PCAE's written procedures or force documentation related by your response to part (a). b) Presse provide PCAE's written procedures are rolled to invite. Or a floride process consistent or tended to your response to part (a) closely a president with a floride process. For example, the force of closing presentation, when closing a circuit segment is a punction box that is normally in an open position, the circuit segment is returned to its normally open position, the circuit segment is returned to disear go actual segment via a junction but has to make your segment via purpose to that an omnially in a dosed position, the circuit segment is returned to its remaily closed position during switching.	The confidential attachments are being provided pursuant to the accompanying confidentially attachments are being provided pursuant to the accompanying confidentially according to the providential provident and provident and providentially according to the provident and provident provident and provident and provident and provident and provident provident and provident and provident providential pro	4/21/2023	8.1.2.10	Grid Design and System Hardening	Other Grid Topology Improvements to Minimize Risk of Ignitions
199	CaPA	Set WMP-16	CalPA_Set WMP-16	4 CaPA_Set WMP-16_Q4	Phase explain PG&E's selection criteria for where to install the following equipment on underground circuits: a) SCADA IIC switches b) Junction bows c) Load break elbows	a) ECNA receiptored subclases are spicially only installed at maintine interaction. The Sway ECNA subclass the beautiful of the search all forms of the subclass of the subcla	4/21/2023	8.12	Grid Design and System Hardening	Officer Grid Topology Improvements to Minimize Risk of Ignitions
200	CaPA	Set WMP-18	CaiPA_Set WMP-16	5 CaPA_Set WMP-16_Q5	Please explain PG&E's selection criteria for where to install the following equipment on underground circuits a) Pad-mounted transformers 1) Subsurface transformers	a) PGGET is standard is to install goed-mounted transformers on underground circuits where than shore the responsibility of the control of th	4/21/2023	8.122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
201	CaPA	Set WMP-16	CalPA_Set WMP-16	6 CulPA_Set WMF-16_Q6	For each of the undergrounding projects that PG&E has planned for 2023, please answer the following questions on each project: a) How many SCADA underground switches will be installed? b) How many owneds switches will be enmowed? c) How many the switches to adjacent circuits currently exist? c) How many the switches (b) adjacent circuits currently exist? c) How many is existed to provide the commond? d) How many SCADA underground switches will be removed? d) How many SCADA underground switches will be removed? d) How many SCADA underground switches will be installed as se points to adjacent circuits? d) How many SCADA underground switches will be installed for sectionalizing? d) How many SCADA underground switches will be installed? 1) How many such consider furnationers will be installed? 1) How many such consider furnationers will be installed? n) How many such consider furnationers will be installed? n) How many function boses will be installed? o) How many location boses will be installed? o) How many location boses will be installed or sectionalizing? o) How many location boses will be installed or sectionalizing? o) How many location boses will be installed or sectionalizing? o) How many location boses will be installed or sectionalizing? o) How many location boses will be installed? 1) How many location boses will be installed? 1) How many location will be installed?	PCSE 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 process hundred 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 thee to reach out to us.	4/21/2023	8122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment

201	CaPA	Set WMP-16	CalPA_Set WMP-16	6 SUPP	CaIPA_Set WMP-16_Q6 SUPP	For each of the undergrounding projects that PG&E has planned for 2023, please answer the following questions on each project: on each project: I have a support of the project of the p	Institute the control of the control	5/2/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
202	CalPA	Set WMP-16	CalPA_Set WMP-16	7	CalPA_Set WMP-16_Q7	For each of the undergounding projects that PGSEA has planned for 2004, please answer the following questions on each project. 3) How many SCADA undergoround switches will be installed in each circuit. 3) How many SCADA with the control of the switches of the second of the switches to adjacent circuits will be removed? 4) How many SCADA undergound switches ob adjacent circuits will be removed? 5) How many SCADA undergoround switches will be installed as the points to adjacent circuits? 5) How many SCADA undergoround switches will be installed for sectionalizing? 6) How many SCADA undergoround switches will be installed? 7) How many SCADA undergoround switches will be installed? 8) How many SCADA undergoround switches will be installed? 9) How many sucretion boose will be installed? 1) How many signation boose will be installed? 1) How many signation boose will be installed? 1) How many signation boose will be installed? 2) How many signation boose will be installed for points to adjacent circuits? 3) How many signation boose will be installed for specific controllar? 3) How many signature base elections will be installed on separate signature of circuits? 3) How many signature base elections will be installed on separate signature of circuits? 3) How many signature signature is suitabled or separate signature of circuits? 3) How many signatures will be installed?	PG&E cojects to this request as overbroad and unduly burdensome. We do not maintain the requested information in a marker that allows it to be aggregated without a manual review of each project sengineering and construction collecting the data across handreds 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 fee to reach out to us.	4/21/2023	8.122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
203	CaPA	Set WMP-16	CalPA_Set WMP-16	8	CalPA_Set WMP-16_Q8	8.1.2.3 - Distribution Pole Replacements and Reinforcements Page 352 of PGAEs WMPP attacks, "Pole replacement and reinforcement reduce outlage likelihood which decreases the factors of the seate being impeaded in fallura PSPS events. These programs also support public Pleases provide the average, median, minimum and maximum age of poles that PGAE: 3) Replaced in 2020 3) Replaced in 2020 9) Replaced in 2021 9) Replaced in 2021 9) Replaced in 2021 9) Replaced in 2022 9) Replaced in 2022 9) Replaced in 2022	## IT HE WORDING THE COLOR OF T	5/5/2023	8.123	Grid Design and System Hardening	Distribution Pole Replacements and Residurcements
204	CaPA	Set WMP-16	CalPA_Set WMP-16	9	CaPA_Set WMP-16_09	8. 1.2.10 - Other Grid Topology Improvements to Minimize Risk of Igritions 9. 1.2.10.1 - Oswerd Conductor Detection Devices 1.2.10.1 - Oswerd Conductor Devices of the Second Conductor Device Research Second Conductor Representation of the CPUC reportable ingritions in the Top Device Conductor Representation of the CPUC reportable ingritions in HFTD That occurred in 2022 white EPSS was also Epsilan the second Conductor Representation of the CPUC reportable ingritions in HFTD That occurred in 2022 white EPSS was also Epsilan the section go on EPSS was also be enough and the CPSS of the	SI White EPSS has proven to be highly effective in lowering the incident energy during traditional faults and associated potential giritions, reliable detection, and dis interguization of high impedance fault conditions continues to a gap that we are working to close. A part of EPSS, we despide an expensive set of toward, not interesting an expensive and to ward, not interesting an expensive and to ward, not extend any other production strategies like CDD that are being explored to allow for every greater sensibly, detection, and distribution of high impedance fault conditions. In addition 1509 impedance fault conditions are supplied to the condition of the co	4/21/2023	8.1.2.10	Grid Design and System Hardening	Other Grid Topology Improvements to Minimize Risk of Ignitions
205	CaPA	Set WMP-16	CaliPA_Set WMP-16	10	CalPA_Set WMP-16_Q10	Please provide an Ecod sheet listing each circuit (in its own row) that had circuit outages that occurred from 2002 han yell Thor area. Acitat oldage is when the Substance circuit breast point and cerearize the circuit due to a fault. For each circuit with an outage, the Ecod sheet should last each Circuit Outage as a row. Please provide the Ecolosing additional information (in oclumns): b) The date of the outage: c) Econ and equipment fault and expected control of the economic properties of failure (i.e. OH transformer failure, overload, of the outage control in minutes. f) The outage duration in minutes. f) The total number of customers impacted. g) If all or part of the circuit is currently outageounded, provide the date that CH to UG conversion was completed on the UG conversion propect.	In To Ir authorized authorized to the undergradining information in response to sussections. Gato in a cased on me undergrading underplants submitted in the 2023-2025 WMP. It is a common to the com	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 will be undergrounded in 2024. 2) Provide the average peak load to circuit ampacity in percent from 2020 to 2022 for the circuits that will be undergrounded in 2024. 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 all adjacent circuits to the circuits that have for 104 U.S convenient projects in 2024. S) Provide the average peak load to circuit ampacity in percent from 2020 to 2022 for all adjacent circuits to the Circuits that have for 104 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 enciples assimitted 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. - Objectseculity (Netto 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 - Capitalics, EMER-3007M - Capitalics, EMER-3007M - Canal Estry Annex, EMER-3007M - Own Entry Annex, EMER-3007M - Younder Contraction, EMER-3007M - Younder Contraction, EMER-3007M - Yound Centraction, EMER-3007M - Physical Thread Annex - Physical Thread Annex - Canal Estry Annex - Canal Estr	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. Description PGES have internal After-Action Reports (or similar post event reports) for both actual and potential PGES events that offer from reports fired with the CPUC71 if as, 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 (Baseling MBI), customers, with approximately 1,100 CBOs and services of the provides of the provides of the province of the	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-Booxee/pi223 DR, CBIS 303-00054cbid10CDNF and for the following survey questionnaires and securities summarise for survey regarding collectars effectiveness and general customer swareness of PSPS. 2021 [PSPS Pse-sessence Calcelonaire and Escucitive Summaries; 2022 [PSPS Dutreach Calcelonaires and Escucitive Summaries; 2022 [PSPS Dutreach Effectiveness Questionnaire and Escucitive Summaries; 2022 [PSPS Pse-Sessenc Questionnaire and Escucitive Summaries; 2022 [PSPS Questionnaires] 2022 [PSPS Questionnaires] 2023 [PSPS Questionnaires] 2024 [PSPS Questionnaires] 2025 [PSPS Questionnaires] 2026 [PSPS Questionnaires] 2027 [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: I. WME-Discovery/2023. CaleAccustes, IOS-0001 II. WMS-Discovery/2023. CaleAccustes, IOS-0007 III. WMS-Discovery/2023. CaleAccustes, IOS-0017 III. WMS-Discovery/2023. CaleAccustes, IOS-0010 III. WMS-Discovery/2023. CaleAccustes,	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. Galdwoodses. 2002-0001 April CONF pdf WMP-Discovery2022 D.P.C. Galdwoodses. 2002-0001 April CONF pdf WMP-Discovery2022 D.P.C. Galdwoodses. 2002-0001 April CONFIDENTIALITY CONFIDE	4/26/2023	7	Wildfre Miligation Strategy Development	N/A

						THE CONFIDENTIAL MATERIAL IS BEING PROVIDED PURSUANT TO THE ACCOMPANYING CONFIDENTIALITY DECLARATION.				
223	CEIS	003	OEIS_003	9 OEIS_003_09	Regarding PC&E's Asset bispection Program a. Provide the imprecion checklish used for portPC&E a prior is and destated imprecions. b. PC&E allows a timple destinate specified by to impret width or like specific terms, identify which items within 6 checklish this applies to, particularly if such differs from standard GO 95 inspections. c. On average, how many detailed inspections are completed by inspectors per day?	Data/bution hapection Program a private from the Commission of the Commision of the Commission of the Commission of the Commission of the	4/26/2023	8.1.3	Asset Propections	N/A
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 data). b. Power of the sist of all light and engineent captured within PG&E's asset inventory. c. Provide a sist of all light and engineent captured within PG&E's asset inventory. d. Provide an estimated percentage for the amount of assets missing from PG&E's asset inventory. d. Provide an estimated percentage for the amount of assets missing from PG&E's asset inventory.	As bounded in sociality. In JAMEN Management and Imperior Committee Systems (s) of PAGE 2 2023 2025 WIN PAGE uses severed asset inventory of databases. Coopgraphic biformation Systems (105) is the primary system or forcord databases. Coopgraphic biformation Systems (105) is the primary system of record databases. Coopgraphic biformation Systems (105) is the primary system of record of the systems of the syst	5/10/2023	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
225	OEIS	003	OEIS_003	11 OEIS_003_Q11	Regarding PGSE's Response to P-WMP_2023-PGSE-002-007 a. PGSE states that a Critical Attribute is defined as "a condition that could lead to either an ignition point or w down shaston that could result in a potential the ignition." Provide all supporting documentation for procedure PGSE less to defermine whether something as a Critical Attribute. If such procedures do not each, PGSE must i. A description of PGSE's process for how it determines what qualifies as a Critical Attribute. It is list of the procedure of the process for how it determines what qualifies as a Critical Attribute. It is list of the process for how it determines what qualifies as a Critical Attribute. It is that does PGSE mean by "as defined by Asset Strategy?"?	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 file ignition. The determination of critical attribute was created based on discussions with multiple stank-indential file ignition. The determination of critical attribute was created that could be considered as a considered on the control of the considered as a considered on the control of the	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 Bettler Application of Specific Less-super Acid Prices Caused Fires
226	OEIS	003	OEIS_003	12 OEIS_003_012	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. Is this a program sepairs from that described within Section 1.7 of 16 WWPP 1 pp. provide the following: 1. Description and procedures in which PG&E uses to decide when and where it will perform EPSS-related 1. If Now PG&E relationate recorders to address these EPSS-related targeted equipment repairs (particularly in relation to the program described in Section 6.1.7). 18. The scale of each EPSS-related bargeted equipment repairs (i.e. number of work orders, number of CPZs b. In the attachment VMPG-Discoverp022D DR CBEs 002-0009MaND-2.5st.; targeted equipment repairs are included any and of the additional miglations being completed. Why were these not included in PGS-tail to the measure? C Provide a Giffs with the locations of CPZs scopped for additional reliability mitigations based on EPSS imp	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 priority priority priority priority priority. PCRE priority pr	4/26/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-32 – Updates on EPSS Reliability Study
227	CEIS	003	OEIS_003	13 OEIS_003_013	Regarding PGSE's Response to P-WMP 2023-PGSE-002-008 a. Provide all Enhanced sprillon analysis (EBA) reports completed for instances in which the qualifier was an EPSS protected facility. A Provide all Enhanced sprillon analysis (EIA) 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), DESE provided a fast of ignitions that were resituated partial providential pro	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	OEIS_003_014	Regarding PG&E's Fault Ramer Replacements a Provide the numbers of fault tamers PG&E has replaced by year since 2020. b Provide PG&E's targets for fault tamer replacements in 2023 and 2024, as applicable. c Provide that hashed of fault tamer developed the PG&E's All 2024 and 2024, as applicable. c Provide is number of fault tamer developed the developed propagation of the PG&E's HFTD.	B. We interpret "registed" to mean a procedure drawing of an in-service fluid tamer fuse that had not failed or operated normally four to a fault, it has //20c1, in response to our 20c2 consast evaluation of 4 apparent fault tamer failures, we published a builden from that requires replacement of the entire fuse site a fault (no re.lase of the buddup interpretation of the entire failures, we published a builden failures replacement in the extraordinary state of the entire failures were correlated with restrictions of the processors. At the time, there was a hypothesis had fault failure failures were correlated with the transformer changeouts. That hypothesis has been found to extraordinary that the extraordinary that the processor of the extraordinary that the extraordin	4/26/2023	N/A	N/A	N/A
229	OEIS	003	OEIS_003	15	OEIS_003_Q15	Regarding PG&E's 44 of its Wildfire Distribution Risk Model (WDRM) a. What is PG&E's about for review and approved of V47 b. When does PG&E' instead to sure V4 output to influence its undergrounding plan? biclude discussion on details of how this may affect PG&E's undergrounding plan. c. Provide a list of the differences and improvements being made to V4 in comparison to V3. d. 5. V4 undergraph gland-gainty review male to V2 are V37 8 so, provide a status update on the review, including expected compilation claim for the resident region.	a. The WCRMA via currently in review and validation prior to an anticipated approval in Q2 2022. b The WCRMA via the available as an injust to the underground reprogram development after approval in Q2 2022. Sepret die response provided bit ACI PCSIC 22-35, the impact to the undergrounding program—i.e., how it will be CWCRMA via and via yet been finalizate, a voe die on the real facility of the order programment and the via no comparison to V3. However, in our 2023-2025 WMP, we discussed professified changes and improvements being VCMCRM via and CT (page 213), we do not have a facility of the via the programment and programment and VCMCRMA via and CT (page 213), we do not not have a facility of the via the via the via programments. Similarly, on page 861 in Appendix B was discussed WCRMA via as part of our model development And ACI 22-30 geological scales are care closured search for the VCMCRMA via part of the review and validation model development step, the VTDRM via is currently undergrang third-party review. The first validation report is activated for Q3 2023.	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_603_016	Regarding PG&E s response to OEB Data Request 2 Question 5 Atlandment 1 a. How did PG&E defermine a miligation effectiveness of 11.8% for down conductor detection (DCD)? b. In Table 8-4, PG&E has included 2023, 2026 and 2025 targets for DCD. Additionally, in response to California and PG&E regular for DCD. Additionally, in response to DCA Additionally, in resp	a) The miligation effectiveness for foam conductor defection was based on the incremental benefit is EPSS. The miligation effictiveness was determined by reviewing the girption than documed during EPSS enablement 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 marker experience. That eview considered the fault characteristics relative to a prevented based on subject marker experiences. That eview considered the fault characteristics relative to relative the considerable from the considerable that the considerable that the considerable that the considerable considerable that the considerable	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 8.4.6 PGSE discusses "hed bagged" customers, "impacted" communities, and "impacted" customers (including cities, coursies, and that governments) in Section 8.4.6; however, definitions of such terms are not provided. a Provise a definition, as it pertains to both widifier and PSPS events in the context of Section 8.4.6, and the criteria for these groups being identified as such for. 1. "Red tagged" customers 1. "Impacted" constrainers	Red Tag For relaturi diseasers, including wildfillers, in which the Governor or POTUS declares a State of Emergency, the official definition comes from 19.407-65 (page 16). where indiseater(s) has resulted in the destruction or damage of a structure, such that utility service is disrupted voluntarily or involuntarily due to safety concerns or reconstruction, architects to address the damage from a procialment state of emergency event impacted Communities: this term was used as shorthand for all impacted counters and facilities. Interpret the communities that the control of the communities on the control of the communities on the control of	4/26/2023	8.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Emergencies
232	СаРА	Set WMP-17	CalPA_Set WMP-	7 1	CaIPA, Set WMP-17_Q1	8. "Impacted" cultomes Table 1 - Projects not pursued for Undergrounding in first 2100 miles Table 1 - Projects not pursued for Undergrounding in first 2100 miles TABLE 1 - Projects not pursued for Undergrounding in first 2100 miles TABLE 1 - Projects not pursued for Undergrounding in first 2100 miles TABLE 1 - Projects not pursued for the CRE 1 through the Seath CRE 1 has decided not to pursue Undergrounding in first 1210 miles for Us projects are compared by - Cumulative risk score for the CRE in WDRM V3 - Camulative risk score for the CRE in WDRM V3 - Total CRE (right) milest measured by rejecting the feature class in WDRM V3 is a UTM projection and - A calculated "risk per mile" or "average risk" value derived from the two previous values - VM-less 2002 WMP3 decision to which program the CRE decirage (crosses or referenced against Classifion 8 or PCES 2002 WMP3 - PCES 2002 WMP3 is decision to which program the CRE decirage (crosses or referenced against Classifion 6 or PCES 2002 WMP4 - PCES 2002 WMP3 is the critical for CRE crosses or referenced against Classifion 6 or PCES 2002 WMP4 - PCES 2002 WMP4 is the critical for CRE crosses or referenced against Classifion 6 or PCES 2002 WMP4 - PCES 2002 WMP4 is the critical for CRE crosses or referenced against Classifion 6 or PCES 2002 WMP4 - PCES 2002 WMP4 is the critical for CRE crosses or referenced against Classifion 6 or PCES 2002 WMP4 - PCES 2002 WMP4 is the critical for CRE crosses or referenced against Classifion 6 or PCES 2002 WMP4 - PCES 2002 WMP4 is the critical for critical fo	Impacted customer. The list of impacted outstomer and structure are reviewed daily, will the fire is contained. CONFIDENTIAL — Provided Phrassart to Confidentially Declaration ("MMP—Discovery/202_RC (Addiviousles 107_Confidentially Confidentially Declaration ("MMP—Discovery/202_RC (Addiviousles 107_Confidentially Declaration ("MMP—Discovery/202_RC (Addiviousles 107_Confidentially Confidentially Confiden	4/28/2023	8.122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Dark bullon
233	СыРА	Set WMP-17	CalPA_Set WMP-	7 2	CalPA, Set WMP-17_Q2	In general, identify all the factors PC&E considers when deciding that a CFZ with a targe everage risk profile or large total risk in WORM V3 should not be prioritized in PC&E's 2023 WMP project selection.	The energied WIRM Or sisk data, by prioritize for project selection. As part of the WIRE analysis, or operational efficiency, inflividual Circuit Protection 2 (CPZ) were burdled together for project selection and eleging. Once burdled together for project selection and design, Chronic project with adjusted CPZ at the associated to straight of the typical selection, and design, Chronic project with adjusted CPZ at the associated for the typical selection and design, Chronic project and the complete of the	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 Ouestion 1 on "White "Discovery 2022. DRI. CaldAhocodes, 035" has been been been projected by the project of confidential response to Acadabled "Native Discovery 2022. DRI. CaldAhocodes, 035" has been profitting uses. PG&E 2023 WMPs a decision to which program the CPZ belongs (crossed referenced against Question 6 on "PGE-2023WMPs of the project	Scalars and the control of a feet from the segment, with a relatively to will will be related by the metallively official segments, with an establiety of difficulty 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 galaxiety 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 WTRM An it kilds. It printifics for printed selection, and and the WFE and wild selection for the printification of t	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 project sources of the California	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 "riseasible"; as on in the box of the response provide as time range in morths for each of the "Key Phases" listed in the box of the response (related to the possibility that undergrounding may ultimately be determined to be "rifeasible"), and "unfessible" 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 row 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 responsibility, can be 1.27 months following release of the new advised being done in partials. The Circle 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, DEC, 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 property of the 2023-2025 period for the provided to the provided to the 2023-2025 period for the 2023-2025	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 deterioration. b) Tree connects – this content, 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 the service pole, that designed to separate setely places, and the connector of the service pole, that designed companies set of the service pole, that designed companies set of the service pole, that designed companies are the service pole of the	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 2023-2008 Undergrounding Workplain referenced on page 910 of the WMP (R1) and provided in Exos formal in response to TURN Data Request 24. a. Please register how, If all, either or both of Simplified Wildline Riak Spend Efficiency (SWRSE) and Wildline Featibility Efficiency (VFF2 values (discussed on p. 886 of the VMP (R1)) were used in developing this workplan. Present of the VMP (R1) were used in developing this workplan by the second and how such measures of the VMP (R2) of the VMP (The confidential attachment is being provided pursuant to a signed NDA with PC&E. The cross listed in Table 7.2 are the same circuits listed in Table 7.4 where additional debat is provided. The cross listed in Table 7.2 are the same circuits listed in Table 7.4 where additional debat is provided. The cross listed in Table 7.2 are the same circuits listed in Table 7.4 where additional debat is provided. The same control of the control	4/26/2023	8.122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
243	TURN	007	TURN_007	2	TURN_007_02	Regressing Table 7.2 in the WMEP. It TURN understands from Table 55 that the Overall Risk Score values in Table 7.2 are the sum of Total Ignition. Risk Score and the Total PSPR Risk Score. Please explain how these lengt values to the Overall Risk Score clotum were calculated. Please include the segulation for reveal real resultant equation(s). It find explained in response to "a", please explain how the Overall Risk Score relates to the Wildlife Mean Risk. C. Please provide. In the Explor forms, table that shows the information in Table 7.6 and IHTTO circuit segments. If PCBE has the same information for its self-identified IHTRA circuit segments, please include that information also, and indicate which circuit segments are IHTRA.	LT-D CAVEST RISK SCOR is calculated by the calculation of the Nitritor Risk and PSPS Risk scores to the caveal Relative Risk Score Risk Risk Risk Risk Risk Risk Risk Risk	4/26/2023	7.1.3	Wildfre Miligation Strakegy Development	Risk-Informed Prioritization
244	TURN	007	TURN_007	3	TURN_007_03	Regarding the System Hardening Workplan provided as Attachment 1 to the response to TURN data request 2.2 (which in hum asked for a response provided to Cal Advocates). (which in hum asked for a response provided to Cal Advocates). (so the Call Advocates was the Call Advocates) and the Call Advocates of Call Advocates was taken from a document that also included the years 2005 and 2005. Please provide the most up-boded version of this workbook that so provided. It is provided to the Call Advocates was taken from a document that also included the years 2005 and 2005. Please provide the most up-boded version of this workbook that is provided. It is uponed to the store of the circular desperted is laded as high risk in Table 7.2 of the YMMP and in the 2023-2000. At 1800 place 1000	The concentration was assumed to a recognize processor processor to a single processor processor. As a "feet in the Spales and the Committee Wither Tourney (2002 DET UNITED (2007 2000 Males)" that is the Spales and ALA-OB but includes the 2005 and 2008 forecasted miles, respectively. ALA-OB but includes the 2005 and 2008 forecasted miles, respectively. The estimated milesge completed for each year. Additionably, the complete years by plant handless and the removal will vary from the solidal milesge completed for each year. Additionably, the complete years by plant handless done the butter of the processor of	4/27/2023	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 Atlashment 2023-03-27 PGE 2023 WMP Rt Section 6.4.2 Actio11, which is referenced on page 155, fs. 77 of the WMP (Rt): a Please provide a version of this Excel workbook that includes the same information for all of PGEE's HFTD in Provided in Regarding to the Post of the Regarding to Regarding the Covered Conductor (RtG), and CoVID-10 and Co	a) Please seat attachment WMP-Discovery2022_DR_TURN_007-0002Absh1.sids. Two additional columns N.O were seat attachment WMP-Discovery2022_DR_TURN_007-0002Absh1.sids. Two additional columns N.O were large large to the columns of the large first in a cross segment do not have seamed been dealed and segment from the large first large first in report to this request. b) Please sea statisticment WMP-Discovery2022_DR_TURN_007-0002Absh1.sids. Two additional columns N.O were large first la	4/26/2023	642	Risk Methoddogy and Assessment	Top Risk-Contributing Circuits/Segments
246	CaPA	Set WMP-18	CalPA_Set WMP-18	1	CaIPA_Set WNP-18_Q1	PCAE states in response to Cuestion 1(g) of Calubrocates PCE-2023/MIF-15. Vegitation Management for Operational Mitigation (VMOM) will be primarily focused in HETD and HERA. There are instances where a circuit segment may cross in or out of HETDHERA and MMOM would complete work on the whole circuit segment including the areas outside HETDHERA. Focused The Perspections are planned complete work on the plan developed for 2022. a) is a Cornect Interpret the statement and with a minimal focused Tree hispections will take place only in HETD areas and not in HETA, please explain why. c) WI EF Councied Tree Inspections will take place only in HETD sees and not in HETA, please explain why. c) WII EF Councied Tree Inspections will salve place outside of the HETD after the year 2023.	b. All portions of circuits in targeted ACCs will be inspected with the same guidance. The areas will include HTTD. HTMPR, and milling the HTTD are inden't response a Due to be 100% compliance requirements for vegation HTMPR, and milling the HTTD are same clearance appearance with the property of the HTTD are same clearance appearance will apply in HTRAR If it is in areas within ACC LT is not been dearling. The HTTD applied cubries HTTD and HTRAR mitting you have executed partnership or dusing the HTTD and HTTRAR mitting you be locationed to the most applied cubries HTTD and HTRAR mitting you be locationed to the most applied and the HTTD and HTRAR mitting you be locationed to the most applied and the HTTD and HTRAR mitting you be locationed to the most applied and the HTTD and HTRAR mitting you be locationed to the subraction all anisotropic states applied to change date. HTTP ACC and HTTP ACC ACC ACC ACC ACC ACC ACC ACC ACC AC	4/27/2023	8.222.6	Vegetation Management and Inspections	Discontinued Programs
247	CaPA	Set WMP-18	CalPA_Set WMP-18	2	CalPA_Set WMP-18_Q2	PG&E states in response to Question 3 of CalAdvincates-PGE-2023WMP-15 that "PG&E intends to track trees identified for work under WINDM and FT living the OneWIN toot." Please provide the following regarding the ChreVIN toot. It is purposet; It is purposet; It is not a substance of the following regarding the ChreVIN toot. If it is not purposet; If we have the following regarding the following the fo	a) The purpose of the Che VM tool is to provide map-based work execution, nomitoring, and validation through a single sockness polition that increased integration between our databases and data, additional visibility of what work is being performed at what times out to be extremed to the provide out of the provide provides and the provides provides provides and the provides provides the provides provides and the provides provides the provides provides and the provides provides the provides provides the provides provides and the provides provides and the provides provides the provides provides and provides visibility in the the workforce provides and the provides provides the provides provides and provides provides and the provides provided provides provided provides used reductions and the Checkly Tool. (We began utilized from the VM Tool in the Checkly Tool.)	4/27/2023	8.2224	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 so to 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_Q4	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) Presize explain your reasonable gain pre-years as a "thing point"; (a) Presize 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 CaPA_Set WMP-18_QS	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_OS 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, his is how 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 Rustine V	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-18_O6	In response to question 16(b) (III) of Celebrocostes.PCE_2020WIND 15. Po&E state. The difference (enropy-allor inequation management could) of 254,891,000 between 2003 and 2004 is due to several factors (3) reducing out costs through efficiencies over the rate case period through targeted programmated adjustments that refine processes and improve resource efficiency. a) For witch specific programs does PC&E anticipate reducing unit costs as mentioned in the quote above? b) For each individual program identified in jour response to the previous part, present seatis the following: It What efficiencies does PC&E anticipate realizing? It What efficiencies does PC&E anticipate realizing? It State the current unit costs and the applicable units. State the current unit costs and the applicable units. State the current unit costs and the applicable units. State the current unit costs and the applicable units.	a) PC&E anticipates reducing costs on EVM Transitional, Roudine, Tree Mortality, and VC pole clearing programs b). I The tree EVM transitional programs are vigetation Management for Operational Mitigation (WAIOM), Thee Removal PCA (In the EVM transitional programs of the PCA) and the EVM transitional form of the EVM transitional programs will be incorporated into the EVM23 workplan, we articipate a significant decrease in VM4 spend due to the APCESC continues the effort to undergound distribution fiew, an entiripate and evidence in costs related to the event of the EVM23 workplan, we articipate a significant decrease in VM4 spend due to the event of the EVM23 workplan, we articipate a significant decrease in VM4 spend due to the event of the EVM23 workplan and transitional event of the EVM23 was an event of the EVM23 and the EVM23 and the EVM24 and the	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. 2025. 2026. 2026. 2026. 2027. 2026. 2027. 2028. 2028. 2028. 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 returner of vegetation management work the costs listed are all Operating Expenses and no capital Develorilluser. Also note label below 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_608_Q1	Please provide PCAE's most recent calculation of RSEs for Undergrounding, by year from 2023-2025, at the most granular level for which PCAE has computed frem. For this question, "Undergrounding" refers to all programs the underground distribution lines for widdler miligation purposes and/or fine 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 GRC Supplemental Filing from February 2022. The most granular level at with we excludated RSEs at all the trache level. This is summarized in static-intered YMMP Discovery/2023 DR, TURN 0.08-0001Act/01* The RSE results are summarized in the RSE received but with the RSE cares 2023-2023 down in cells 11421. Program Exposure 2, 2-Program Cost 7, SEE received the RSE cares 2023-2024 down in cells 11421. Program Exposure 2, 2-Program Cost 7, SEE Fee Program 7, MOOZ 1, MOOZ 2-SME (reut, and MOOZ 2-Effectiveness tabs). Specific from one granular level assessment at the circuit segment level WMMP guidelines require risk reduction not RSE based on 2023-2025 workplans. Those risk reduction values are provided in workpaper 2023-203.	4/27/2023	7.2	Wildfire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives
254	TURN	008	TURN_008	2	TURN_008_Q2	Resea provide PCSE's most recent calculation of RSEs for Covered Conductor, by year from 2020-2025, at the most granular level for which PCSE's has computed from Pesses develop all activities that PCSE includes it the calculation of RSEs for Covered Conductor. Please provide the workpapers with the supporting inputs and calculations for these RSEs in Excel format.	Car most reduction of RSEs for Convent Consider in shared in our 200 CRC Deptiments of Firing in Chemical 2002. The most greater level of which we accidiated RSEs is at the traceful even this is summarized in stake-free IYMMP-Discovery/2002 DR, TURN 1,008-00/Orlad/oil*. The RSE results are summarized in stake-free IYMMP-Discovery/2002 DR, TURN 1,008-00/Orlad/oil*. The RSE results are summarized in the RSE Results it also with the RSE caross 2002/2003 both on In cells HITLIN 1. The grame Exposure / 2-Program Cost / 3-EEF - respective in the RSE caross 2002/2003 both on In cells HITLIN 1-Program Exposure / 2-Program Cost / 3-EEF - respective in the RSE caross 2002/2003 both on Incells HITLIN 1-Program Exposure / 2-Program Cost / 3-EEF - respective in the RSE caross 2002/2003 both on Incells HITLIN 1-Program Exposure / 2-Program Cost / 3-EEF - respective in the RSE caross 2002/2003 both on Incells HITLIN 1-Program Exposure / 2-Program Cost / 3-EEF - respective in the RSE caross 2002/2003 both on Incells HITLIN 1-Program Exposure / 2-Program Cost / 3-EEF - respective / 2-Program Cost / 2-	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, Ach 1, is there an error in the alternative responses to the question at the fair right. "Vill is roude or project scope change militigate impediments." It appears that the "Yes" and "No" alternatives 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 significant and larger existings associated with the overhead primary distribution powerfrees, compared to an Please provide, in the Each Senta, the data on which this statement was based, and provide an explanation of what PG&E believes the data show. In Please provide data, from 2015 to the present, showing for each of primary distribution overhead lines, secondary distribution overhead lines, secondary distribution overhead lines, sevice conventions, and high voltage transmission lines: In Number of lighton normalized by mileage. In Size (e.g., acces) of fires resulting from ignifions, and in. Number of situatures destroyed by fires resulting from ignifions.	This deternet was based on ac CPUC reprofable goldnor in High Fire Threat Dathics (HTTD) across PG&E service territory in 2019-202. See Worksheet of attachment MVP-Discovey/2022. DRT_UTRN_005-00044000-1045. The desided data by lygition can be found in sortional extraction of the size of the sortion of the size of the	4/27/2023	8.12	Grid Design and System Hardening	Undergrounding of Electric Lines and or Equipment – Distribution
257	TURN	008	TURN_008	5	TURN_008_05	In response to TURN DR 5-4, after stating that PG&E is not undergrounding service drops and is not undergrounding secondary lines in most cases, PG&E states in the last paragraph. We will overhead remaining secondary and service 3 lines by replacing open-were secondary, gits services, and these connects with the current as What is meant by the word "remaining" in this quality. 3. What is meant by the word "remaining" in this quality of the provider of the period of the per	als a conscious, where secondary or service wires are in billies with the primary being undergrounded. It too will be undergrounded in the seas the teach to week, any secondary or service lines that are instead to the undergrounded primary will not be placed underground. Therefore, the term' remaining is meant to apply to those betteral secondary or service lines will be hadered by the properties of the p	4/27/2023	812	Grid Design and System Hardening	Undergrounding of Electric Lines andior 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 PRSPS activations. When a clicual (or fully isolatable circuit segment) is all covered conductor, the de-energization is PRSP activation in PRSP activation in PRSP activation in PRSP activation in PRSP activation. In PRSP activation, as a Please provide any data, studies or reports in PRSP activation. It is also should be any experienced a reduction in PRSP activation. It is also should be any experienced and exclusion in PRSP activation. It is also should be any experienced and exclusion in PRSP activation. It is also should be any experienced and exclusion in PRSP activation. It is also should be any experienced and exclusion that assess whether any de-energization thresholds should be activated by the provided of the provided and provided a	AW have not preformed studies or have reports to support whether lines with covered conductors experienced a reduction in PSPS activations. b. We have not performed studies or have reports to support whether any dic inergization thresholds should be changed for circuits or portions thereof with covered conductor or we carriedly do not plan on adjusting thresholds in the control of the control	4/27/2023	8.12.18.9	Grid Design and System Hardening & PSPS	Covered Conductor and PSPS
259	CalPA	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 technicipy is provisioned on protective relay equipment. Expected useful life based upon similar technology obsolescences, as well as asset health and lifecycle, is projected to be 20 years. b) REFCL expected useful life of the core components is estimated to be 30 years. If you want to be a projective property of the projective projective projective projective and pasticle projective.	4/28/2023	8.1	Grid Design, Operations, and Maintenance	Down Conductor Detection Devices Rapid Earth Fault Current Limiter
260	CMPA	Set WMP-19	CaiPA_Set WMP-	19 2	CalPA_Set WMP-19_Q2	a) in 2023, what is the average per-circul-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-circul-mile cost that PG&E expects to incur for asset inspection and maintenance for an underground distribution line installed in the HTD? available to the HTD? d) Please state the assumptions and limitations of your estimates for parts (a) through (c).	These inspection processes currently of one of differentiate between covered conductor and base conductor. The cost that we expect to incur for distribution overhead asset inspections in HETD in 2023 is roughly \$2.31 pps-circular-line in the process of the proc	4/28/2023	8.1.5	Asset Management and Inspection Enterprise System(a)	N/A

							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 carbotitude in less 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 statistic of 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 in the HTTDs. I there were only included the materiance costs are tracked at the HTTDs. Further, we only included the materiance costs are tracked at the Materiance and the conductors, to these costs are tracked at the Materiance and the conductors, and the materiance costs are tracked at the Materiance and the conductors are costs as the tracked at the Materiance and the conductors are consistent to the conductors and the Materiance and the conductors are consistent to the conductors and the Materiance and the conductors are consistent to the conductors are consistent to the conductors are consistent to the conductors and the conductors are consistent to the conductors and materians and materians are consistent and conductors are conductors and materians consistent in HTTD as in conductors are consistent and conductors and conductors are conductors and conductors and conductors are conductors and conductors and conductors are conductors. In the total conductors are conductors and conductors and conductors are conductors and conductors and conductors are conductors and conductors and conductors are conductors.	5/10/2023	8.1 <i>2</i>	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 pademount 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 velifier risk score is considered an in prifries nick notification. 1. Any conditions with a greater than zero velifier risk score is considered an in prifries nick notification. 1. Any conditions with a greater than zero velifier risk score is considered an in prifries nick notification. 1. Any conditions with a greater than zero velifier risk score is considered an in prifries nick notification. 1. Any conditions with a greater than zero velifier risk score in considered an in prifries nick notification. 1. Any conditions with a special residence of these issues desired do not considered with a failure and conformation of these issues desired do not considered with a failure and conformation of these issues desired do not considered and in principles of the score of these issues desired do not considered and in principles of the score of the score in the score of the score in the score of the score of the sc	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 Junit OU efforts." They do not include all cost components that make up our comprehensive Overhead System strateging Program. 3) Please and or one or Table PGAE-221-13 with the comproments that are part of PGAE's comprehensive overhead by Please and or one or Table PGAE-221-13. Including the elements rotled in part (a), please provide a brief description of the work and materialists have 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 categories 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? Program of the Value of the Value of Value at which PG&E determines that undergrounding is not a suitable miligation? Program of Value with a lower SWRSE than boxe to 8,000 CH miles that were selected for undergrounding (as described in the quote above)? 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 stages of our permanent system realized militagetion. In these carry's stages of our permanent system realized militagetion work (undergrounding), we are tocating our undergrounding militage in the system of the stages of the SWTS SWTS SWTS SWTS SWTS SWTS SWTS SWT	4/28/2023	Appendix D	Areas for Continued Improvement	ACI PG&E: 22:34 - Revise Process of Prioritizing Wildfire Miligations

270	СыРА	Set WMP-19	CalPA_Set WI	(P-19	12	CalPA_Set WMP-19_Q12	Attachment 1 to PG&E's response to data request CalAdvocates-PGE-2029VMP-14 states that on November 18, 2019, an intrusive inspection indicated that a pole had 18% remaining strength. On January 14, 2020, the a) Why was the tag for the above pole created approximately two months after the initial finding? a) Why was the tag for the above pole created approximately two months after the initial finding? b) Describe any actions that PG&Es observed however howevers FLQ. 2019 and January 14, 2020 to address the safety of the pole noted above. () Why was the tag created with a one-year deadline based on the tag creation date, rather than a deadline based of Vity was the calculated that the compliance deadline for a new tag based on the tag creation date or the date of the initial finding? Please explain your answer. e) Was a priority E tag the appropriate priority level in this instance? Why or why not?	In The data; was due to this pole being introvinely prepended using our legacy inspection system which did not interest enlighted more of self the impection propriet has closed underlingly and sentential morrarish action notification to be created. In the legacy impection system, respection projects were created with a finite volume of poles (generally between 200 and 400 poles and the project was not closed until the entire pole population was impected. Due to access issues and other constraints, it was not unusual for projects to remain open for multiple more. 1. In the contraints of the projects of the project was not closed until the entire pole population was impected. Due to access issues and other constraints, it was not unusual for projects to remain open for multiple impections on the time place of the projects of the projec	4/28/2023	8.1323	Asset trapectons	Intrusive Pole Inspections
271	CaIPA	Set WMP-19	CalPA_Set WI	fP-19	13	CalPA_Set WMP-19_Q13	The PGAE independent Safety Monitor Status Update Report by Filiange Energy Parkness on October 4, 2022 page 9 states: During the period, the SM reviewed data provided by PGAE related profest underground Transmission assets. The causing the Control of the PGAE Underground Transmission assets. For example, 00% of one type of submitted of the same page of the SM PGAE Report 1. Footbook 18 states, "Internal PGAE PGAE 1. Footbook 18 states	The confidential attraction of a being provided pursuant to the accomproping confidentiality accluration. In Please reference VMMC-Tiscovery (2022), DR. CalAdvocates, 01%-0315Abc101 CONF pdf for our infernal PG&E presentation from May 2022. Specifically, the reference are found on Side number 16. We clarify that "beyond its useful life" refers to expected average based on inclusity benchmarking information. Actual condition of the assets such as their physical area of the condition of the assets actually conditions of the assets actually conditions of the assets actually conditions are supported to actually conditions of the actual condition of the assets actually conditions are supported to actually conditions of the actual conditions are supported to actually conditions are	4/28/2023	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening -Transmission Conductor and Distribution
272	CalPA	Set WMP-19	CalPA_Set WI	MP-19	14	CalPA_Set WMP-19_Q14	On Agri 13, 2023, Call Advocates met with a Serinor Director of Grid Research invoxition and Development at PGGE. During this meeting. PGGE state of the REFCI; is not a scalable product. a) Does the above statement accurately reflect PGSE's current assessment of REFCI.? Please explain your answer. b) if the answer to part (a) is yes, please state all the reasons why PGSE believes REFCI, is not a scalable product.	a) We are still evaluating REFCL technology in the EPIC3.15 demonstration project including field testing and gaining operational experience. We expect to have final results by the end of 2023. Decisions about further deployment of REFCL will be made after completion of the demonstration project with consideration for all wildfire risk mitigations available.	4/28/2023	8.1.8.1.3.1	Grid Design, Operations, and Maintenance	8.1.8.1.3.1 Rapid Earth Fault Current Limiter
273	СыРА	Set WMP-19	CalPA_Set WI	MP-19	15	CalPA_Set WMP-19_Q15	a) Has PG&E performed a study to estimate the combined effectiveness of one or more combinations of covered conductor. EPSS, DCD, PVD, and REFCL in miligating wildlines, when installed on distribution circulate in the HTDT HTDT STORY (a) is no present in which in the study of the study of the circulate in the conductor of the study of the part (a) is no, does PG&E plan to perform such a study? If so, provide the timeline for initiating and completing (i). (d) If the answer to part (a) is yes, please provide the results of any such study, including any reports, workspers, or other work products.	a) PCBLS is advely analyzing the effectiveness of Covered Conductor (CC), in combination with EPSS and DCDIPV. Academic services are actively analyzing the effectiveness of their Consolutor (CC), in combination with EPSS and DCDIPV. DCBLS in the initial phase of these two studies and intends to use the results to compare the effectiveness of CC and CC. EVENT of the effectiveness of CC and CC. EVENT of the effectiveness of CC and CC. EVENT of the response to subgrid a, we have not done this analysis previously, but it is underway, the resume that this analysis and not been completed to date in the evidant of an openion. 2022 was the first year of broad-casin application of EPSS, while DCD and PV were in development and referement phases in 2022, such that we were all developing the broadless, experience, and date and referement phases in 2022, such that we were all developing the broadless experience, and state are greated in the West took would work to intigigate only the experience of the experience of the evidence of the experience o	4/28/2023	8.1.2	Grid Design and System Hardening	Various
274	СыРА	Set WMP-19	CalPA_Set WI	IP-19	16	CalPA_Set WMP-19_Q16	Table 7 on page 20 of the Joint IOU Covered Conductor Working Group Report lists SCE's estimate of the combined effectiveness of its covered conductor program, asset inspections, and several vegetation management programs. In the combined self-order as a limited are stimate of the combined effectiveness of covered conductor, asset inspections, and vegetation management; and vegetation management; and vegetation management; and vegetation management or the combined self-order vegetation of the combined vegetation v	IVe have not performed a similar analysis of covered conductor (CC) with the same methodology as used in Table 7, b) following pricinate. 2) We did not conduct a similar estimate of the combined effectiveness of covered conductor, sase inspections, and some several Vito programs because Figure 8. 1 1946, e.g. of Table 7 in the Joint IOU Covered Conductor Vivoring Group Report were preliminary work and some assessments of the values for Table 6 and Table 7 were inputing the Vivoring Coverage of Vivoring Coverage (Vivoring Vivoring Vivori	4/28/2023	Appendix D	Areas for Continued Improvement	ACI PCSE-72-11 - Covered Conductor Effectiveness Lessons Learned
275	СвРА	Set WMP-20	CalPA_Set WI	MP-20	1	CaPA_Set WMP-20_O1	a) Describe PC&E's standard process for reliring an eased from service. b) Describe how PC&E records the retirement of an asset from service.	AD Decisions for register an issued and "refer". It from service are driven by various factors such as service, including services, and are determined by the asset managers of each asset family. Different programs establish under growers for managers of each asset family. Different programs establish under growers for managers of each asset family. Different programs are described to the program process for managers of each asset family. Different programs are described as the program process for managers of each asset family or program. PCAES for the program process for the process for subpart, but the order of process for the pr	5/3/2023	8.1.5	Asset Management and inspection Enterprise System(s)	N/A
276	CalPA	Set WMP-20	CalPA_Set Wi	₫P-20	2	CalPA_Set WMP-20_Q2	a) in 2022, as part of its WMP system hardening activities, did PG&E retire from service (i.e., replace, remove, destroy, or decommission) any assets that had not been fully depreciated at the time of retirement? b) Please describe how PG&E recorded the retirement of assets during 2022 system hardening activities.	a) Not applicable. The assets regionard as part of WMP system hardening activities (section clarification contented assets) folion group depreciation and referement accounting. As such, there is no underpreciated value for the assets that were retired. Please refer for our response to Question QSI, subject all (a) for additional information on group depreciation and referement accounting. b) Please see the response to Question OSI, Subject (a) (b) of this Data Request. The referement of assets during 2022 system hardening activities followed PS&E's standard process for recording the referement of assets.	5/3/2023	8.1.2	Grid Design and System Hardening	All
277	CalPA	Set WMP-20	CalPA_Set Wi	MP-20	3	CalPA_Set WMP-20_Q3	a) in 2023, as part of its WMP system hardening activities, does PGSE intend to retire from service (i.e., replace, remove, deathby, or decommission) any assets that are not fully depreciated at the time of retirement? 3) Presse describe how PGSE self-record for retirement of assets during 2023 system hardening activities.	a) Not applicable. The assets to be replaced as part of VMPP system hardening activities in 2023 foliation group depreciation and reliments accounting, As such, there is no undepreciated value of the assets that will be refined. Please refer to our response to Question OS. Supplet (s) to exidition information. Interpolation (assets of the property of the	5/3/2023	8.1.2	Grid Design and System Hardening	All
278	CaIPA	Set WMP-20	CalPA_Set WI	€P-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?	Please see the response to Question 0.1, Subpart (b) for information regarding the tracking of PG&E's retired assets. Please also see Question 0.05, Subpart (a) for information on group depredation and retirement accounting, as established by the CPUC, FERC, and the National Association of Regulatory Utility Commissioners (NARVIC), which PG&E follows.	5/3/2023	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A

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279	CaPA	Set WMP-20	CalPA_Set WMP-20	5	CalPA_Set WMP-20_05	a) # FC&E retires from service an asset that has not been fully depreciated, does it remove the remaining undepreciated value of the wisef from this rate base? b) Now does FC&E determine the remaining undepreciated value of an asset at the time the asset is retired from service? c) Please describe any scenario in which PC&E 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 premiet or two queezes in incomers. Product income glood progressions and relationers about plans, as established by the CPUTL, FERC. and the National incomers are relatively as established by the CPUTL, FERC. and the National society of the National incomers are relatively as the National society of the National Section of the Natio	5/3/2023	8.15	Asset Management and Inspection Enterprise System(s)	N/A
280	CalPA	Set WMP-20	CalPA_Set WMP-20	6	CalPA_Set WMP-20_Q6	a) As of the date of this data request, does PC&E's rate base currently include any portion of the value of any assets that are no longer in service? 1) If the arrenter long red (a) is yes, please explain why. 1) If the airsen's long r(a) is no, let the controls is place that ensure PG&E's rate base does not currently include any portion of the lessed of base that no longer in sirVice.	a) No. Please see the response to Question 055. Subpart (a) for a detailed objection of the property of the pr	5/3/2023	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
281	CaPA	Set WMP-20	CalPA_Set WMP-20	7	CaPA_Set WMP-20_Q7	In its response to data request Californizates-PGE-2020/WMP-14, questions 20-22, PGAE 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 the statement. "Our asset registry and work execution systems are not set up to the provided of the provided	Los documents descriptions to Question 001; Subgrate 10, and 10). When an asset is retired from service, NGEA has an as-bull process for document work completed in the field. These as-builts are submitted for mapping in the system of record and the retired asset is remove from our Geospital System or record (GSIs), in addition, the refined asset is also removed from the in-service partition of the work. In the refined asset is also removed from the in-service partition of the work. Los assets and the reference only. In the second of the reference only. In the service, all is removed from our Gospital man admitted within SAP. Please see also the response to Question 007. Subgrat (G), When an asset is refined from service, it is removed from our Gospital man admitted within SAP. Please see also the response to Calefricoriate, 000-Question 005, Subgrat (g) within a see also the response to Calefricoriate, 000-Question 005, Subgrat (g) when a considerable of the control of the cont	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 2023-2026 Undergrounding Workplain referenced on page 910 of the WMP (R1) and provided in Excel formal in response to TURN Data Request 2-4. I For each undergrounding project listed in this document, please provide the RSE calculated in accordance with a Fore section of the RSE calculated in accordance with a RSE calculated for the undergrounding project. Please provide all epuls and calculations for these RSE values, in the Excel format. Ib. For each undergrounding project listed in this document, please provide the RSE calculated and a consequence of the CPUCS SMMP Settlement (see p. 22 de seq of CRSE WMP-R1) that PSEE calculated for anomalies and calculations for these RSE values, in the CPUCS SMMP Settlement (see p. 22 de seq of CRSE WMP-R1) that PSEE calculated for anomalies and calculations for these RSE values, in the Excel format.	als A explained on page 986 of the 2023-2025 WMP. PCASE developed a measurement described in the 2022 Revised WMP as the Simplified Wilder Box Spend Efficiency (VMSE) to vitilder Sensibility 8 a particular location due to the presence of hard rock, large valent consists, parelle gradient, PCASE calculates the SVHSE's softoward to the presence of hard rock, large valent consists, and/or gradient. PCASE decidates the SVHSE's softoward Cost 1 Fearbility Score While in practice the student of cost per mile of undergrounding is expected to decline over time, PCASE assumed it to be food at 1 for all circuit segments so that the selection is only driven by feasibility and risk. This defines the WFE Score Fig. 1 FCASE WFE scores incorporate the elements of RSSE calculations with the feasibility of the properties of th	5/1/2023	Appendix D	Areas for Continued Improvement	ACI PGSE 22-16 – Progress and Updates on Undergrounding and Risk Preditation
283	MGRA	Data Request No. 3	MGRA_Data Request No. 3	1	MGRA_Data Request No. 3_Q1	Please provide for Asset Point data for Camera, Fuse, Support Structure, and Weather Station.	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 Request No. 3	2	MGRA_Data Request No. 3_Q2	Provide Asset Line data for Transmission Line (as permitted as non-confidential), Primary Distribution Line, and Secondary Distribution Line.	The attachments have been reuploaded to ESFT.	5/2/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
285	MGRA	Data Request No. 3	MGRA_Data Request No. 3	3	MGRA_Data Request No. 3_Q3	Provide PSPS Event data. Include Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide 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 Request No. 3	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 Request No. 3	5	MGRA_Data Request No. 3_Q5	Under Initiatives, please provide Grid Hardening data, including Hardening Log, Hardening Point, and Hardening Line data. Inspection data is not requested at this time.	The attachments have been reuploaded to ESFT.	5/2/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
288	MGRA	Data Request No. 3	MGRA_Data Request No. 3	6	MGRA_Data Request No. 3_Q6	Under Initiatives, please provide Other Initiative data for point, line, polygon features and the Other Initiative Log.	The attachments have been reuploaded to ESFT.	5/2/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
289	MGRA	Data Request No. 3	MGRA_Data Request No. 3	7	MGRA_Data Request No. 3_Q7	Under Other Required Data, please provide Red Flag Warning Day polygon data.z	The attachments have been reuploaded to ESFT.	5/2/2023	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
290	CaIPA	Set WMP-21	CalPA_Set WMP-21	1	CalPA_Set WMP-21_Q1	Par Tale 6.17. Vigestation Nanogement Implementation Objectives, POEE's Focused The Impaction (FTI) Program is currently under developments. By the ent of 2005, POEE (plans to 'Fully implement AOC cross- furctional team to implement guidelines across all AOCs. ¹⁴ POEE states in response to operation 11 of dat request Clark-Avocates-POE-WMR-15 that its FTI pile of 300 overhead miles is 'Internded to yield the learnings needed to support and inform future work plans. The program of the program	Please see the table below for the Froused The happension Program schedule. PGAE is still developing the procedure for this program. We infind to use Old 2023 to analyze the results of the pilots to inform our 2024 FTI plan. See in implementing the Focused Tire happedrone. Program Beginning Date Compision Date See the Region of the Policy of the Pol	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 southwest polars responsible of quarter of 2002, Product may be instructed to the METO in 2000, 2021, and 2022. 2022 in 2022 in Product in Section 1 in Production in Production in Production 1 in Produc	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 discrepancy was the result of an Excel error that occurred when PG&E revised Table 2 with the additional inspection. Speed details required for Q4 2022. Please see attachment of the part of the par	5/9/2023	QDR	NA	NIA
292	CSPA	Set WMP-21	CalPA_Set WMP-21	3 CaPA_Set WMP-21_G3	In response to data request Call-divisorates-PCE-0003VMP 18, question 10, PCSE stated. The fire resid common problems in the filter process such Checkle Manufact, codes place, sheet issues, and sheckled states, for each of the filter problems listed shape, please sit any open PCSE has made to its 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, 1000 hours is season with the percent - With respect to the WWP passage noted above: a) - PSP Peass explain with these lists are different b) What is the difference beloween an PSP of RSP- and a FSP above 0, 77 - DODEsP GEE consider substance with seeks, guite, 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 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 an 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 insented in three layes as its by 50°, 50°, 60°, 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 2023-59.2° PDEE_2023_WIMP_PRI_Appentix C_Albrid TSection, 6 gold is from the Wildlier Distribution Risk Model v3. The risk values for each 100m; x 100m; pixel are the System Hardening composite value. As described in section 5.2.2.3, pages 171 and 172 in PGSEP 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_5gdb file insidevertently dropped some risk pixels. Please see "WMP_ Discovery/2023_PR_MCRA_Q04-0002Acth012" pir" on a updated 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 see lift on missing pixels due to incomplete date 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 liver risk pixels. As seen in the example below, low risk and highrisk pixels can in locally. For the reason, workplan development is generally paided 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% binning. This will allow a rescaling of "low" and "high" risks to be more relative and show any graderis across the PG&E territory. b. Coverage extends to all circuits in the HFTD.	a. Please find the requested data in "WMP-Discovery2023_DR_MGRA_004-Q003Atch01.zip." Results from analysis at the pixel level will provide a different assessment of the spatial pattern of risk than at the aggregated level. b. Specific to his request, the attached file provides risk pixels and associated requested values for all locations in the HFTD and HFRA.	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_810_01	PC&E's WMAP (R1) at page 3 states PG&E undergrounded 180 miles in 2022 and 73 miles in 2021, in each of these years, separately, please provide the number of overhead miles that were converted to underground related to these mileage figures.	We carreitly do not track the overhead miles removed and replaced through undergrounting. Our geospatial system of record only tracks asset curreitly in the field on the average overhead to underground convenient force of 10 where the mattering underground and the advanced of the settlement of the s	5/3/2023	8.122	Grid Design, Operations, and Maintenance	Undergrounding
303	TURN	010	TURN_010	2	TURN_010_Q2	PCAE's WMP (R1) at page 4 states "Selveen 2023 and 2026, 87 percent of PCAE's undergrounding work is planned for the top 20 percent of risk-marked 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 the 20 percent of risk-marked circuit segments' means, and reference the data and response in part (a) to show how this is calculated.	The confidential attachment is being provided pursuant to a signed Non Disclosure Agreement with PGAE. a Please see attachment WMMP-DiscoverQ220 PLR TURNS (1) 00000A24cb1/CDATS (2) VA 17 Risk Rank Models: b. "Top 20% Risk-Ranked Critical Segments' miles can come from either the WDRM V2 or V3 Risk Rank Models: b. "Top 20% Risk-Ranked Critical Segments' miles can come from either the WDRM V2 or V3 Risk Rank Models: Rank greater than 720. Any miles with a V3 Risk Rank whose 720 that are consplied as part of the program would benn be considered under the top 20 research of fishe varieties direct control segments'. Rank of greater than 720. Any miles with a V2 Risk Rank above 720 that are completed as part of the program would be not be considered under the top 20 research of fishe knowled control segments'.	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 TURN DR 7-4(s), in which TURN ander whether PGAE calculated circuits segment view RESE for the peat and full war work shown in RAMAMENT 2023-04-06 PGC 2022 VMMP; RC Section 6.2 2, AuthOI, an earlier version of which is referenced on page 156, fb. 77 of the VMMP (RT): a VMMehr or no CEUS requires PGAE to present such critical segment telew RESE in the 2023-2025 VMMP, has a VMMHP or CEUS requires PGAE to present such carbon segment telew RESE in the 2023-2025 VMMP, has provided as AROT to TURN DR 7.2. Please provide all supporting vorkpapers, includions, topul date, and assumptions regarding these RESE calculations.	As described in more detail in response to TURN Data Request 00, PG&Es whiter Feasibility (WFIP) scores incorporate the elements of RES calculations with the feasibility enterent used to modify be eyerd factor to account for operational and executability factors. PGES of the period of the period factor of the period fac	5/3/2023	6.4.2	Risk Methodology and Assessment	Top Risk-Contributing Circuits/Segments
305	TURN	010	TURN_010	4	TURN_010_04	Re Figure 22:34-1 on p. 969 (R1): a Pieses provide the Figure in Exel with supporting data and adiculations. a Pieses provide the Figure in Exel with supporting data and adiculations. b Pieses explained with the weighted data per mile and additional control and the pieses of the pi	- WFE Score (column B) - Please see "WHP-Discovery2022 DR_TURN_016-0-0004Ach01.xisx", Please note, the results and visual do not mainth demicially due to the number of data confidence in the season of the control impact for the control impact for except the control impact for the same total of all risk points concepted by the circuit segment of the Time service (the same total of all risk points concepted by the circuit segment of the Time service (the same total of all risk points of the control impact for the circuit agence in this first risk areas. c) Please see "WMP-Discovery2022 DR TURN_010-000444-01" taker, column E, first the control impact for the circuit of the c	5/10/2023	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 - Revise Process of Prontizing 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.xisx".	5/3/2023	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening
307	TURN	010	TURN_010	6	TURN_010_Q6	PG&E's WMP (R1) at page 4 states "Recent data and analysis demonstrate that the Enhanced Vegetation Management (EVM) Program nick reduction is less than EPGS and additional Operational Miligations such as quantitative analyses in Excel, that support this statement.	PGAE: Introduced the comparison of risk reduction and Risk Spend Efficiency (RSE) of EPS3 vs EVM in the 2022 WMP and 2023 CRC Supplemental Rings is Fabruary 2022. WMP and 2023 CRC Supplemental Rings is Fabruary 2022. Red Rings Supplemental Rings is Fabruary 2022. Red Rings Supplemental Rings is Fabruary 2022. Red Rings Supplemental Rings is Red Rings Supplemental Rings is Red Rings Supplemental Rings in Red Rings Supplemental Rings is Red Rings Supplemental Rings Supplement Rings Supplemental Rings Supplemental Rings Supplemental Rings	5/3/2023	823	Vegetation Management and Inspections	Vegetation and Fuels Management
308	TURN	010	TURN_010	7	TURN_910_07	PCSE VMP (R1) at page 251 states "The type of mitigation tradeoff and effectiveness analysis we conduct informed PCSE's decision to transition away from the Enhanced Vegelation Management (EMP) program. a. Please provide a discomentation on infernal communications regarding the Entation away from the EVM program. b. Please provide the "effectiveness analysis" conducted by PCSE that informed its decision to discontinue the EVM program. c. Please provide annual total spending on the EVM program from 2018-2022.	a. Pease see "WMP-Discovery2022_DR_TURN_D10-0007Asch302CONF.pdf" seet by VM Program Communications on October 20, 2022 referencing end of EVM at the end of 2022. All the control of the Control of the Control of 2022 and Endowment of the Control	5/3/2023	82.3	Vegetation Management and Inspections	Vegetation and Fuels Management
309	TURN	011	TURN_011	1	TURN_011_Q1	1 ROAE's WMP (R1) at page 4 references WDRM v3. a Brease explain and quantify the differences in Excel with working formulas. b Hease provide all results of VIVDRM v3. In Excel at the circuit segment, circuit protection zone, or most granular b Hease provide all results of VIVDRM v3. In Excel at the circuit segment, circuit protection zone, or most granular b Hease provide all results of VIVDRM v3. In Excel at the circuit segment circuit spread columns for all ownerses. If a Unique circuit segment identifies that can be used bo cross-reference with PGAES a undergrounding workplant, provided in workpare "2023-04-09, PEE, 2023, VIVM PE, 11 pepends D ACF (PSE-22 in Audito 11 Presults and explain its provided in the circuit segment identifies should also be incorporated into the response to quastion 2. it Total validing risk zone; (places explain in the response how this is calculated); vi. Man with risk zone; (places explain in the response how this is calculated); vii. But Risk Risk (places explain in the response how this is calculated); viii. But Risk Risk (places explain in the response how this is calculated); viii. But Risk (places explain in the response how this is calculated); viii. Diverhead crount inside of the circuit segment. c. Please and of columns to the spreaded provided in prof, but the number of cervined y except projects). c. Please and of columns to the spreaded provided in prof, but the number of cervined miss expected to be underground in 2023, 2024, and 2025, respectively, corresponding to each circuit segment.	UNITED AND A COLUMN TO A COLUM	5/9/2023	6.2	Risk Methodology and Assessment	Risk Analysis Framework

							Time conlidenual auscriment is being provided pursuant 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 resample is the circuit segment elected in column to the Except Column and provide the column and provide t	PIGAE: To subpatrix A1, please see allactment "WINP-Discovery2022 DR_TURN_011- for subpatrix A2, please see allactment "WINP-Discovery2022 DR_TURN_011- for subpatrix A2, please see allactment "WINP-Discovery2022 DR_TURN_011- a. See column N5 with WINPA V2 circuit segment identifiers. b. See column A3. 4. See column A3. b. See column A3. b. See column A3. c. See column A3. b. See column A4. b. See column A5. c. See column A6. c. The Risk Rank order is described in Section 6.4.2 of the 2023 WINP-PGAE revised crizcal segments from highest to browned mean wild trieuppinton rax. by crizcal segment. Alternatively, crizcal segments can be sorted in other methods such as total overall wildly risk; however, the results would be significantly impacted by the length of the circuit segment (i.e. longer circuit segments would wildly response to the section of	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 Z(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, 000-007-007-007-007-007-007-007-007-007	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-C001 MonifoCOMF-sixd.; see column to for WDGM v3 circuit segment identifies, and column 16 for WDGM v3 circuit segment identifies. b. Please see attachment VMMPBioscove/2023. DR, TUNN, 010-C004Ac401 Listd. b. Please see attachment VMMPBioscove/2023. DR, TUNN, 010-C004Ac401 Listd. in Please see attachment VMMPBioscove/2023. DR, TUNN, 010-C004Ac401 Listd. in Please see attachment VMMPBioscove/2023. DR, TUNN, 010-C004Ac401 Listd. in Please see attachment VMMPBioscove/2023. DR, TUNN, 010-C004Ac401 Listd. in Please see attachment VMMPBioscove/2023. DR, Colledwordsee, 000-C004Ac401 Listd. column 5. v3. line, weighted, sixt, per JR, mile?) High Fire Feasibility Cost Multiplier (column C. 176 feasibility, 2005). c. Please see YMMP Discovery2023. DR, Colledwordsee, 000-C004Ac401 Listd. column 5. v3. line, v3.	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 Alsohment 2023-04-06, PGE, 2023, WMP-R2, Section 6.4.2, Alchô1, an earlier version of which is referenced on page 195, fits 77 of the WMP-R21. 4. Please add a count to bits spreadsheet and provide the unique circuit segment identifier requested in 1(b)(i) shows and 2(a) aind 3 allows. Floates add a count to bits spreadsheet and provide the unique circuit segment identifier requested in 1(b)(i) shows and 2(a) aind 3 allows. Section 1 and 1 an	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 convertee of the statistic reduction. Be of the contribution of the statistics of the s	5/9/2023	642	Risk Methodology and Assessment	Top Fisk-Contributing Curcula/Segments
313	CalPA	Set WMP-22	CalPA_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 process of the process provide an estimate of the percentage of circuit days that EPSS was enabled during fire season in 2022 of the provide and the process of the percentage of circuit days on which EPSS will be enabled during fire season in 2022 of the provide in 1. 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, Not have due for including Shots Shot der crincia, but and varies that principal grain plant of control and the principal grain plant of principal grain plant of the principal grain plant plant of principal grain plant plan	5/5/2023	8.1.8.1.1	Grid Design and System Hardening	Protective Equipment and Device Settings
314	CaPA	Set WMP-22	CalPA_Set WMP-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 distinuties or obstactions to undergrounding in rody and steep terrain to 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 rodical 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 rodical installed. (7) Please the unit cost to less than \$3.0 million per mile? (9) The WMP beingrounding projects that PGSE plans to sexuals in 2023-2024, do any involve installing a significant amount (greater than 0.1 miles) of underground conductor in rody and steep terrain? (9) If the worker than 0.1 miles) of underground conductor in rody and steep terrain?	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 performance of the	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 5805.658 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 hardwaring 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 with the control of the CaleAncelse-PCE-2002WMP-09, question 10. PC&E stated that it is causal 2002 with the CaleAncelse-PCE-2002WMP-09, question 14. PC&E provided a unit cost forecast 5 1576 million per mile for overhead tradering in 2005. In response to date request CaleAncelse-PCE-2002WMP-09, question 14, PC&E provided a unit cost forecast 5 1576 million per mile for overhead tradering in 2005. CaleAncelse-PCE-2002WMP-09, question 10 (8851,860 per circuit mile) and Table PC&E-2011-13 (880,660 per circuit mile) in PC&Es forecast of converse conductor unit cost in 2002 response to the provided per circuit mile). In Provide any workpapers or analyses that you used to develop your unit cost forecast of \$1.676 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 consider institutions due to an assertance loss of economies of circles 2025 forcease for the unit cost of covered consider institutions due to an assertance loss of economies of circles 2025 GRC. The unit cost of forceases the period with PCBEE is received in the WMP is aligned with PCBEE is received in other Covered Covere	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 to the property of th	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 whether identification and of newly installed has overhead conductor? b) Does PG&E owner that the newly installed has overhead conductor in the power of th	a) The expected life of newly installed Covered Conductor (CC) is not identical to the newly installed Base Conductor (ICC) 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 expectation of the expectation of the expectation of the expected subset of the expected subset of the expected subset of the expected subset is fire of newly installed covered conductor. b) PGGE uses the same inspection methods of the Cas and Go. An order in the 2023 WMP. Joint IXU CC Report, most inspection pranders of ICC also apply to CC. In adultion, in 2023, PGGE upsalled the Detailed Ground Inspection internal conductor expected. PC expected and other specific production of the expected subset of ICC and Go. To its distillation, in 2023, PGGE upsalled the Detailed Ground Inspection internal conductor expected. PC expected and Durnt, and deaded and cover wise singles of CC construction PGGE is continuing to evaluate test results, discussed in response to subpart (ii), to assess if additional updates to inspection and the part of the PGGE is an order of the PGGE is continuing to evaluate test results, discussed in response to subpart (iii), to assess if additional updates to inspection and the production of the PGGE is continuing to evaluate test results, discussed in response to subset (iii), and it is a possibility in cells explored continues. Our Catalastrophic PGGE is continuing a bigs of the PGGE of the PGGE is a result of the PGGE is continuing to additional updates the results in a beneficial continuing the PGGE is a result of the PGGE is a result of the PGGE is an order of the PGGE is a result of the PGGE is a	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 (202,2007Abth91C00F) off for the requested information. Specifically, on pages 1:2 of the document, we identify three calculations that comprise the Causiliy Pleas Read (1) the POUTE Please Read (2) the POUTE Arransission Pleas Read (2) the POUTE arransission Pleas Read (2) the POUTE of Vision Please Read	5/5/2023	8.1.6.2	Grid Design and System Hardening	Quality Control

320	CaIPA	Set WMP-22	CalPA_Set WMP-22	8	CalPA_Set WMP-22_Q8	In response to data request Cald-Arocates-PCE-2023/MIN-PG, question 3, PCRE provided the number of distribution inspections that failed CF review. Out of 2,528 https://doi.org/10.1001/00.10	a) As numbers in the labels above have been verified and are accurate per our 2022 data and disabloands, of the labels as the sealous of the enemy pairs and a development of the Conference of the disabloands. O Pairs that, in this among his a defined as The number of imprecions that failed OC review was derived from the count of imprecions with a Cause Code Description, compelling abnormal condition insied during happection, or a maintenance notification was not created. O Critical pairs 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	CaIPA	Set WMP-22	CalPA_Set WMP-22	9	CalPA_Set WMP-22_Q9	In response to data request Colladvocates-PCE-2022WMP-08, question 6. PCREE provided a last of incidents in 2022 where the actions of a VM control posed a salely risk to workers or the public. Please 81 out the spreadsheet Colladvocates-PCE-2022WMP-23, Auchi 1 fair "with the number of miles worked yearsh VM control in 2022 for early Miprograminations." In a Last of Control of the Statisticates to PCRE- response to Colladvocates-PCE-2022WMP-08, question 6. Please make any additions that are necessary for completeness and documents.	contractors.	5/5/2023	8.2	Vegetation Management and Inspections	various
322	CaPA	Set WMP-22	CalPA_Set WMP-22	10	CalPA_Set WMP-22_O10	In response to data request CalAdvocates-PGE-022WMMP402, question 1, PG&E provided its 2022 Quality Verification Distribution Audit report (WMP-Discovery/022) DR: CalAdvocates 002-0001A4c102CONF pdf), a) For each of the 15-zero tolerance & Righ-risk findings' identified on page 4 of the above report, what actions have PG&E bear to mitigate these nonconformance in the Martin of no page 4 of the above report, describe when and how PG&E addressed the nonconformances is mitigate wildfier risk. 2 For each callegory of the "Top three for included attitude findings' identified on page 4 of the above report, describe with the page 5 of the above report, describe with the page 5 of the above report, and actions has PG&E taken to mitigate these renconformances in the future" 7) For each calegory of the "Top three non-Ordical attitude findings' identified on page 4 of the above report, describe of the page 5 of the above report, while actions has PG&E taken to mitigate these renconformances in the future" 7) Pease describe all actions PG&E has taken to reduce the rate of critical attitude renconformances in future of the page 5 of the page 5 of the above report, while actions has PG&E taken to mitigate these renconformances in the future" 9) Pease describe all actions PG&E has taken to reduce the rate of critical attitude renconformances in future of the page 5 of the page 6 of the above report, while actions have PG&E taken to mitigate the page 6 of the above report, while actions have PG&E taken to mitigate the renconformance 7 in the future 7. 1) Pease describe all actions PG&E taken to page 7 of the above report, while actions the page 6 of the above report, while actions the page 6 of the above report, while actions the page 6 of the above report, while actions the page 7 of the above report, while actions the page 6 of the above report, while actions the page 6 of the above report with the page 7 of the a	The CONTRICT FOR MICHIGHT SER PORTING AND THE ACCOUNT OF THE BOOKS AND THE SER DESCRIPTION OF THE SER DESCRIPTION	5/12/2023	8.1.6.1	Grid Design and System Hardening	Quality Assurance and Quality Control
323	СаРА	Set WMP-22	CaiPA_Set WMP-22	11	CalPA_SetWMP-22_Q11	Table PC&E: 8.1.2-3 on page 349 of PC&E: WMP lists the number of undergrounding miles to be performed in Top 20 percent Plask-Ratined Circuit Segments in 2023, 2025, and 2025. The table rotes, "The 2023 rate WDRM vs." 10 percent Plask-Ratined Circuit Segments in 2023, 2025, and 2025. The table rotes, "The 2023 rate WDRM vs." 2) Plasse define "Top 20 percent Risk-Ratined Circuit Segments' for each year from 2023-2026. 3) Plasse define "Top 20 percent Risk-Ratined Circuit Segments' for each year from 2023-2026. 4) Plasse define "Top 20 percent Risk-Ratined Circuit Segments' for each year from 2023-2026. 4) Does the privace of the properties of the p	If A indicated in Table POEAS 1.2.3 the "Top 25% Risk-Revised Drost Segments" miles can come from either the WORMX 2 vs. 10 his position between the time of the 2021 WORMX 2. The 2024-2026 risk can follow segments in based on the 2021 WORMX 2. The 2024-2026 risk can follow segments in based on the 2022 WORMX 3. The "V3 Top 20% Revisitation of the 2022 WORMX 4. The "V3 Top 20% Revisitation of the 2022 WORMX 4. The "V3 Top 20% Revisitation of the 2022 WORMX 4. The "V3 Top 20% Revisitation of the 2022 WORMX 4. The "V3 Top 20% Revisitation of the 2022 WORMX 4. The "V3 Top 20% Revisitation of the 2022 WORMX 4. The "V3 Top 20% Revisitation of the 2022 WORMX 4. The "V3 Top 20% Revisitation of the 2022 WORMX 4. The WORMX 4. The 2022 WORMX 4. The 20	5/5/2023	8.1.2	Grid Design and System Hardening	Undergrounding of Blestric Lines and/or Equipment — Distribution
324	CalPA	Set WMP-23	CalPA_Set WMP-23	1	CalPA_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 "mitigated with PSP Protocols", Piesse explain in detail how circuit ID 52841106 (circuit name	See response to WMP-Discovery2023_DR_CsIA/dvocates_012-Q004Supp01, subparts b, c, and d. Additionally, see WMP-Discovery2023_DR_CsIA/dvocates_012-Q001Supp01Aixh01full list of circuits mitigated by PSPS Protocols and the Distribution customer-event hat would have been mitigated.	5/8/2023	9.2	Public Safety Power Shutoff	Protocols on PSPS
325	CalPA	Set WMP-23	CalPA_Set WMP-23	2	CalPA_Set WMP-23_Q2	Brunsuck 11(6) would have been mitigated by PSPS Protocols. Regarding PGSE or October 26, 20 2019, Post-PSS Event Report4. Please explain in detail how PGSE's 2021 PSPS Protocols, as mentioned in Question 1, would have mitigated customers served by each of the affected circuits during this PSPS de-energization event.	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	CaIPA	Set WMP-23	CalPA_Set WMP-23	3	CalPA_Set WMP-23_Q3	Regarding PG&E's AFN Plans, Appendix C 'Program/Assistance Participation by Cersus Tract', p. A-6, please provide the demographics (especially racialitetims breakdown and income distribution), if known, for each cersus that face the buesties of the Solidary programs. a) Portable Baltery Program Tracy and Comment of the	IGASE does not collect demographic data, such as scaladarbisc breakdown or income databution. Som its customers. The only propriet PAGE is wave of a participation in the Caldinaria Alternative Rates for Energy (CARE) program, which qualifies customers based on income. PGASE provides the stables – one for each of the Self-Generation iscortive Program. Portable Battley Program and Generation and Battley (Reduite Program – that provides the number of CARE participants within the total number of VAME participants within the total number of VAME processing 2013. BR cultival/coster (20.5000/MAIO act or for the Self-Generation Incortive Program – VMMP-Discovery/2013. BR cultival/coster (20.5000/MAIO act or the Portable Battley Program VMMP-Discovery/2012.) DR cultival/coster (20.5000/MAIO act or the Portable Battley Program (VMMP-Discovery/2012.) DR cultival/coster (20.5000/MAIO act or the Total Battley Rebuite Program Note has the totales in this response reflect customer account statuses as of Nay 4, 2013, and therefore may not match to container counts and crossus battle in NAP NAP in effective and changes 2013 between the accounts becoming	5/8/2023	8.5.3	Community Outreach and Engagement	Engagement with Access and Functional Need's Population
327	OEIS	004	OEIS_004	1	OEIS_004_Q1	Regarding Ignition Probability Weather Model In PGAEs WMP. It states its IPW transevork analyzes positive and regative changes in grid performance and reliability year-over part and spicels a immedigitied approach to weigh more recent years of learned performance as Wisst metrics are used to analyze the year-over-year changes in grid performance and reliability? b. Provide a desprisoring (i.e. changes in event, ignition, and odage runthers) and recisions of changes PGAE has observed in grid performance based on implementing system hardening mitigations, including the amount of time it look to choever any statistical changes their work of changes in PSPG election-insiding. In the part of the property of the performance and reliability?	a. The IPW model learns changes in performance through the hourly relationship between udage occurrence and the weather conditions present. We use evaluation medica side the AIRCO values an published in our WiRP to assess model skill for model deployment. To date, system interioring sin call or english feature, or input, of the PW model. Any changes in the current model due to system hardwring would come from the outage occurrence be resident relation changing risher than from in models such as the signe of the seast. For example, withen a line with objects is replaced with new poles, as occurs under the system hardwring rorgam, changes in the outage to weather relation due to gae would be reflected in the models of the late. For example, withen a line with objects is replaced with the regions. Cours under the system hardwring program, changes in the outage to weather relation due to gae would be reflected in the model for this line. C. The PW model is braked with hourly weather due that more afford the product of the third outside the system of the production of the production of the PW model blances learning any changes in the outage to weather relation over time with preserving information of historic events. For example, the PW model will be many positive changes where one area has had significant asset replacement and the observed outage to weather relation is improved in another example, the PW model will learn region change in the outage of the another complete, the PW model will learn region change in the outage of the outage of the pword of the PW model will learn region change in the outage of the pword outage to weather relation to an internation of the pword outage to weather relation to an internation of the pword outage to weather relation to an internation of the pword outage to the production of the pword outage to the production of the pword outage to the production of the pword outage to the pword outage to the production outage.	5/9/2023	9.2.1	Public Safely Power Shutoff	Risk Thresholds (e.g., WS, FPI, etc.) and Decision-Making Process That Determine the Need for a PSPS.
328	OEIS	004	OEIS_004	Ž	OEIS_004_02	Regarding EIPSS in FPW Model PRSSE discusses its ignition Probably Weather (FPW) Model on p. 788 of its WMIP. a. How does the PPW Model analyze and consister outspee from EIPSS (i.e. differentiating analysis completed)? b. How does the FPW Model account for EIPSS-enabled circular?	a. The CPW-RPV model does not differentiate between circuits that had on twe EPSS enabled currently. The EPSS organis not on operate to create additional codages, cutages carbly over the past is percent on these circuits defined by the contract of the co	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 Peparedress Provide the not cere or After Action Report for emergency training exercises for the following exercises: a Table 8-39 Personnel Training = FBARE Emergency Preparedress Training Program = FBARE Emergency Preparedress Training Program = FBARE Exercises Program = FBARE Exerc	The confidential attachments are being provided pursuant to the accompanying confidentiality declaration. a. After Action Reports are not created for Personnel Training, including the Items identified in Table 8-39. b. After Action Reports are not created for Edward Contractor Training, including the Items identified in Table 8-39. b. After Action Reports are not created for Edward Contractor Training, including the Item in Table PGES 8-40. Decision of the Contractor Training Including the Item in Table PGES 8-40. Decision of the Items of t	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 thou does PSCAE 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 financial means 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 cloudout, PGAE emission continuing to both on the groups on the depenyth impacted by doubles and who lack the cloudow, PGAE emission continuing to both on the groups on the depenyth impacted by Longes and who lack the cloud on the properties of the properties	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 Inspection Procedure, provided as "VMDF". Discovery 2023. DR. CRES QUA-0005Med/01/CONF port," If a VMI stendifies a hazard tree during a Level 1 inspection, a National Policia Vegetation of the Confidence of the Section of the Confidence of the Association inspection procedure for PTI. Once that it available, we can provide the fields that will be entered into DevMI. 8. A Vita time. POLICIA Governor the Vegetation Inspection procedure for PTI. Once that it available, we can provide the fields that will be entered into DevMI. 8. A Vita time. POLICIA Governor that Vegetation Inspection In	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 Somewhat Completed Somewhat Potential Trees Trees Worked Average Note A	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, an our response, 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 Impacts of the Completed Impacts of the Worked Average. Three Trees Worked Average. Seld Miles in Top 2016. If the Complete Impacts of the Worked Average and the Completed Impacts of the Worked Average and the Complete Impacts of the Worked I	\$15,0023	82228	Vegelation Management and Inspections	Discontinued Programs
333	OEIS	004	OEIS_004	7	OEIS_004_07	07. Regarding Vegetation. Cassed Outages a. Poguidate the Stibroing balled 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 2015-2022 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	POSE interprets this question as identifying vagetation related damages and hazards after patrolling and impacting contains impacted by PSPS. POSE started implementing PSPS in 2018, Newfore, did not collect data prior from 2015-2018. While POSE records whether or not a PSPS damage or hazard is sepalation-related, because the powerfines are de-emergized to prevent potential gains from two sequences. PSPS parishes not assess regelation fallure modes. PSPS is designed to prevent and mitigate against potential fire ignitions from any vegetation related damages or hazards imaged less of fallure modes. PSPS is designed to prevent and mitigate against potential fire ignitions from any vegetation related damages or hazards imaged less of fallure modes. PSPS in the product of the patrolline produ	5/9/2023	922	Public Safety Power Shutoff	Method Used to Compare and Evolusie the Reddie Comparement of PSPS and Wildfres

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.** in collaboration with the joint ICU team, PC&E has performed in its response to ACI PR&E.223.1, PC&E states.** in collaboration of which the size conductor.** a it has collaboration inseferenced by Convert Conductor Effectiveness Study (Table & St. Line 17). I. List PC&E other, if any, collaboration efforts with the investor-convext diffice all evaluating the effect of convert conductor of PSP risk. Left States are according to the property of the property of the convert conductor collaboration. All the property of the convert conductor collaboration. It is a property of the convert conductor collaboration. It is a property of the property of the convert conductor was discussed. Provide a list of PC&E is circuits that are fully hardened with covered conductor.	a. The Joint FOU Covered Conductor Working Group Report was provided in the original abunishous part of alastament Affabriement 2073-2072—7 DEE 2023_WMP_EID Appendix D ACI PG&E-22-11. ACRIO 1.pdf. 11. ACRIO 1.pdf. 12. ACRIO 1.pdf. 13. ACRIO 1.pdf. 13. ACRIO 1.pdf. 14. ACRIO 1.pdf. 14. ACRIO 1.pdf. 14. ACRIO 1.pdf. 15. As stated in response to ACI PG&E-22-31 in the 2023-2025 WMP. due to our PSPS modeling approach, we would ned adjust or fairs PSPF in at Reventide to account for covered conductor. Our Calastrator PSPF. 15. As stated in response to ACI PG&E-22-31 in the 2023-2025 WMP. due to our PSPS modeling approach, we would reduce the acrio 1.pdf. 15. Acrio 1.pdf. 16. Acrio 1	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 juridion. PGEEs has incroproaded the set fishe potential and vegetation begin this pSPS guidance (calastophic Fire Probability (CPPI). 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 PSPS	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, regionary potential and values for proceedings of the PSGS 1, PSGS-C, PSGS-V, PSGS-	Regimer DGES-E-S and PGSE-E-S and full documentation provided as part of WWW-DiscoveryOSD2 PRO FEB 0500-0000-00000-0000000 prof in chamilton to the Office of Denny sharbarchare and Safety on April 10, 2000-00000 provided in the Office of Denny sharbarchare and Safety on April 10, 2000-0000 provided in the Company of the Office of Denny sharbarchare and Safety on April 10, 2000-0000 provided in the Company of Safety (Safety Safety Safety) and Safety Safety (Safety) sharbarchare of Safety Safety Safety Safety (Safety) sharbarchare of Safety Safety Safety Safety (Safety) sharbarchare of Safety	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 Milgaktons
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	CEIS	004	OEIS_004	17	06IS_004_017	Regarding PG&E's Undergrounding Program a. Provide the cumulative V2 and V3 risk scores of the 2022 WMP vs. 2023 WMP undergrounding scope for 2023- 2025. This should not Include nor account for feabilities b. Provide the entirely so not be remaining risk of the milles no longer scoped for undergrounding, including: ii. The number of miles scoped for the future (past 2029) iii. Alternative mitigastons being used if no longer scoped for undergrounding iii. Alternative mitigastons being used if no longer scoped for undergrounding	It is need to the 2012 VIDNEN IV 2 and the 201	5/9/2023	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) measures discussed on page 686 of PGAEs WMP: a. Are only exclused by PGAEs for undergrounding projects and b. Cannot be used to compare the cost-effectiveness of undergrounding projects with any other projects. C # PGAE does not unequivocally agree with "a" and "b" above, please explain why it does not.	a) Yes. b) Cornect, the intent of calculating SWRSE and WFE was to support the selection process for traigned undergrounding projects only. C) We agree with a and to a statled above, with additionate installation about how WFE or the statled above. The WFE corn is used to promite and select highest risk coal effectiveness oricult segments with the expectation that the circuits will be placed underground. During the detailed project scoping performed by PrGSE's engineering team, portions of circuit segments may be identified as inferentiable to be placed underground for various environmental, operational, or technical reasons. In those cases, portions of the circuit segments exceeded until the ground the various control of the circuit segments exceeded until the ground the various control or technical reasons. In those cases, portions of the circuit segments selected using WFE may be hardered frought in removal and action overhead.	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_912_02	2. Comparing the wildfire miligation work proposed in PG&E's WMP with the wildfire miligation work proposed in PG&E's test year 2023 GRC (x) 21-06-021). a. Please describe any differences in wildfire miligation programs proposed or volume of wildfire miligation work proposed between the WMP and GRC for the years 2025-2025, and program the WMP and GRC for the years 2025-2025, and the wildfire miligation work programs proposed to the WMP and GRC for the years 2025-2025, and the wildfire miligation work programs 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 basis should include any wildfire miligation programs that are proposed in one of the proceedings but not in the other.	harderins, inheliad of undestroproduction. Oracle To the years 2022-2025 and describes officences between the Nor. The information provided below consists of summaries of longer discussions provided in either the WIAP or the CRC. The possible of which are the CRC. The possible of the CRC. The WIAP System Resilized Mitigations (2023-2025 WIAP, R1, pages 269-271). **The WIAP Operational Mitigations (2023-2025 WIAP, R1, pages 269-271). **The WIAP Operational Mitigations (2023-2025 WIAP, R1, pages 269-271). **The WIAP Operational Mitigations (2023-2025 WIAP, R1, pages 271-271). **Widtle mitigations included in PGAES **Text Year (TY) 2023 GRC but not included in the 2023-2025 WIAP. R1, pages 271-271. **Widtle mitigations included in PGAES **Text Year (TY) 2023 GRC but not included in the 2023-2025 WIAP. R1 that of the mitigation programs for the continue that the CRC. **Widtle mitigations included in PGAES **Text Year (TY) 2023 GRC but not included in the 2023-2025 WIAP. The continue that the CRC. **Widtle mitigations included in the 2023-2025 WIAP. The bids in the CRC. **Widtle mitigation included in the 2023-2025 WIAP. The bids in the CRC. **Widtle mitigation included in the 2023-2025 WIAP. The bids in the CRC. **Widtle Mitigation included in the 2023-2025 WIAP. The bids in the CRC. **Widtle Mitigation included in the VIAP. **ZOS GRC are also included in the 2023-2025 WIAP. The bids in the VIAP. **ZOS GRC are also included in the 2023-2025 WIAP. The bids in the VIAP. **ZOS GRC are also included in the 2023-2025 WIAP. **Widtle Mitigation included in the VIAP. **ZOS GRC are also included in the 2023-2025 WIAP. 2023 GRC contributed mitigation in stitutes. **The VIAP System in the VIAP Syst	5/12/2023	72.1	Wildfre Mitigation Strategy Development	Overview of Mitigation initiatives and Addresses
346	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	1	CPUC - SPD (Safety Policy Division)_004_01	Invoke updated CPUC-reportable synition data. SPTVs current data set is attached for 2014-2021. The current data is an aggregated data set based on the data found here, under fire significon Data. WSPS is requesting an updated data set between the data for the data for the synition of the data for the data was submitted if the cause of the tite was undertained. Such as the data for the data was submitted of the cause of the tite was undertained. Such as the data for the da	Please find the requested information attached as "WMP-Discovery2022_DR_SPD_004- Q001Menth" stac.* C001Menth" stac.* For colume 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 HFTDs. The ignitions that have bashes in column Ed and not come a circuit segment located in a FPA polygon and therefore do not have associated Fire Potential before for column I, Coreophy, this field is used to optime screege or 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 lated 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 Policy 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. 1.79FID**—Classify each ignition as whether it was located in a "Zone 1." The 2" or "Tile 3", or "Non-HFTD" 2."File Potential budst**—Provide the File Potential budst for the location on the day of each lightion.	Please find the requested information attended as "WMP-Discovery2023_DR_SPD_004- C001/AR015_disc". a. The requested information is identified in column H. Please Note: For column E_PPI, the Fire Potential Index (FPI) rising is only assigned to locations in a fire indischeration of the Fire Potential Index (FPI) rising is only assigned to locations in a Fire Indischerate (AN), which are polypose that typically (but not always) align with a fire Indischerate (AN), which are polypose that typically (but not always) align with location in a Fire Indischerate (AN) which are polypose that typically four for always align with location in a FIP polygon and therefore do not have associated Fire Potential Indiac risings. For column to Course, I was fire only polypose (AN) and the Research Indiac Research Indi	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)_004_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 (FIA) was forecast at a certain rating per year. Those days outsor were then multiplied by the number of CHI limit miles in each FIA to provide the certain miles days. Please noth that between 2014 and 2016 we did not recold FIA ratings below, RR, and 2022 contained state only through the first we weeke of May. FIP Rating Circuit Mile Days: Total CHI limits YEAR RIO, RES ARE SET 2014 RAN AN AN STZET 1 20850 NA 2017 2244787 2275878 20058 TNA 2017 224678 2275877 575009 1191245 745236 NA 2017 224678 2275877 275009 1191245 745236 NA 2017 224678 2275877 275009 1191245 745236 NA 2018 20058 20058 20058 TNA 2019 20058 20058 20058 20058 20058 20058 20058 20058 20058 20058 20058 20058 20058 20058 20058 20058 20058 20058 20058 200	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 are found to the relevance of the relocation of t	5/19/2023	8.3.6	Situational Awareness and Forecasting	Fire Potential Index
350	CPUC - SPD (Safely Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	5 CPUC - SPD (Safely 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 1091 collegated information relative. The number of days each. Fire before Area (TPA) vanishers and a certain relating to the property of the collegate of the property of the collegate of the property of th	5/19/2023	836	Situational Awareness and Forecasting	Fire Potential Index
351	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	6 CPUC - SPD (Safety Policy Division)_004_06	Explain how the utility is normalizing for the effect of weather and faet conditions when understanding its performance each year on ignitions relative to changing weather and faet conditions year over year.	In general, we have been evaluating our performance metrics against indicators of elevated FFF lading, on. R. and analysis for the safe several years as well as a red flag warning days. For 2022, EFSS effectiveness was used as red flag in provide am company of the provided by th	5/19/2023	8.3.6	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 0.16-GOTINEADS. 30 in table (a) Proceeding (e), please identity the circuits with OH to UG conversion projects that have no adjacent of the process of the property of the process of the process in Table (i) and (g), please identify the adjacent circuits that to be circuits with OH to UG conversion project in Table (g) through (e).	Control to Separation of Control (1) and (2) are the average looting for induited in critical test less ediption to critical test (3) of (2) expendingly for exemple, Modernon 1101 is adjuncted to a circuit being undergrounded. The average loading is provided for Anderson 1101 is not being undergrounded. The workage loading is provided for Anderson 1101 is not being undergrounded in flosse years. a) Please reference VMM-Plicocovey/2012, Pl. CallAfvocation, 602-6001 Act 101 Just's which includes a new column on table (a) through (a) of the referenced attachment indeeding (if the critical will OH) of 10.5 correson projects have an adjuncted critical. See the control of the critical control of th	5/12/2023	8.122	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_Q2	Is the fine-grained POI distribution a result of the localization of specific historical outages, characteristics of assets or environment, or both?	The fire-grained features (sharp contrasts in values between neighboring pixels) in PG&E's risk model outputs are a product of firely verying predictive coverables, including asset characteristics and environmental attributes. Please see product of firely between the production of the firely includings may influence fine-firely seems of the production of the firely produced to the production of the firely produced to the production of the firely produced to the production of the response to MGRA 000 CQ00, "At the pixel-by-pixel level," the model does entitle some level of roles that can exist in highly list bit spots in an area of generally prover its justice. For the reason, variety, and development is generally guided by circuit segment level aggregations that provide an improved indication of risk level."	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 half degree. a. Vegetain b. Tree density and height c. Asset health C. Asset health e. Asset age e. Asset type f. Fasterinop.Milication 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 helotry, were not delivery estimated for the WDRM V3. To the estert an exact is replaced as part of a written implication project, the asset health, age, and tipe would be reflected in WDRM V3 and major 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 voice downersely 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 away 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 referent is Question 10 of data request call-Accordate PCE_SCENUMS: 16, phase sugment your response for individual control of the call of the cal	Please see "MMP-Discovery2023, DR, CalAdvocates_125-Q001Alch01.vls." for information responsive to items (i)-(q).	5/18/2023	QDR	NA	Proposed updates to NF ID

				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 #Z Regarding the Maturity Survey response to Section 6.1.4 Question #Z, 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. TLO composites, a summary). To determine a comparable membodology as shown in WDRFM v.2 (described in part (b) below). PSGE identified the number of HFT on ord HFPK vicinal segments when equals 3.550 at the time of the enables. The top 2D percent of market of HFT and ord HFPK vicinal segments when equals 3.550 at the time of the enables. The top 2D percent of	1. Following up on TURN DR 10.2(b) and PCAE's response: a. Reside 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 of presents. **Second Provide Second Pro	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 General Order 95, Rule 35 and our Distribution Slandards which recommends a minimum 12-feet of clearance at time of trim in High Fire-Threat District (HFTD). PG&E also exherts 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 interming beyond 12 leet 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), the program of the PGA (1) of	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 one didents from various programs, and the Wilden's Wood Management program. This data is not available prior to 2021. 2022 153,201 temper of the programs of various for a various for programs. PGEE contracted wood yards: 2021 153,033 tem; 2021 153,033 tem; 2021 153,033 tem; 2021 153,033 tem; 2021 153,035 tem; 2021 153,035 tem; 2021 153,035 tem; 2021 153,035 tem; 2021 153,005 tem; 2021 153,	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 follows, 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), have be authority for moist special record double management (e.g. wood or light promote), decking, ripiping us to a certain diameter, piling) be incorporated into proposals for Vegetation Management work on their lands. Several policia genetice, including USFS, Nave provider OSE with their expectations for wood and debrin management, which are included in our Land Management Agreements. In addition to written specifications, some agencies have provided OSE lies shariving locations where of debrin man the removed. We communicate regularly with our agency parkers to address 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 DOLAsign 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 IEMS 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 WMP (p. 340 and p. 969), to date as localizing feasibility for the project of the control of the project of the PTD, and PTTD,	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/SDAI PCAMP-OURSED ACC ADMINISTRATION COST.	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 determined that the CalTrans teach depth requirements are filely to apply with the properties of the properties o	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 lose 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 directions.	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 oversion particle, the convenient offset from the estimated convenient rate for our oversion particle, the convenient offset from the convenient of the	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, afficiently all coats per milet SPD expects to see the following components inside of the coats, afficulty SPD understands they may not be token down in this exact format. Isospring (e.g., primile, profitable, service drop) at Design (e.g., fees for both internal and external designers) at Design (e.g., fees for both internal and external designers) v.Dorstruction (e.g., primile, contracts, long-lead materiats) v.Corstruction (e.g., civil construction, electric construction)	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)_006	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 nature mitigation efficiences as the diversees based on empirical data and cross matter mitigation of the conductor (CC) and (PG&E notes that the calculation of risk miligation effectiveness can be computed in various ways, and bating different approaches to calculate effectiveness for different calculations of the property of the calculation of the calculation for covered conductive was included as being the most "mature" because the joint IOUs agreed upon a common methodology of using a combination of estimated effectiveness based on analysis of overhead transferred localizons across multiple years of installation. If the property of the prop	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 (Sulesy Division)_000	2	CPUC - SPD (Safety Policy Division)_006_02	2.PGEE asserted that PGAE is addressing the risk from secondary lines and service drops in part via replacing the secondary with covered service drops and service drops [see PGAE] case (sold covered service). PGAE are seponded to a developed processor at 9.6 PGAE case (sold service drops). PGAE service and that there may need to be messaging update because the 90% miligation effectiveness is only meant to apply to primary lines not their entire statistic risk. Which is a possible of the process	a. As discussed during a staff meeting with SPD on May 3, 2023, PG&E currently states in stating point, the PG&E veedule, and in customer metinetis that "Placing 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 (Safety Policy Division)_007_01	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 confidentially depend and incincing volume and CSR and Cooper LIPE. The Wire (page 10 of 12) in PCASE detailed (1996)28, "Conductors for Ownhead LIPE." The Wire (1996) 10 of 12) in PCASE detailed (1996)28, "Conductors for Ownhead LIPE." In WIND-Discovery2023_DR_SPD_007-confucion we use in the primary voltage system. We use RE PLD CUI in moderate and severe corrosion areas in place of 10 ACSE. The larger conductor sizes (1987) 5 and 715.5 jie and 314.5 j	5/18/2023	8.1.2.1	Grid Design and System Hardening	Covered Conductor Installation — Distribution
384	CES	006	OEIS_006	1	OES_006_01	Regarding PGAE's response to GES DR 2 Question 10. Allachment 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 apporting documentation and criteria. Including any procedures and respective protocol demonstrating decision- ground and instances would a Safendaria Change lead to extending a work order due date? Provide all supporting documentation and criteria, including procedures and respection protocols demonstrating decision- cian what instances would a Safendaria Change lead to extending a work worker due to death? Provide all supporting and procedures and respection protocols demonstrating decision-making. Additionally, provide examples in which this has occurred, including any sweeping changes. Additionally, provide examples in which this has courred, including any sweeping changes. Provide the work order documentations associated with each of these large (s.E. Editer Corrective notification). In Are these large still open't Prot, provide the respective completion date for when each fag was closed, as II. Provide the two vice devolutions are considered with an extending was closed. Set II. Provide the two vices of the proper in which the State of the state of the proper in which the State of the provider is large of the projects in which the State of the vices associated with, including details on the associated miligation being used. In Provide a list of the projects in which the State of the vices associated with, including details on the associated miligation being used. Provide a list of the projects in which the State of determine whether or not a work order meets spillion risk criteria, including any retervant thresholds (equipment type, risk soze, etc.). This should disc include an optimisation as the own KEEP providers with the categorization of riginion is kit to planning for their great of the proper in the vices of the proper	GOO LANCOCONE pell CONTINUENCIA CONTINUENCI	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 Riching confidential attachments from Call-Advocates Data Requests: i. Allachment 1 in response to Data Request 150 Question 13. a. Rachament 1 in response to Data Request 210 Question 3. b. Provide the Story of Call Call Call Call Call Call Call Cal	The COVPIDENTIAL attachments are being provided pursuant to the accompanying conditionation. In Please see "With" Discovery, DR, CES 0.08-0002Abct/01CON2 sign for the requested conditional attachments previously provided to CA Michocotes. In Please see "With" Discovery, DR, CES 0.08-0002Abct/02CON2 sign for the requested conditional attachments previously 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, Ouestion 3. A For each of the circuit segments listed in part (b), provide the following via Excel: I.WFE Sec. I.WFE Sec. II. Featibility scores II. Featibility scores III. V3 risk scores III. V2 risk scores III. V2 risk scores III. V2 risk ranking III. V3 risk ranking III. V3 risk ranking III. V3 risk ranking III. PGAE's plants for mitigate risk, including misigation type(s) III. Varity of misigation implementation, as applicable.	Please see attlachment "WMP-Discovey2023 DR, CISES 006-0003AuthOl Sach for the requested circuit sparrier default. Please not the following: - There are difference between the WDENI V2 and the WDENI V3 and a, as a result, there are the contract segments that have a V3 risk. - The SWRSE and the WTE Soone are the same as described on page 960 of the WMP. - In the previous TURN response, CAME EVERS 21018L2101 was referenced incorrectly and has been controlled to CAME EVERS 21018L2101. Values that display 0.000 may have additional digits post the three decimal points and can be found in the cell.	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 du	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 rates 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 other include only influency from PGAE's NSD inspections, not CO1.95 respections. Find rates for other includes only influency from PGAE's NSD inspections are considered to the control of the co	6/5/2023	8.1.3.2	Asset hispections	Distribution Asset Inspections

391	CEIS	008	OEIS_008	4	OEIS,008_Q4	Regarding PCASE is response to TURN OR 10 Casestion 4 a. Provide Allachment 1 with the following additional columns: 1. Length of line (m) 1. V. Stilks Rank 1. If not included above, provide the V3 risk rank for the following CPZs, and explain why they are not included in the above. 1. BURDEN 11 (1953) 1. CREEN VALLEY 210112106 1. CREEN VALLEY 210112106 1. CREEN VALLEY 210112106 1. V. AMESION 110060588 1. V. AMESION 110060588 1. V. AMESION 11001598 1. M. M. GRANGON 21005058 1. M. M. ANTON 21005220 1. V. PASCONANT 10011515 1. W. SHINCLE SPRINGS 21005072 2. W. PASCONANT 10011515 2. W. SHINCLE SPRINGS 21005072 2. W. EL VILLE 10050000 2. W. W. SHINCLE SPRINGS 210050072 2. W. W. W. SHINCLE SPRINGS 210050073 2. W. W. SHINCLE SPRINGS 210050074 2. W. W. SHINCLE SPRINGS 210050074 2. W. SHINC	a. Please see attachment "WMP-Discovery 0003_DR_OES_009-0004Ash0f1.stor" for the requested updates. Length of the (m), V3 bleven files Score, V31 Total Risk. Score, and V3 Risk Risk car she found for Column F-I, respectively, Length of line (m) is represented by the field ubmardered overhead high file (HFTD + HFRA) miles, as the original date repeat requested to HFTD and HFRA cross tegments. In the column F-I respectively on the control of the Risk Column F-I respectively in the country of the Risk Column F-I respectively in the control of the Risk Column F-I respectively in the CFZ size of the Risk Column F-I respectively in the CFZ size of the Risk Column F-I respectively in the CFZ size of the Risk Column F-I respectively in the CFZ size of the Risk Column F-I respectively in the CFZ size of the Risk Column F-I respectively in the CFZ size of the Risk Column F-I respectively in	5/31/2023	Appendix D	Areas for Continued Improvement	ACI PG85-22-34 – Revise Process of Prioritizing Wildfire Milgations
392	CPUC - SPD (Safety Policy Division)	008	CPUC - SPD (Safety Policy Division)_008	1REV	CPUC - SPD (Safety Policy Division)_008_Q1RE	SP0 appreciates the timely response and provision of ignition data as requested, via "WMF". (Discover)(202, 198, FP0, 004-000 Michol"). However, it appears the data in Column U (DuStage Date) and V (D). (DuStage Timer) were provised in an incorrect format for rows beyond row 489. PG&E needs to resultant the oblass with correct closing data and time information. Peases provide a corrected data file with rows beyond row 489 in the correct formats. If the other control of the special peace in the correct format. Provide corrections in the pareadather and resubmit.	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_01	CO1. Regarding PCAE's Secondary and Service Lines a. What percentage of PCAE's exceed 2023-2026 undergrounding projects have associated secondary or service lines? What is the mileage of south itee? b. What is the mileage of south itee? b. What is the root of undergrounding mileage to secondary or service lines for PCAE'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 PGAE's undergrounding projects have associated secondary and service lines because our cutomers are served through those facilities. PGAE's GIS system does not accurately represent all secondary and service conductors in such a way that we could calculate the milliage of rescordary and service conductor and the service conductor of the service conductor and the service conductor of the service conductor and the service conductor of the service	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 - SPI0 (Safety Policy Division)_009	1	CPUC - SPD (Safety Policy Division)_009_Q1	1)On pages 348-347 of the 2021/WIAP PCAE discusses to faith reduction from undergrounding work and distinct the plan of all fines PCAEs. Busing in this reduction in the highest widther into the season sentimizing approximately 18 percent of existing widther risks the end of 2005. *Please all-borate and show how PCAE calculates 18 percent in widther links where widther risks reduction from undergrounding work. 3/*Noting who begins of risks did PCAEs user? 3. How much this reduction was assumed for each year? 3. Was one vertical used for some years intervection and another version used for other year(s)? 6. Was one vertical used for some years intervection and arother version used for other year(s)? 6. 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 Pelloy Division), 200	2	CPUC - SPD (Safety Policy Division)_009_02	2(0n page 545 of tis 2023 WMM PCAE states there has been a "Reduced size and duration of PSPS events" and claims. "This is an indicator of increased operational maturity, flexibility, and system resilience." as it that claim clienced loward PSPS" b.II. byes, is it not at least in part or perhaps implied, that PCAES increased operational maturity, flexibility, and resilience is also relying on other processes such as EPSS (flast trip)?	No. Rp: PSO perfect independently of PSPS and is based on different otheria and thresholds designed to miligate hazards and breast hold a loss of different otheria and thresholds designed to miligate hazards and breast hat can lead to risk of griptions and fire under not PSPS conditions. See Section 8.1.8 in additional process of the process of the process of the page of the	6/8/2023	9.12	Public Safety Power Shuloff	Identification of Frequently De-Energized Circuits
396	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	3	CPUC - SPD (Safety Policy Division)_009_Q3	3)PCAE has less than the required number of personnel with required training for several categories in Table 5- 39: PCAE's Personnel Training Programs for Wildfire and PSPS Events. Other tables related to staffing inclicate if for example, at Staffing will complete shringing on time and reasons for not all belong completed in the immany of table's required provision. Why are there less than required values of personnel not completing the training?	PG&E has a constant influx and outflow of new personnel in its Emergency Operations Center (EOC). As such, we are at various stages of training completion. In addition.	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	AJRGSE provides means to verify message receipt in Table 8-48 PGSE's Protocols for Energyancy Communication to Stateholder Groups. Now accurate is this necept information with regard to verifying message are reacting intended recipient/resident to aid in intended safety 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 outsomer of record associated with the premise identified as impacted by a potential PSPRS_PSS outsige, and/or outsige due to a widther. Protree is a simple of the protree of	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 inner notifications to APNAMS interpoyers. How does PGRE know that these notifications are received and that contact information is up to state? A Dees PGRE have a way to continuately principality entity that the contact information on file is current to help ensure such important notices are being received by the intended recipients?	Our MEL and SW catcheries are ent annual communication of their by email or a potactor (if it am entil and devices in or provided by the catcheries between March and August. to reinforce the importance of traving up-to-date contact information on file and concurage them to provide an internative news of contact for PSP confidentions. MBL MEL and the control of the march of the contact information or MEL their PGEE account and updates their information or when it is provided to a PGEE regresseration. Per contact information or he authentity or simple channels, Requises to bright so deficiated suffling member or decentreed that implements changes. For example, contact information or he authentity or supplice than one, Requises to bright so deficiated suffling member or decentreed that implements changes. For example, contact information can be changed by contamers via our website, which updates our systems of record directly. To Quality Assure and Quality COLOTTO (QACC) the Mitt. and SV audismore contact information is one contact in submitted the contact or defer program poliptications (e.g., CAREDERA and redates) for an adult sync between our Selection Application (used the submitted through any processes are consolidated year-count to help menure the MBL and SV contact information is current. PGEE considers PSP confidencies for medical baseline coasterer as "received" if one PGEE considers PSP confidencies for medical baseline coasterer as "received" if one for the customer, e-mail is opened or a link within the e-mail is clicked, or the customer was successfully contacted and received.	6/8/2023	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
399	CPUC - SPD (Safely Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	6 CPUC - SPD (Safely Policy Division)_009_06	6)PGSE meetions pre-pandemic in-person engagement. Does PGSE have data comparing pre pandemic engagement to pandemic imerianse engagement efforts and among other things, attendance? For instance, are there metrics/data regarding non-AFNMB and AFNMB?	For community events and gauging levels of customer standardonorintered, POSEG does not three specifics on customer demorganity in stream of whe stands can Virtual events of the customer of the customer of the customer select not to share their personal information (satenders above up as canoprosca). From the selection of the personal information (satenders above up as canoprosca), From the selection of the personal information (satenders above up as conducted in person, except for all our AH-Customer verbinars. During and post pandemic (2020-2023), Regional formation of the customer selection of the customer selection of the customer verbinars. During and post pandemic (2020-2023), Regional forms that and standard verbinars events, up from 2021 & 2022. The table below summarizes the standardon cof our events by year and the person-verbinary desiration of the customer of the custom	6/8/2023	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
400	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	7 CPUC - SPD (Safety Policy Division)_009_Q7	7)PGSE states that if an AFN customer does not answer the door, the notification is considered successful if a door harger is left. What industry policylpractice is PGSE following that classifies a door harger as a successful rotification?	communities. During a PSPS event, medical baseline outdomers receive automated calls, toot and e-inails at the same indevoils as the general outdomer rodifications. In addition, these in the present outdomer rodifications. In addition, these control outdomer confirms exceeded of the rodifications by either answering the plane, responding to the least or opening the email. If confirmation is not received, a PGSE representative visible the outdomer belone to be set the outdomer of passed to the confirmation of round y softilation reflexe, referred to as the founding process. The positional region of rounding the result of the process is above and beyond the guidelines set forth in CPUC's decisions under R. 16-12-005. While PGSE has not specifically benchmarked as an roundary practice, the refer point Callerina OLD has beginged on this process. The door which the process is above and the process in the process	6/8/2023	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
405	CalPA	Set WMP-26	CalPA_Set WMP-26	1 CalPA_Set WMP-26_Q1	(a) Please describe your general process or strategy for developing load forecasts. (b) Di you have a written process or procedure for developing load forecasts? (c) If the answer lo(b) is "yet, provide op," (d) If the answer lo(b) is "yo", explain why 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 of Process and	8/10/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
406	CaIPA	Set WMP-26	CalPA_Set WMP-26	2 CaPA_Set WMP-28_Q2	(a) Do you consider load, growth projections when you determine which system hardening measures to deploy for widdle mitigation purposes? (b) if the answer to (a) is "yes", explain how load growth projects influence your mitigation selection process. (c) if the answer to (a) is "ro", explain why not.	c) System hardering measures are selected based on wildfire risk and ignifion risk mitigation needs, not loading. However, any loading concerns (including load growth projections) are addressed during the system hardering project scoping and design phases. such as the pagistation of new maritime califoroductor, additional reactive power or voltage control equipment, upgraded protection, or additional phases.	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 CaPPA_Set WMP-26_Q3	(a) When you plan system hardening projects for widfire miligation purposes, do you design projects to accommodate forecasted road growth or projects to accommodate forecasted road growth or projects 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 milityation purposes the topoge and design of the project may be influenced by forecasted upda growth. 1) The design takes into account a 15-year substitution treatment and delibration of the project	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 growth in an area, where supplicité, and for operational opacity requirements to support switching and regular maintenance. However, not all areas are forecassed to regular 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, (c) if the answer to (a) is "ros", explain why not.	 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. The provident of the providential contains the provident of the provident of the stremments circuit by Thursday, Anguel 24, 2022. The state of distribution crucial (suppler (a)) Captes liced (subplex) (b), and their capacity (subpart (c)). The list of circuits includes only those circuit included in the distribution painting process. Single-customer circuits, be cable, and discretizal serior for included interest of the state of the contains are not included to the state of the	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	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 distinctioned 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 statisticutes for our primary gloitablution system. Line section articutes may include additional circuits not shown in the response to DOOS. The list of circuits in COOP includes only those circuits have desirated upon the distillution contains the contained of the contained of the contained of the contained of the contained contained of the contained of the contained of the contained	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 reterieved by the Wall Street Journal and interviews with utility cerecutives. 3 DIA FGAE provides an internal analysis to the Wall Street Journal and described in the article? 5) If the answer by part (p) is yes, please provide a copy of the internal analysis often the article. 6) If the answer by part (p) is yes, please provide a copy of the internal analysis to the Wall Street Journal and Street S) 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 altachment "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 Steet Journal and interviews with utility executives. [Psisse reviewed by The Wall Steet 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 stefficion.] [Psisse quantity Targely Ineffective.]	a) PCEAC did not say that the sen's was interply indefentive PCAES provided the blookingty materials of VISA (however, PCAES coursed follows the Preview send by VISA PRO A CONTRACT OF THE PARTY OF T	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 the saltings a study that is planned to be completed by Aure 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_PGAE_23.02 Rays 36 of PGAE* response states, "PGAE is currently working to integrate QC with our execution processes to drive quality during initial work execution." a) Describe how PGAE* will relegate QC with execution processes. D) Describe how PGAE* will relegate QC with execution processes. D) Describe how QC and QA processes in place at the beginning of 2003 for a deatile distribution inspection. The processes of the inspection, and ending when QC and QA are both complete. D) Describe the QC and QA processes the PGAE is proposing—in which QC will be integrated with execution processes. The processes of distribution inspections that will undergo the integrated QC process that PGAE is proposing.	 o OA performs statistical sampling of QC completed locations per the 95% confidence and 5% margin of error criteria described in the VMMP; tl o OA suitions perform the field sudits as identified during the sampling process; 	8/15/2023	8.1.6	Quality Assurance and Quality Control	N/A
423	CalPA	Set WMP-28	CalPA_Set WMP-28	2 CalPA_Set WMP-28_Q2	RN-PGSE-23 d2 Page 3 5d PGSE's response states, "PGSE is currently working to integrate QC with our execution processes to drive quality during initial work execution." A) How will PGSE tax the quality for sase! inspection work under the integrated QC process (which was previously tracked as a QC pass rate)? b) What metrics or measures will PGSE use to identify a possible downward trend in the quality of asset inspection work?	a) The quality of asset inspection work is being tracked by using data on OC failures to inform distributed and plans withing here visibility into opportunities for improvement in initial work execution, driving quality after source. Where applicable, PGSE will also continue to track OC plans rated as we have done previously. b) PGSE dittibes protect charts, among other boats, b track to fair finding types which are reviewed with state-holders to formulate data-driven plans of action. Where applicable, PGSE will also continue to review OC plans rates.	8/15/2023	8.1.6	Quality Assurance and Quality Control	N/A
424	CalPA	Set WMP-28	CalPA_Set WMP-28	3 CalPA_Set WMP-28_Q3	RN-FG8E-3-02 [Therefore are 35 of PG8E is reported states that PG8E will perform field QA audits on 500 lates 6-7.1 (Revisions are 4500 detailubent one-foloss. a) Provide a breakform of 1500 detailubent one-foloss. a) Provide a breakform of the 500 transmission locations by impaction by per. For example, how many of these locations will suit of leading for grant impactions, how many will suit after imprecioning, those many of these locations are suited leading found impactions, how many of these locations will suit the suited leading found impactions, (No many will suited impactions, those many of these locations are suited for the suited for provided in the suited in productions, (No many will suited impactions, the suited in the start in proportions, the suited provided in the suited in productions, the suited provided in the suited in productions, the suited provided in the suited in productions and the suited in productions are suited in the suited in productions and the suited in productions are suited in the suited in productions.	a) All GA audit locations are sourced from completed CC ground or deakbop audit locations. Both ground and deakbop CO clostions have an equal but random likelihood of appearing in the GA sample. Due to the mandom nature of the sampling, it is not possible to determine in advances the quantities of each impection type which may appear in the GA sample. By the process of the ground of the grou	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.PGAE.23.02 Table RN.PGAE.23.02-1 on page 36 of PGAE's response shows higher QC pass rates in 2023 (as of July 25, 2023) than in 2023. If per lack of the four QC categories displayed in Table RN.PGAE.20.02.1, provide the sample size (as both a number and precurage of stabl) that have undergoore QC in 2020 as of July 25, 2023 are number and precurage of stably in the sample size (as both a number and precurage of stable) that have undergoore QC in 2020 as of July 25, 2023 countered and the sample size (as both a number of sample size (as both a number of sample size) and sample size (as both a number of sample size (as both a number of sample size).	31 Type 1 yes or Naus Falls Results Falls Re	8/15/2023	8.1.6	Quality Assurance and Quality Control	N/A
426	CaPA	Set WMP-28	CalPA_Set WMP-28	5 CaPA_Set WMP-28_Q5	RN-PGAE-23-02 PRO-PGAE-23-02 Progrey 2 Procks interporte states, "By being flexible with how we deploy our quality management resources, we Prage 2 of PGAEs interported in annual code to our customers in 2024 and 2025 and yet achieve comparable quality enfortmenter resources." a) State the basis for PGAEs estimate that its proposed QC process will miligate \$20 million in annual costs to customers. b) State the basis for PGAEs statement that its proposed QC process will achieve comparable quality performance results. c) Please describe the methods PGAE will use to track and compare the quality performance between its proposed QC process and the QC process in place at the beginning of 2023.	a) By pasting Quality Control Colore to the work and enabling existing personnel to address and militage leaves feather, well recent that less better sampling of locations through CD will need to occur and issues will be identified up front. This \$20 million efficiency is a forecast based on the savings we and righted through receiving to sample less locations, and improvements to the quality of work up front of the property o	8/15/2023	8.1.6	Quality Assurance and Quality Control	NIA
427	CaIPA	Set WMP-28	CalPA_Set WMP-28	6 CaIPA_Set WMP-28_Q6	RN-PG&E-23-02 Table 6-18-1 (Revised) on page 37 of PG&E's response states that: -2.85.16 distribution locations underwert field QA sudfis in 2022, and -2.85.01 distribution locations in the HFTDs will undergo field QA sudfis in 2023. Govern that approximately one third of PGAE's overhead distribution lines are in the HFTDs (per Table 5-2 in PGAE's 2023-2023 VMIP), piesse explain why the proposed audit sample size in 2023 is approximately one tenth of the actual sudit sample size in 2023.	oversight where it will deliver the greatest value in the areas of highest risk.	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	RN-PG&E-23-03 Page 41 of PG&E response states, "The likelihood of experiencing an extended outage (i.e., an outage of 12 hours or more) on EPSS enabled lines was 20% lower than for all PG&E outages in 2022, and for Medical Baseline or Vulnerable customers the same pecentage was 10% lower than for all rough contages to the properties of the properties	a) PG&E has not conducted a specific analysis relative to drivers of extended outages between EPSS and Non-EPSS enabled lines. b) N/A. j) Clower the elevated wildfire risk suscisted with EPSS enablement, PG&E prioritizes our response procedures to EPSS outages by dispatching the closest available.	8/15/2023	8.1.8	Grid Operations and Procedures	N/A

429	CalPA	Set WMP-28	CalPA_Set WMP-:	8 8	CaPA_Set VMP-28_Q8	RN-PG&E-23-03 Page 44 of PG&E's response states, "PG&E estimates that by the end of this WMP cycle, we will have relocate widtler risk in the HFTDHRFA by 94 parcent strough a combination of permanent first reduction (system resilience mitigations) and operational a). State the basis for the estimates by the end of its VMC cycle, PG&E will have reduced widther risk in the HFTDHRFA by 94 percent. b) Provide any supporting data for your response to part (a). c) Please disaggregate the estimated 94 risk reduction figure into the amounts attributable to permanent risk reduction and operational misgations.	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	CalPA_Set WMP-28_Q9	RN-PGSE-20-04 Page 55 of PGSE's response states, "Instead, we will eliminate the entire HFTD mainternance tag backlog by 2020:" a) is the above statement intended to refer to the HFTD mainternance backlog, or the HFTD/HFRA mainternance backlog, or the HFTD/HFRA mainternance backlog, state when PGSE will eliminate the entire of the HFTD mainternance backlog, state when PGSE will eliminate the entire of the HFTD mainternance backlog, state when PGSE will eliminate the entire of the HFTD/HTPA/P	a) The above statement refers to the maintenance backlog 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	NA
431	CaiPA	Set WMP-28	CalPA_Set WMP-:	B 10	CalPA_Set WMP-28_Q10	RNF-058-23-04. To page 46 of PG&E's response shows that, under PG&E's proposed plan to address maintenance lags, the everage open notification age will remain at or under two years. Under PG&E's previously at the PG&E's previously and previous (in PG&E's March 2023 VMMP) plans to address overdue maintenance? b) If the answer to part (i) is year, please provide a table or figure to show the average number of days that the previously and the PG&E's previously at the previous	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	CaiPA	Set WMP-28	CalPA_Set WMP-:	в 11	CMPA_Set WMP-28_Q11	RN-PC&E: 23-04 Footnote 16 on page 52 of PC&E's response states, "PC&E will develop a risk spend efficiency by isolation zone bundle and not includious laps, We will identify groupings of EC notifications in an isolation zone (similar to a circuit protection zone) and some her wildline risk of those notifications. This sum will be divided by the sum of the all the state of the st	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 S. E. F., and H. Schall and the scoring of th	8/15/2023	8.1.8	Grid Operations and Procedures	N/A
433	CaIPA	Set WMP-28	CalPA_Set WMP-:	8 12	CsiPA_Set WMP-28_Q12	RN-PG&E-23-04 PG&E states that an isolation zone is "similar to a circuit protection zone" (footnote 16 on page 52), a) Define "solation zone." b) is an isolation zone is entired at a circuit protection zone? c) 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	NA
434	CalPA	Set WMP-28	CalPA_Set WMP-:	B 13	CaPA_Sel WMP-28_Q13	RN-PGBE-22-04. RN-PGBE-22-04.	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 head of the conflication be carcinated by selecting this ciption in the inspect Ago when they are in head of the conflication of the co	8/16/2023	8.1.8	Grid Operations and Procedures	NIA
435	CalPA	Set WMP-28	CalPA_Set WMP-:	8 14	CaPA_Set WMP-28_Q14	RN-PG&E-23-04 Table RN-PG&E-25-04-6 on page 59 of PG&E's response estimates PG&E will create 70,200 level two tags in 2022, 59.000 level two tags in 2025, 59.000 level two tags in 2026. State the tables for the reduced number of level 2 tags PG&E brecasts being created in 2024 and 2025 compared to 2020.	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-203-2047 (page of 10 the Revision Notice) shows PC&E's planned laspections by inspection type and by IMPEA/HTD be Impeach to IMPEA/HTD be IMPEA/HTD be Impeach to Impeach to Impeach IMPEA/HTD be Impeached IMPEA/HTD be	8/15/2023	8.1.8	Grid Operations and Procedures	NA
436	CaPA	Set WMP-28	CalPA_Set WMP-:	в 15	CMPA_Set WMP-28_Q15	RN-PC&E 23-04 Page 63 of PC&E'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) on one pose an increased ratk of prillion. Insided of Insulary a non-potential indicator of a histic assert health issue.* I specified the proper of the prillipse of the pr	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 insulation, 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 condition of the priority and the condition of the condition of the priority of the condition of the condition of the priority of the condition of the	8/15/2023	8.1.8	Grid Operations and Procedures	NIA

437	CaPA	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 snawer to part (a) is no, explain with not.	a) FOREE has not considered them for overhead system hardering. Since lake 2021 FOREE has priorite 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 socie problem projects in socie prospits the remainder of this VMP period (2023-2025). As statled in response to Revision Notice 23-05. POREE is in the process of constructing a benefiticout model that will incorporate several elements of our discovering a service of the system of the system of the construction of the control o	8/15/2023	8.12.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
438	CaIPA	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-23-24 in its 002-2025 VMP) past the first of occul et is one understanding (then PGSE's response to ALP-GGSE-23-24 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 properties of the intermediate fact for each crucial segment. Mean risk is the average risk per pixel, or the summation of risk score along the crucial segment and indiring that by the manned of prized the line passes through the properties of the diverging the properties of	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 overhead 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 cultipage combinations (evolution) patiented outges, PSPG and EPSS outges) that occurred in PSAEs in PTD during willfilled the production of the PSS outges outg	8/15/2023	8.22	Vegetation Management and Inspections	Vegetation Management Inspections
440	CaPA	Set WMP-28	CalPA_Set WMP-28	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 to decoration the use of the TAT and will be moving forward with industry accepted assessments using the TRAO form. 3 Given that, beginning in 2024, he second of FT will be similar to the scope of EVM (approximately 1,500 miles), please explain 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	CalPA_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) way, pickers describe the study PGAE plans to perform, and the date PGAE plans to conclude the study. (I) the answer lord (a) set, pickers accorded to the Study PGAE plans to perform, and the date PGAE plans to conclude the study.	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	822	Vegetation Management and Inspections	Vegetation Management Inspections
442	OEIS	011	OEIS_011	1	OEIS_011_Q1	Regarding distribution desiried 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.	Treated to the state of the sta	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	Inneline than has been historically executed, allowing for threier opportunities for re-training inspectors, sharing learnings, and making corrections, as necessary, by largeting shorter finelines to review and identify issues. PG&E can work with stakentions within work has been recently completed, enabling both more limited to the control of the co	8/23/2023	8.1.6	Quality Assurance and Quality Control	N/A
444	OEIS	011	OEIS_011	3	OEIS_011_Q3	registering "design "design "design and design and desi	8: f - relative area er aphro851 delocuted integration consequence (apply) in the same approach to our vegelation management CD. 18: POSE WILL CONTROL OF A CONT	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 CDR (Cl 1 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

							QUI. Regarding PG&E's Response to RN-PG&E-23-07	3. PG&E will update our FTT procedure to reliect a change in process for 2024 that will				
446	OEIS	012	OE	DEIS_012	1	OEIS_012_01	Comparing that there are the field in Charl-Mix collect Level 2 inseptions data. The TRAD form will not be digitized, 2 and the Procused The Inseption procedure does not require inspection to bits a photo of competed TRAD clams, 3 what data and information on PoESE pint to use to perform field-desed quality control or network of the Charles of the C	require users to record level 2 inspection data through a digitized Tree Risk Assessment from The Interfel si to creat a record of every sides pedential free values of the property of the	9/27/2023	82225	Vegetation Management and Inspections	Focused Tree inspections
447	OEIS	012	OE	DEIS_012	2	OEIS_012_02	OZC. Regarding PGAE's Response to RN-PGAE-23-03 a. Is its response relating to EPSS, PGAE-estages that if vices not have detailed mitigation effectiveness analysis at a bit in Street in the Control of	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 ratio you will unafficient accuration? In the provided of the provided provided in the provided provided in the CR grantin and the current provided in the CR grantin and the current proporated for the receivance of the CR grantin and the provided provided in the Vermitter of this year. The differences between this calculation and the current approach do not necessary include	9/5/2023	8.1.2.10	Grid Design and System Hardening	Downed Conductor Detection Devices
448	ceis	012	Of	DEIS_012	3	OEIS_012_Q3	CO3. Regarding PC&E's Response to RN-PC&E-23-04 a Table RN-PC&E-25-64-1 user "Aged Backlog Units Desculed" and "Aged Backlog Units Remaining". Provide a Table RN-PC&E-25-64-1 user "Aged Backlog Units Desculed" and "Aged Backlog Units Remaining". Provide respectively. b Since PC&E's initiation of FSRs, power's the following data break most amount of the response to an FSR. I The number of Instances in which PC&E carelated a work order in response to an FSR. It The number of Instances in which PC&E carelate new work order in place of the sensing work order in it. The number of Instances in which PC&E carelate new work order in place of the sensing work order in it. The number of Instances in which PC&E combined work orders in response to an FSR. It. Details no how PC&E tracks the solid (I prough) (iii) within its disablesse. IPC&E does not currently track and instances, explain why. I bear of the PC&E workplain new orderion and resources realising to handling its backlog. This should include, but not be limited by. I Balancing, relating, and obtaining workforce and personnel is Resource limitations, such as obtaining received equipment and supply chain issues, and how PC&E intends on its Tainning for exponente working or loads, including dates in how to I identify, prioritize, and respond to repairs e. How is PC&E tracking and prioritizing lightion risk tags that are Priority E or F?	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	OE	DEES_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 stat.") In sit. Please see shadriment "VMM-Discovey/202 DR CDEs (172-000A44201 stat.") 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 of	9/5/2023	72.1	Wildfre Mitgation Strategy Development	Overview of Miligation initiatives and Activities
450	CalPA	Set WMP-29	CalPA_	_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 symptomized date by which PG&E plans to implement its integrated QC process, described above. a) Provide the symptomized process, presentations, reports, or other documentation that describe(s) PG&E's proposed integrated QC process. Another documentation that describe(s) PG&E's proposed integrated QC process. Q Resease provide any procedure, shardbooks, checklists, or job aids that personnel will use when implementing PG&E's proposed integrated 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 finelier opportunities for re-braining processes, such cases of the processes, and constraints for the retirements of the enterior of the enteri	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 correct 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 ground distribution). The perform OC influence and the performation and perform OC influence and the performation process within the SCIC procedure. This typically occurs within 14 days but could be exposer or later depending on fail conditions, business need, and sampling methodology, but similar to our response to subpart (a), there is no requirement/standard for firming of sampling.	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 dall it 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 it 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 enabyles by December 31, 2020. See al. 2020. We can complete that enabyles by December 31, 2020. See al. 2020. We can complete that enabyles by December 31, 2020. See al. 2020. We can complete that enabyles by December 31, 2020. See al. 2020. See will be seen that the SEQ of	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 like the provide any supporting studies, analyses, reports, or other documentation to support your response to part (a).	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 coldicion () by definition our EPDS device protection setting must overexelor insulies to design of the control of the	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 TCAET regly comments filed 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) (1,100 out	a) No. PG&E 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 Program(s	9/27/2023	72.1	Wildfre Mitgation Strategy Development	Overview of Mitgation initiatives and Activities

		ı	1			Q01. Regarding Section 6.1.1, risk score calculations		1			
458	QEIS	013	OEIS_013	1	OEIS_013_01	It is undeer from statements in its revised 2023-2025 WMP (printed 87) whether PG&E uses probability distributions or maximum value in its risk coore advantage—indiations (IntEl) multipled by consequences (average) WMP by pixel which are than aggregated to a risk store for splens used to activate mean (average) WMP by pixel which are than aggregated to a risk store for splens inconsistent with Table 9.2.2.1 on clouds a replace of the consequences are readulated in section 6 appears inconsistent with Table 9.2.2.1 on calculate safety consequence and that maximum buildings impact from Technosytra simulation is used to calculate framed consequence. To address this data request: 1. Please indicate whether the consequence component of PG&E's risk score calculations (CoRE) uses averages or maximum values.	a) As indicated on page 173 of the Second Revised 2023-2025 WMP, the wildfire consequence used in the Windline Distribution Plak Model (WDRM) videos mean proceedings of the Windline Distribution Plak Model (WDRM) videos mean proceedings of the Windline Second Windline Consequence wild be provided an annual wildfire risk value and, as such, utilizes mean (werapp) values to represent the wildfire consequence values described in Tables 22-21 on page 500. b) The safety and wildfire consequence values described in Tables 22-21 on page 500. causefully the risk and benefits associated with initiating or not initiating a PSPS during high wildfire risk conditions. As described on page 500, the molecular school of the page 500 of the Windfire Consequence of wildfire that APSPS risk during the high wildfire risk conditions prompting a PSPS event. To believ represent school of the Windfire Consequence are used.	9/13/2023	6.1.1.1	Risk Score Calculations	NA
459	TURN	014	TURN_014	1	TURN_014_Q1	On September 11, 2022, PCSEE submitted a request to applement in 2022-2025 WMP purposes, on within CES reported on September 13, 2022, PCSEE's request indicated that PCSEE withers to include additional information responsive to items raised in the 2022-2025 Retiron Motion. Please provide all columners (see the instructions above regarding histograting personners) and provide all columners (see the instructions above regarding histograting personners). 7, 2022 (the date of PCSEE is response to the Revision Notice) that reflect communication between an employee or other representative of PCSEE and an employee or other representative of PCSEE and an employee or other representative of PCSEE and to PCSEE insideal OFCSEE 2022-2025 VMLP. Please exclude from the response documents that are publicly available through the CES Welders, such as did recognise from CESE and PCSEE responses to	Please note the attachments to this response contain confidential material. PG&E objects to this request on the grounds that it is overtroad and unduly burdensome. Additionally, PG&E objects but is request to execut that it requests documents that are protected by the attorney client privilege. Subject to and without containing the protected by the attorney client privilege. Subject to and without protection of the protec	9/20/2023	N/A	N/A	NIA
460	OEIS	014	CES_014	1	OEIS_014_Q1	OO1. Regarding Wildline Benefit Cost Analysis a. In PG&E s Supplemental Revision Notice Response, PG&E states that it "will be moving away from the WFE to a Wildline Benefit Cost Analysis (Mod.) at the cross segment level. "(p. 78) i. How does PG&Es WGC, factor in Insatisitility ii. How work pG&Es wGC, factor in Insatisitility iii. The example of the monitoring consistency of the property of the	Instability / residentity is their once of multiple feations that a used in steps; 2 and 3 is 1. PGEE sealest he miligation with the highest net berrefit. In the example provided in Table RN-FGSE-20-53, for Circuit Segment 1, the miligation with see highest net benefit in Underground (100) Primary, Overhead Merhanic (NH) highest net benefit is Covered Conductor Rebuild with FPSS and DCD. The combination of miligations is based on the miligations (e.g. PCPS) and DCD where covered conductor is installed journelly applied across PGSE's At relates to moreoted risk values. The December 2012 Dec PCPC issued a decision in the Rosk Based Checision-Making Framework (RBDF) Order seems with the propried the used representation of the propried across the propried propried to the propried the season of propried the propried the propried propried to the propried the season of propried the propried the propried propried to the propried the season of propried the propried the propried the propried provided and propried the season of propried methods and season of the decision are approved the use of specific methods and season caused and provided and propried the season of propried methods and season of season of the propried the season of propried methods and season of season of the propried the season of propried methods and season of season of the propried the season of propried season of propried the propried methods and season of season of the propried the propried the propried the propried season of the propried the season of the season of the propried the season of the season of the propried that are season of season of the propried the season of the season of the propried the season of the propried the season of the season of the propried the season of the season of the propried the season of the season of the propried the season of the propried the season of the s	10/11/2023	8.122	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
461	CEIS	014	OEIS_014	2	0EIS_014_02	Q02. Regarding backlog risk reduction a Provide PCAE's calculations for risk reduction percentages broken down annually for both the initial open tag reduction targets in PCAE's 1.7 pCAE's longinal 2023-2025 Wildline Mitigation Plan, p. 459 company to the reviewed Table PCAE's 1.7 pCAE's longinal 2023-2025 Wildline Mitigation Plan, p. 459 company to the reviewed Table PCAE's 1.7 pCAE's longinal 2023-2025 Wildline Wildline Wildline reductions, as well as both a reduction in risk units and overall risk impact. Portion PCAE's coveral calculations for risk reduction preventage for fits original 2023-2025 Wildline Relevation Nation Response. This should also account for any exist introducted from delays in responding to reduce the Response. This should also account for any exist introducted from delays in responding to risk reduction Nation Response. This should also account for any exist introducted from delays in responding to risk reduction to the reduction of the reduction of the reduction risk with an of overall risk introduct row PCAE's calculations for risk reductions, as well as both a reduction in risk units and overall risk impact. Explain the difference between the precent risk unit and the first kingract reduction).	sy decision and their debiconing to run information from the budget place that are processed as a consistent of the second and a consistent of the second a	10/11/2023	81.7	Open Work Orders	N/A
462	MGRA	Data Request No. 7	MGRA_Data Requi	st 1	MGRA_Data Request No. 7_O1	Fleate list the lifes and qualifications of the team members on the Public Safety Specialist team. Specifically please note the level of experience team members to the life service of the service of th	b) As shown in the response to subgraf (a) above, the babolog rate reduction. The response to subgraf (a) above, the babolog rate reduction of the PSS team. After the narrative, we provide a shiller has taken the reduction of the PSS team. After the narrative, we provide a shiller has taken the reduction of the PSS team. After the narrative, we provide a shiller has taken the reduction of the PSS experts and sectionable for serving as the point of coatine for county differ of control of the position of the PSS experts and sectionable for serving as the point of coatine for county differ of control of the position o	10/12/2023	8441	Emergency Preparedness	Protocols for Emergency Communications

463	MGRA	Data Request MGRA_Data Request 2	MGRA_Data Request No. 7_02		largers and agrees concerns are not determined selety by the potential for falling poles. The PSS considers many factors when evaluating ingress and egrees concerns in a complex or rapidly expanding wildrand file including: - Time of did fy these are differences between recounting communities at right in the polarity of the polarit	10/12/2023	8.1.3	Asset Paspections	N/A
464	MGRA	Dala Request MGRA_Data Request No. 7 MGRA_Data Request 3	MGRA_Data Request No. 7 , Q3	How representative is the proxy PSS score of the entire circuit? Specifically, a. How many hardering projects are there per circuit? Provide a distribution if a. How that fraction does the hardering project spically take up of the circuit? Provide a distribution? If possible. Is shown how EPS scores are determined and how these compare against WDMM v3. It is suited as an independent deciding the branch point of the first model of a lut used as an independent deciding the branch point. If we want fraction of undergrounding projects rely or PSS ingressingerses scores to make the determination to undergrounding projects rely or PSS ingressingerses scores to provide the first-discording the provide the first-discording traces where it was the onlyightimacy determinant and the provided the first-discording traces where it was the onlyightimacy determinant and the provided the first-discording traces where it was the onlyightimacy determinant and the provided the first-discording traces where it was the only of the provided traces are successful to the determination to undergound.	Friedfolding ingress (e.g., number, tipe, size of equipment, staging areas, etc.) In tritument or resonating projects par occur water supersonal proise and are size of the circuit. There is no average distribution. Please note that the PSS socious is not the social three is no average distribution. Please note that the PSS socious is not the social three for any migration decision and a circuit asperant to be included in the portion. A more detailed PSS review is a project. In the portion of the circuit taken up by a hardening project varies by circuit and depends on the sake distribution with the rectant and the sected in the circuit. There is no average distribution of the circuit taken up by a hardening project varies by circuit and depends on the sake distribution with the rectant and the needs of the circuit. There is not the circuit taken up by a hardening project varies by circuit and depends on the sake alterproject varies by circuit and the resident of the circuit. There is not the circuit taken up by a hardening project varies by circuit and depends on the sake project level. Because of this as percentage of the circuit in a hardening project is not useful in this determination of the value of the PSS socre. In the circuit taken and the sake of the sake percentage of the circuit in a hardening project is not useful in this determination of the value of the PSS socre. In the circuit taken and the sake of the sak	10/12/2023	8.1.3	Asset hispections	N/A
465	CMPA	Set WMP-30 CaliPA_Set WMP-30 1	CaIPA, Set WMP-30, Q1	This data request relates to PCSE's Wildrier Institution Tiss Model version 4 (here both) referred to as "WDRM vi). If any of the requested documents or information is not yet complete and available, please state in your response when you expect the documents or information to be complete and available, please state in your response when you expect the documents or information to be complete and available, please state in your discourse of the properties of the score of the properties of the p	a) - f) The Wildine Distribution Risk Model (WDRM v4) is not currently available. PC&E plans to make the model information available with the 2025 Wildfire Miligation Plan Update.	10/25/2023	4.5	Model Metrics and Calculation Methodologies	N/A
466	CaPA	Set WMP-30 CalPA_Set WMP-30 2	CalPA_Set WMP-30_02	The date reguest relates to PASEs I Visition Tries below The Model version 4 (new electry inferred to as "VDRM MT) flarly of the requisited document on information in the completion size suitable. Journal each in your response when you expect the documents or information to be complete and available. a) Please list all composite (or aggregate) risk scores generated by PASEs WDRM v4. For example, WDRM v3 b) For each risk score in part (a), please provide a category or brief description of the type of risk the score represents. c) For each risk score in part (a), please provide a brief explanation of how PASE intends to use that risk score. (c) For each risk score in part (a), please provide a brief explanation of how PASE intends to use that risk score.) For each risk score in part (a), please provide a brief explanation of how PASE intends to use that risk score.) For each risk score in part (a), please provide a brief explanation of how PASE intends to use that risk score.) For each risk score in part (a), please sets the tender without the risk score in part (a), please state the most grant risk was which the risk score in score in part (a), please state the most granularity at which the risk score is used to inform wildfire resignation instance (c), cut wildfield recover. (cut, withfolded states, etc.).	a) - f) As stated in the response to Question 001, the WDRM v4 is not currently available. PGAE plans to make the model information available with the 2025 WMP Update.	10/25/2023	4.5	Model Metrics and Calculation Methodologies	NIA
467	CaIPA	Set WMP-30 CalPA_Set WMP-30 3	CalPA_Set WMP-30_Q3	The following questions refer to the risk corres generated from WDRM v4. This should be understood to refer to PGGE's responses to questions 1 and 2 above. The property of th	a) - b) As stated in the response to Questions 001 - 002, the WDRM v4 is not currently available. PGEE plans to make the model information available with the 2025 WMP Update.	10/25/2023	4.5	Model Metrics and Calculation Methodologies	N/A
468	CaPA	Set WMP-30 CalPA_Set WMP-30 4	CalPA_SetWMP-30_Q4	The billowing questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PGGEs responses to questions 1 and 2 above. Please provide a GIS file that details he risk scores at the same granularity that is currently used to inform widdler mitigation measures (se discussed in questions (1) and 2(1)). This file should contain the following: a) Geometric feature 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 and scores are the polygons that depict assets, and the properties of the polygons that depict assets are 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 assets are 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 that depict the same physical speciment. 9) For each geometric feature, include the circuit are are an antitrous. 9) For each geometric feature, endude the circuit are are an antitrous. 9) For each geometric feature, endude the circuit are are an antitrous. 9) For each geometric feature, endude the circuit are are an antitrous.	a) - f) As stated in the response to Questions 001 - 003, the WDRM v4 is not currently available. PGME plans to make the model information available with the 2025 WMP Update.	10/25/2023	45	Model Metrics 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 perpedides should include, at minimum, the following columns. a) Name or ID number of each circuit segment. b) Creat transe for the circuit steps the experted is part of. d) Normal voltage. b) Creat transe for the circuit steps reciprocity of the circuit segment of the proof. The pole count of the circuit segment (C) advocates understands this to be the number of 100m x 100m poles analyzed by the WDRIA vt. along the length of the circuit segment. The pole count of the circuit segment (C) advocates understands this to be the number of 100m x 100m poles analyzed by the WDRIA vt. along the length of the circuit segment. The pole count of the circuit segment. The count of the circuit segment and the circuit segment. The count of the circuit segment. The count segment count in the circuit segment. The count of the circuit segment and the circuit segment. The count of the circuit segment and the circuit segment. The count of the circuit segment and the circuit segment. The count segment count in the circuit segment. The count segment count in the circuit segment. The count segment count in the circuit segment that the circuit segment is the circuit segment. The count segment count in the circuit segment is the circuit segment. The circuit segment count in the circuit segment is the circuit segment. The circuit segment count in the circuit segment is the circuit segment. The circuit segme		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 part (b) is the control of the control of the part (b) is yes, better provide part to a similar entity perform an independent review of the control of the part (c) is yes, when the part (b) is not please explain why not. c) If he 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 WMP30_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. c) If the arrower to part (a) is yes, the control of the provided a copy of the document. c) If the arrower to part (a) is yes, the control of the provided a public provided and the part (a) is yes, the part (b) is the part (b) is the part (b) in the part (b) is the provided to part (c) is yes, where the PGAEE plant to be committed?	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 Beretti 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 WIMP Revision 3, submitted on September 27, 2023, Section 8.1.7 — Open Work Criders. On page 500 of your 2023 - 2025 WIMP 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 21,302 269 647 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 507 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 507 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 production of the Caustrely Dista Report, Table 2, metic 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 production of the production of the provided production of the possibilities. This semi-automated process will now allow us to pull data more residily, and at the granutarity deletion.	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 perial in DrG&Es 2023 - 2025 WIMP Revision 3, submitted on September 27, 2023. Section 8.1.7.2 — Open Work Orders — Distribution Tags in PC&E's 2023 – 2025 WIMP R3 discusses a subset of open works orders referred to an 'ignificant-visit' lags. Please provide a bible similar in Table 8.5 flor air past due, which is the provide of the provide orders or table orders. Number of 'grainfor fists' Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023) 18 1 – 50 Days 3.1 – 50	Please see the table below for the requested information. Number of "grittion Rish" Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2022)) HFTD Area 0 - 200 Days 31 - 90 Days 91 - 180 Days - 181 Days Non- HFTD 32 26 464 2077 HFTD Text 2 1, 194 A602 52 25 66 0, 512 HFTD Text 3 1, 194 183 753 55, 157	10/28/2023	8.1.7	Open Work Orders	NIA

477	CPUC - SPD (Safely Policy Division)	011	CPUC - SPD (Safety Policy Division)_011	1 CPUC - SPO (Safety Policy Division)_011_01	Provide calculations that justify Table RNI-PG&E-23.05-3. Explain specifically how Risk Avoidance over Lifetime Benefit is oliculated from Total Risk (page 85 of PG&E's 2023-2025 Wildfre Mitigation Plan (WMP) — Supplemental Revision Notice Resportes)	In Critical Issue RN-PC&E-23-05, PC&E explained that in response to the Commission's decision in the Risk-Based Decision-Making Framework OR (REBUMF).1 was are in the process of contacting a beneficior index limited in the Market of the Research of the R	10/17/2023	8.122	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
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 85 of PG&E's 2022-2025 Wildline Mitigation Plan (WMP) – Supplemental Revision Notice Response)	Please see "WMP-Discovery2023, DR, SPD_012-Q001/alch01.stx" for the visual and underlying data. This chart has not been updated; PGSE expects to update this chart in C2 of 2024 as part of the Risk Assessment and Mitigation Phase (RAMP) filing. Please note, there was a non-material correction in the visual data labets. Both the original and corrected visual data labets are provided in the attachment.	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 (see sufficies, others); SPD would prefer the analysis performed using cost benefit ratios (similar to that shown in Table RN-PG&E-23-05-3).	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	CaPA	Set WMP-32	CalPA_Set WMP-32	1 CaPA_Set WMP-32_Q1	Please provide the following data for the years 2000, 2021, 2022, and 2023. a) Number of mitted of underground distribution that PG&E installed as part of overhead-to-undergrounding conversion projects for the purpose of waither sisk reduction. b) Number of mittes of overhead distribution PG&E removed as part of the same projects in part (a).	Please see the table below with the data requested for subgrants and b. 3) Pleases see row (p. 10. Killes Complete), included are the mile of underground primary defibution lines situation each year 2020-2022 for the purposes of welding the control of the purpose of the property of the purpose of t	11/14/2023	7221	Wildfire Miligation Strategy Development	Projected Overall Risk Reduction
480	CaPA	Set WMP-32	CaliPA_Set WMP-32	2 CalPA_Set WMP-32_Q2	Please provide the same information as requested in Question 1 for undergrounding projects that fall into each of the following categories: a) Rule 20 undergrounding continued in Rule 20 (2000) (20	Please see the table provided below with the data requested for subparts a - c. a) please see row (b. Red. 20 included each terruper) under the data requested the subparts and each see that see the seed of the see that see the seed of	11/14/2023	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
481	CaPA	Set WMP-32	CalPA_Set WMP-32	3 CalPA_Sel WMP-32_Q3	Please 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 malarisation stated to destruction undergrounding projects. c) Entities who seast PG&E with planning, 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 statements to this response contain COMPEDENTAL information and are being provided pursuant to the accompany confidentially declaration: WMP Discovery0023_DR_Caldvocates_032-0000_Confidentially Doclaration: WMP Discovery0023_DR_Caldvocates_032-0000_Confidentially Doclaration: Providentially Doclaration: Providentially Doclaration: Providentially Doclaration: Providential Prov	121/2023	8.1.2	Orld Design, Operations, and Maintenance	Grid Design and System Hardening

482	СаРА	Sel WMP-32	CalPA_Set WMf	32 4	CaIPA_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 terminant and expension in advances primary prostruction of the desires and 2 TAV. The following programs respect work on CH lacinities and 2 TAV. The following programs respect work on CH lacinities and their emovals. I would be a second of the control of	11/14/2023	82	Vegelation Management and Inspections	N/A
483	СаРА	Set WMP-32	CalPA_Set WMf	-32 5	CalPA_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.	FTI Unavailable TRI Unavailable VMOM Unavailable Performance VMOM Unavailable V	11/14/2023	8.2	Vegetation Management and Inspections	N/A
484	CaIPA	Set WMP-32	CalPA_Set WMF	.32 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) PGEE performs pole loading calculations for every pole that will be supporting the convent conductor. b) PGEE adhress to the requirements of General Order SR, Rude 4.4. naddlion, for convent conductor projects, we adhere to our fire area design guidance, which is convent conductor projects, we adhere to our fire area design guidance, which is included as attachment "WMP-DiscoveryQ023_DR_Calchivocates_002-000-000-000-000-000-000-000-000-000	11/14/2023	7.2	Wildfire Mitigation Strategy Development	Wildlire Mitigation Strategy
485	СвРА	Sel WMP-32	CalPA_Set WMf	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.	ODOTACION Law for the six of pole loading calculations performed as pair of covered conductor projects in were constructed in 2022 and texe completed the quality venderation covered to the pole of the pole of the covered conductor projects the were constructed in 2023 and texe completed the quality venderation of the covered conductor projects and the covered conductor projects. 1. The Pole SAPE Equipment ID for the m-service poles. 1. The Pole SAPE Equipment ID for the m-service poles. 1. The Pole SAPE Equipment ID for the m-service poles. 1. The Pole SAPE Equipment ID for the m-service poles. 1. The Pole SAPE Equipment ID for the m-service poles. 1. The Pole SAPE Equipment ID for the m-service poles. 1. The Pole SAPE Equipment ID for the m-service poles. 1. The Pole SAPE Equipment ID for the m-service poles. 1. The Pole SAPE Equipment ID for the m-service poles. 1. The Pole SAPE Equipment ID for the m-service poles. 1. The Pole SAPE Equipment ID for the m-service poles. 1. The Pole SAPE Equipment ID for the mode of the covered conductor installation. 1. The Pole SAPE Equipment ID for the mode of the covered conductor installation project. A pole did not exist in this location profe to the covered conductor installation project. A pole did not exist in this location profe to the Covered conductor installation project. A pole did not exist in this location profe to the Covered conductor installation project. A pole did not exist in this location profe to the Covered conductor installation project. A pole did not exist in this location profe to the Covered conductor installation. 1. Covered Cove	11/14/2023	72	Wildfire Mitgation Strategy Development	Wildfire Mitgation Strategy
486	CalPA	Set WMP-32	CalPA_Set WMF	.32 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).	3) - 9 (PGEE is providing the requested ten residently selected pode leading calculations for covered conducting prigets from 2002 (2012, and 2022 Please see attachment "VMM-Pulsorvery/2002 DR Call-Advancates, 2003 (2008Advancates, 2005) for the thirty pod enabling relativalistics provided. Each of these pode leading calculations contains the inputs, outputs, and associated information (interpretations) to leaferly if the pole in never certainting. 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 PORE's 2023-2025 WMP Revision 3 Table 8.1.7.2 (page 555) shows that PCAE 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. PCAE's targets in Tables 8-3 and RM-PCAE-23-04-2 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-PCAE-23-04-2.	It. The discrepancy between the two tables reflects expected multi-year planning values as companed to the minimum expected lags to meet our risk reduction largets. The 40,000 bags represent the minimum expected lags to meet our fills for its reduction to the planting which was set as the target in our initial was sufficient to the planting which was set as the target in our initial management of the planting was set in the planting and risk reduction the ranges that were initially set for this Table 6.3, for both years. Additionally, the population of lags utilized to create the busbles in not inferent. The population of lags utilized to create the busbles in not inferent. The population of lags that is included in writing Table 6.1.7.2 for the Revision Notice response includes some was set of the planting was set of the planting of the based on the backtop population at the time of writing the initial 2020 VMP. while Table 6.1.7.2 reflects a more carried were of the lags population.	11/8/2023	8.1.7	Open Work Orders	N/A

488	CuP/A	Set WMP-33	CaiPA_Set WMP-33	1	CuPA, Set WMP-33_G1	Please provide an Excel sheet Islang (as rows) each asset work order (or "tag") 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 ID number) b) Extending the color of	Please see attachment "WMP-Discovery2023_DR_Calid-locates_033- 0001/Abril star. for the requested data. The data in column A frough jut of the attachment has been provided from the 2023 02. CDR for any lags where the original priority (column P) is Av Dr. to where the utility-specific priority level at the end been provided for the date the tay was completed and closed. Column K indicates the date the exit was completed in the field and column L indicates the date of closure in SAP. Field completion and closure dates were pulled in thorsenber 21.	11/28/2023	8.1.7	Open Work Orders	N/A
489	CaIPA	Set WMP-33	CalPA_Set WMP-33	2	CaPA_Set WMP-33_Q2	Please provide an Excel sheet listing (as rows) each asset work order (or "bg") That was open as of September 25. 2022, and was as Level A or B tag. For each tag, provide the following information in a) Work order ID number 1 b) Equipment (b) Please 1 d) Alexed type: Distribution or transmission e) GO 55 Rut b) protrietly level of the tag 1) Bullsy aspecific printity level of the tag 1) Bullsy aspecific printity level of the tag 1) b) Due did soft the original work order 1) but are recent date the work order was reimspected or modified (if applicable) 1) Due did soft the work order was reimspected or modified (if applicable) 1) Due did soft the work order was reimspected or modified (if applicable)	On November 11, 2023, PG&E confirmed with Cal Advocates that providing data as of September 30, 2023, is sufficient for this response. Committee of the Committee of the Committee of the Committee of the Committee of Committe	11/28/2023	8.1.7	Open Work Orders	NA
490	CaIPA	Set WMP-33	CalPA_Set WMP-33	3	CaPA_Set WMP-33_Q3	Please provide an Excel sheet lating (as rows) each asset work order (or "tag") That was open as of November 8. (2023, and was a Level A or B tag. For each tag, provide the following information in separate columns: 10 Equipment of Damber 11 Equipment of Damber 11 Equipment of Damber 11 Utility specific priority level (A or B) 11 Utility specific priority level (A or B) 11 Utility specific priority level (A or B) 11 Damber of	Please are attachment "WIR-Discovery2023_DR_CalAdvocates_003- 00004d001.data* for the requested data. Counterly Data Report logic run on November 9, 2023. Since the DOR pulse from a database that lags SAP by one day, the obuguit reflects the statis nSAP for November 9, 2023. The data in columns A through J has been provided for lags where the original priority (column F) is A or B, or where the suble-specific profit pries of in November 5, or 30 (Column M). You columns, K and C, which is a complete of the column of the column of the column of the data the work was completed in the field and column I. Indicates the date of dissure is SAP. Field completion and closure dates were pulled on November 21.	11/28/2023	8.1.7	Open Work Ordens	N/A
491	CaPA	Set WMP-34	CalPA_Set WMP-34	1	CaPA_Set WMP-34_Q1	The following questions pertain to PG&E a 2023-2025 WIMP Revision 3. Judentited on September 27, 2023. The following questions pertain to PG&E a 2023-2025 WIMP Revision 3. Judentited on September 27, 2023. The following Energy Patters: Fo&E independent Sales (Months Sales Update Report, Oxfober 6, 2023 (SMI Report) 3 shad discusses the MOR program and provide the 2023 with 50 citized having that detailed MORE (with exceed) of these citized being on all program continued the 2023 with 50 citized having that detailed MORE (with exceed) of these citized being on all program continued and the provide shadows of the pr	In the summer of 2022, an Initial Multiple Outlage Review and Evaluation (MORE) In the summer of 2022, an Initial Multiple Outlage Review and Evaluation (MORE) Expected of the summer of the State of	1/19/2024	ACI 23-95 Updating Grid Hardening Decision Making	Grid Operations and Procedures	Protective Equipment and Device Settings
492	СаРА	Set WMP-34	CalPA_Set WMP-34	2	CaPA_Set WMP-34_Q2	a) Please explain the criteria for including a CPZ in a MOR for 2022. b) Rises explain the criteria for including a CPZ in a MOR to 2023. c) Please explain the criteria for including a CPZ in a MOR to 2023. d) Please explain the criteria for including a CPZ in a MOR for 2022. d) Please explain the criteria for not including a CPZ in a MOR for 2023.	The critical for a Multiple Cutage Review and Evaluation (MORE) evolved in response to an increased martine of customers operations good and the EPSS protection across the system. The MORE process was formalized in 2023 and evolved from a cross live system. The MORE process was formalized in 2023 and evolved from a cross live system of the control o	1/19/2024	ACI 23-26 Evaluation and Reporting of Safety Impacts Related to EPSS	Wildfre Mitigation Strategy Development	N/A
493	CaIPA	Set WMP-34	CalPA_Set WMP-34	3	CalPA_Set WMP-34_Q3	Regarding arroles with EPSS capabilities. a) Provide a blob or Eard bleef or completing and claims filed by customers related to outages on circuits with EPSS settings enabled at the time of outage. For each item, provide the following information in separate columns. a. The Circuit annea and D association with the complainant; b. The date each complainful or claim was received; c. Description of each complainful or claim was received; e. Due date of each complainful or claim was received; e. Due date of each complainful or claim was received; e. Due date of each resolution. b) Provide are updated exact balle of EPSS Outages Mortilly Report_20220118.dsx* provided to SED that includes a column to "CPZ" in the "EPSS Outages—2021 Season" lab.	ii) Iv) Please see "WMP-Discovery0203-3025, DR, Californicates, (034-0003Alch01.stor' and "WMP-Discovery0203-3025, DR, Californicates, 035-0003Alch01.stor' for CPUC complaint formation and date instruments need set less (035-0003Alch010CDCNF stor' for CPUC complaint formation and testion store of the complaint set of the	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 WMP-34	4	CaPA_Set WMP-34_Q4	PGGE, 2021 WMP RS, p. 1044, salars "Name changes including the absorption of CPZs into others resulting in the original CEZP to impore ceiting." Additionally, p. 410, in Table RNR-PGGE,23-65-1 (Circuit Segments in EW222 WMP Undergrounding Workplain but Not Listed in the 2023-2020 Undergrounding Workplain but Not Listed in the 2023-2020 Undergrounding Workplain shallows a legislate of the grid or other grid design changes such as switched names when additional segmenting devices are placed on the grid or other grid design changes such as switched or other process. The process of the segment of the grid or other grid design changes such as switched or other grid design changes such as switched or other grid o	In PCER's crocul segment naming convention for a Circuial Protection. Zone (PCP) is a concatenation of bysolitish for the (5) digital Standardino (Du of (4) digit Feeder (D. and visible-digit Protective Device (D. Note that while the term CPE? bysically refers to the segmentation of corp image distribution system using only SCCDA. When the control of the contro	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 bit 2017 c) Circuit SARI bit 2019 c) Circuit SARI	Please see "WMP-Discovery2023-2025_DR_CallAdvocates_094-0005Atc001.xiss" for sub-parts a la and e.q. Disa for the plants and part of parts p	1/22/2024	ACI 23-05 Updating Grid Hardening Decision Making	Grid Operations and Procedures	Protective Egylpment and Device Settings
498	CSPA	Set WMP-34	CalPA_Set WMP-	4 6	CalPA_Set WMP-34_06	Please divide the data presented in question 5 into performance quartities based on SARI and SARI, (in example table is included below the question's bugberts), a) Of the distribution circuits lasted in response to Question 5, identify, in Excel spreadsheet format, the best performing (in 4, circuits desperiencing feet less tramsheer of useless of 55% circuits by average combined b) Of the distribution circuits lasted in response to Question 5, identify in an Excel spreadsheet format the vorst performing (in 4, circuits seperiencing feet person substantiand custage) 27% circuits by average combined SARI for years 2017 to 2019 in each of your divisions. (i) Of the distribution circuits saled in response to Question 5, identify in an Excel spreadsheet format the best combined for years 2017 to 2019 in each of your divisions. (ii) Of the distribution circuits lasted in response to Question 5, identify in an Excel spreadsheet format the best combined SARI for years 2017 to 2019 in each of your divisions. Example Tablec Question 6, Part a) Division Circuit Name Circuits Sary SARI (10) in each of your divisions. 10 April 10 April 2019 Loss Patrices SARI Francisco 1101 1.00 1.00 1.00 1.00 1.00 1.00 1.00	Pfeaste see "WMP-Discovery2023-2025_DR_CatAdvocates_034-Q005Alct01.xtss" for side-parts a-d.	1/22/2024	ACI 23-95 Updating Grid 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) Cutage 10 3) Cutage 10 4) Cutage 10 5) Crount Name 6) Division 9) Was EPSS enabled on this circuit at the time of the outage? 1) When was this circuit made EPSS-capable? 1) When was this circuit made EPSS-capable? 1) Outage End Davis 1 time 1) Outage End Davis 1 time 1) CESIO (Court of Counterers Experiencing Sustained Outages) 1) Cutationer Minutes 1) Cutationer Minutes 1) Case (Counter Intel Minutes)	Il sustained outages with information for a-e, and g-t are provided in "WMP-Discovery2023- 2025, DR_CalAdvocates_034-0207/kdoff-siss." In regard to sub-part (2025_DR_CalAdvocates_034-0207/kdoff-siss." PSSS capable is previded in "WMP-Discovery2023- 2025_DR_CalAdvocates_034-0207/kts/02-siss."	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 se Execut state ten tals (se rows) each momentary categor that occurred from January 1, 2017 through) December 51, 2022 on any of the critical selettation (synchropic to Cuestion 6. For each outage, the Excel table should include the following information in separate columns: a) Outage 10 c) Circuit 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) Who can show the circuit made EPSS-capable? f) Quage End Day & Time f) CESS (Circuit of Culcuitmens Experiencing Sustained Outages) f) CESS (Circuit of Culcuitmens Experiencing Sustained Outages) f) CESS (Circuit of Culcuitmens Experiencing Sustained Outages) f) CESS (Circuit particular in response to the momentum voidage?	All momentary subgree with information to see, end of are provided in "YMM" Discovery2022- 2025. DR Collektrockets (DN-0500MethOf size." In regard to sub-giant? the information of when the circuit was first made EPSS enabled is provided in "WMP-Discovery2022- 2025_DR_Collektrocates, 034-Q007Atch022.dex.	1/22/2024	ACI 23-05 Updating Grid Hardening Decision Making	Grid Operations and Procedures	Protective Equipment and Device Settings
499	CaIPA	Set WMP-34	CalPA_Set WMP-	4 9	CalPA_Set WMP-34_Q9	Regarding PCASE's 2021 Revisibility Report PCASE stated "Stee reliability projects have been initiated on Garberville 1101 cross to minimize the impacts of EPSS and taking a more excepted approach in applying EPSS sellings when the circuit is most of rate." It is not stated to the control of the cont	We confirm that Carberviller 101 bad no 2021 odaspies categorized as EPSS odaspies are reported in PCES Jaumay Mortify PCES of Carber 102 of	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	CaIPA	Set WMP-34	CalPA_Set WMP-	4 11	CMPA_Set WMP-34_Q11	In PCEC 4 November 2020 EPSS Monthly report PCEC propris that there have been 26 outages on EPSS- maked in Transmission Inter (TERSS), obegin in the year location. a) Are three downsteams outages (e.g., b. distribution outsioners that may be served from a substation that may be fell by the served transmission line) that result from outages that occur on EPSS-enabled transmission in ex-) to Eld any of the 28 reported 1-EPSS outages in 2022 cause downsteam impacts to other transmission (1) if the answer by part (b) is yes, inserted exciscle the electric of the downsteam impacts. d) if the answer to part (b) is yes, are those downsteam outages reported as EPSS outages in PCAE's monthly EPSS reports or in any other reporting remain? EVSS reports or in any other reporting remain?	la yea, a Distribution outage may occur as a result of an outage on an EPSS-enabled Transmission like. The properties of the EPSS Modelly 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 Flores See direction 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 farmamission lines to reduce impacts on the bulk electrical system. By design, these charamission 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 regardedes of EPSS enablement.	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	CaIPA_Set WMP-35_Q1	In Table 9-2 of PG&E's 2023-2025 WMP R4 submitted January 8th, 2024, PG&E indicates that system hardwring is planned for certain frequently de-energized circuits. Pease update Table 9-2 by providing the system of the providing the complete state, or planned to be taken, to reduce the need for and impact of future PSPSP of circuit*). If the timetable for completion is unknown or undetermined, please so state.	Please see attachment "WMRD Discovery/2023-2022. DRC Caleforcoates, 035-0001 (Ash D1 Jasic for an updated Table 6- 2 as of February 12.024 We included the original Table 9-2 of InCESE 2023-2023 WMP Fel in columne 8 D1 and appended a new column, column K, with updated information about Measures Taken, or Flammed to be Taken, to Reduce the Need or and Inspact of False 497-00 C Ciccus, Neverother that has been appended is identified by ref reflective the Need Caleforcoate (New York 1997) of Ciccus, Neverother that has been appended in Section of the the original Table 9-2: Nowew, was part of POASE-8 OH-01 System Hardening workplan. This attachment corresponds with the vertical of Table 9-2 Disorder on pages 509-00 of our 2023-2005 VMP R4. Pfease let us from If you would also like the requested information for the second version of Table 9-2 Disorder.	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-Anvocates-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 complete confirmation of the complete co	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 Respiral that 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 we confuse the approach described in the Base 2023.3255 WMP of interformally building additional miles into the workplan to account for unforcement deplays in individual projects such as properly societies, weather, permitting, start rights acquisition, malerials, or other constraints. Thus, some of the projects included in this workplan may be provided and added to the workplan going forward for potential completion between 2023 and 2026. 9) Please letted PG&Es intended cost recovery venus for the abovementioned undergrounding projects not completed in the 2022-28 intended. 9) Please letted PG&Es intended cost recovery venus for the abovementioned overhead hardwring projects not completed in the 2022-28 intended cost recovery venus for the abovementioned overhead hardwring projects not contributed in 2022-28 intended cost recovery venus for the abovementioned validational 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 is provided an undergrounding projects appetition to a whole one PC&E currently expect to be intended in the 2025 August 10.04 to 10.04 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 WMP-40	3 CaPA_Set WMP-40_Q3	PCGE states on page 23 of its 2005 WMP Update regarding its workglain for covered conductor projects. PCGE is convertly referring our workplains for both overhead hardwring and undergrounding projects through the end of the CRC period (2008) to account for the direction provided in D.23-11-089. With respect to converse conductor projects specifically: a) D.23-11-089 sets annual risk reduction targets to be achieved by installing covered conductor projects appecially: a) D.23-11-089 sets annual risk reduction targets be achieved by installing covered conductor projects by According to PCGE* out conversely specific to list after of, meet, or exceed the risk reduction target by According to PCGE* out careful workplain, what is the amount of risk reduction that PCGE expects to achieve in 2024 due to converse conductor projects. O How does your answer to part (b) compare to the risk reduction target established in D.23-11-0897 of the CRC of the	It is not because the common or present recommentary man resourcem requirements of 18% by 2005 using the risk reduction methodology described in Advisor Letter 1. Based on the workplain as of February 22, 2024 and referencing the GRC risk reduction methodology described in Advisor Letter 1950-E. He 2022 target informed risk reduction for overhead hardering projects is currently forecasted to be start reduction methodology described in Advisor Letter 1950-E. He 2022 target informed risk reduction for overhead hardering projects accurately forecasted for componently 0.1%. Note: these values only include projects in Mantenance Activity Type (MAT) codes (American Letter) and the component of the component of the Code (American Letter) and the Code (American L	4/10/2024	2.1.12 GH-04 Undergrounding	Section 8.1.2 - Grid Design and System Hardening	8.1.2.1 Covered Conductor Installation — Distribution
510	CaIPA	Set WMP-40	CalPA_Set WMP-40	4 CalPA_Set WMP-40_Q4	PGGE states on page 25 of its 2025 WMP Update: PGGE proposes to add a 2025 staget (System Hardering — Transmission Conductor Segment Replacement (GH-11)) to perform conductor segment replacement on two transmission lines: a) Was the abovement/oned work requested and subnotized in PGGEE 1 Test Year 2023 GRC? b) if yes, please provide the exhibit and page number in PGGEE 1 Test Year 2023 GRC? bits work, as well as the relevant Major Ackivity Yee (MAT) code crodes. c) if yes, please provide the final authorized funding amount for this program as set forth in D.23-11-069, with a clidation to the referent pages of that decision. 5	a) No. System Mordening Transmission Conductor Segment Replacement was not forecast or authorized in the 2023 General Rate Case (GRC). b) Not applicate Disease 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	CaIPA	Set WMP-40	CalPA_Set WMP-40	6 CaIPA_Set WMP-40_Q5	PGEE basis on page 3 of 56 2005 NMP rodde that it is shootung a new validation of 58 William Distribution fisial, based WIGHTM called WIGHTM via testies. This outpoint from 8 WIGHTM or is expected to finishing risks prioritized, short-cycle work in 2005 and other risks prioritized long-cycle work in 2005 and beyond. a) Please identify each WIMP initiative for which WIGHTM via sepected to "Inform risk-prioritized short-cycle work in 2005. b) Please destinated production of the prioritized borg-cycle work in 2005. c) Withm via WIMP initiative for which WIDRM via espected to "Inform risk-prioritized short-cycle work in 2005. c) Withm via WIMP initiative for which WIDRM via espected to "Inform risk-prioritized short-cycle work in 2005. c) Withm via WIMP with via the prioritized long-cycle work. c) Withm via WIMP via begin to inform the excepting and execution of undergrounding projects by an expect using with via the prioritized long-cycle work with WIMP via begin to inform the excepting and execution of covered conductor projects. The coupled with via the prioritized long-cycle work with WIMP via begin to inform the excepting and execution of covered conductor projects. The via excepted using WIMPM via VIA with via the prioritized long-cycle work are support using WIMPM via VIA via via the prioritized long-cycle work are support using WIMPM via VIA via via the prioritized long-cycle work are support using WIMPM via VIA via via the prioritized long-cycle work are support using with via		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	СыРА	Set WMP-40	CalPA_Set WMP-40	6 CaPA_Set WMP-40_Q6	PGAE states on page 3 of its 2025 WMP update that it is introducing a new evolution of its Wildfire Distribution Risk Model (WDRM), called WDRM v4, states, "The cuptus from the WRRM v4 are expected to inform some risk-protributed, where hope was not 2005 and only insk-protributed, where hope was not 2005 and valued." The company of the state of the protribution of the working clarge, where we will be performed in 2005 and 2009? 1005 and 2009? 1015 The answer to part (a) is yet, please explain how PGGE intends to report this risk reduction in its System Mardening Accountability Report (SHAR) required by D 23-11-0858. 1015 WDRM v4 septend to inform society and a descention of any covered conductor projects that will be performed in 2005 and 2003? 1016 The answer by tart (a) is yet, please explain how PGGE intends to report this risk reduction in the SHARR.	n	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 WMP-40	7 CaPA_Set WMP-40_Q7	PGAE states on page 51 of 18 2025 WMP Update has ful mergorise to AD PGAE 23.05 – Updating Grid Hardening Decision Minking. PGAE is developing a WBCA (PMIGNE Deemit Cost Analysis) glot ol incorporate cos effectiveness components, reliability considerations, and location-specific mitigation effectiveness calculations. PGAE further states that undergranting proceids "topode with the WBCA in 2024 and 2025 will likely hard as WBC Re WBCA tool be used to scope any projects that will be tracked in the System Hardening Accountability Report required by 23-11-06997 by its please explain how the will be identified in the SHAR method of 18 the answer to part (a) is yes, please explain how the will be identified in the SHAR (e.g., adding fields) that would of 19 the answer by part (a) is yes, please explain how the will be identified in the SHAR (e.g., adding fields) that would of 19 the answer by part (a) is yes, please explain how the sHAR templated (e.g., adding fields) that would of 19 box PGAE expect for request any changes to the SHAR to facilitate tracking projects scoped using the WBCA Please explain your response.	will not or encluded for projects in this will be completed in ALV at the object, and as time, we are infecting for projects selected using the WEDA fool in accordance with 38 841 be completed in AZV and beyond. In the event projects selected using the WEDA are planned for completion during the GRC time period (2025-2026), these projects will be trained in the STMAR as regulated by D.2-31-1669.	4/10/2024	ACI 23-05 Updating Grid Hardening Decision Making	Appendix D	11.4
514	CalPA	Set WMP-41	CalPA_Set WMP-41	1 CaPA_Set WMP-41_Q1	In Please bit all distinct risk scores generated by PGSE's WDRM v4. For example, WDRM v3 generated 17 different risk score in part (a) please provide a category or brief description of the type of risk the score repart (a) please provide a large registration of how PGSE intends to use that disk score. If part (a) please sits all PGSE widther mitigation intalies in the facine by use that risk score (if PGSE expects to stiller a risk score in part (a) please sits all PGSE widther mitigation intalies in the fund, please so note) of per carb risk score in part (a) please state the most granular level available for that risk score. For example, in CMDRM v3, the most granular level available would be the risk score associated with invividual 100m x 100m 10 please shall be repaired to the carbon risk score in part (a) please state the granularity at which the risk score is used to inform widther mitigation institute or the score in part (a) please state the granularity at which the risk score is used to inform widther mitigation institute or expect country in the part of the p		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	СыРА	Set WMP-41	CalPA_Set WMP-41	2 CaPA_Set WMP-41_Q2	a) Piesse list all composite (or aggregate) risk scores generated by PG&E's WDRM v4. For example, WDRM v3 generated five composite risk scores. b) For each risk score in part (a), piesse provide a category or brief description of the type of risk the score of part and risk score in part and risk		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 WMP-41	3 CaPA_Set WMP-41_Q3	Ouestions 3 and 4 refer to the risk scores generated from WDRM v4. This should be understood to refer to PGSE's responses to questions 1 and 2 above. If PGSE possesses geosposids data that is not in the specific format requested in questions 3 and 4, but that FGSE believes substantially contains the information requested in questions 3 and 4, please contact the originators to discuss the format of pure responses. Please provide a GSE fiest and fedalist bened provided to the format of pure responses. Please provide a GSE fiest and fedalist bened granular fevel and fedalist of exclusives in questions (fe) and 2(e)) available for each risk score identified in questions (16) and 2(a). This file should contain the following: [3] Geometric features defalling the most granular fevel waintified for each risk score. This may be polygons that depict Tailes. These that depict circuit segments, points that depict assets, or other geometry that the study that the relevant his score. If multiple risk scores sharing even fevel provided at the relevant fish score. If multiple risk scores sharing even fevel provided at the fevel provided and the scores from questions ((a) and 2(a) as attributes.		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	CaIPA	Set WMP-41	CalPA_Set WMP-41	4 CuPA_Set WMP-41_Q4	Please provide a GIS file that details the risk scores at the same granularity that is currently used to inform willdire miligation measures (as discussed in questions (f)) and (2f). This file should cortain the following military of the control		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 5 refers to the risk scores generated from WDRM V4. This should be understood to refer to PG&E's				
518	CMPA	Set WMP-41	CalPA_Set WMP-41	5 GaPA_SetWMP-41_QS	responses to questions 1 and 2 above. Presence provide a specialised that list (se rows) each circuit-segment that is included in the Wildfiller Distribution National Control of the Control of the Control of	4/11/	Significant Locales (WDRM 4 & VOX) S	to Disk Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
519	CalPA	Set WMP-41	CalPA_Set WMP-41	6 CwPA_Set WMP-41_Q6	Pages 9-11 of PGAE: 2005 WMP Update discuss version 4 of PGAE: 1 Wistine Consequence Model, Please provide a GSI file and deals the most jurianal revet available for the Wistine Consequence Model, version 4. This file should contain the following: "Commertic Returns dealing the most granular level available for consequence (it is Call Advocates' understanding that the consequence model uses "pixels").	471)	Significant Updates Models (WDRM v4 & v2)	to Risk VTRM 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, please include all referent consequence values (if there are multiple) as altibules. Pleases provide on SIG fer had details from obgranular level available for the Widdler Consequence Model version used in the WIDTM V3. This file should contain the following: (a) Convenir categories decising the most granular level available for consequence (it is Call Advocates' understanding that the consequence model uses "plate").	4715	1. Significant Updates Models (WDRM v4 & v2)	to Risk 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 occument's feature, obsesse include all relevant consequences values in these are multiple1 as attributes. a) Has S3 or another entity completed an independent review of the WORM v47 Has are not been to part (a) is yes, please provide a copy of any reports and outputs from the independent review. If the arrower to part (a) is no, when obes PGSE expect the neview to be completed?	4115	Significant Updates Models (WDRM v4 & v2)	to Risk Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
522	CalPA	Set WMP-41	CalPA_Set WMP-41	9 CaPA_Set WMP-41_Q9	h) Nan PG&E created a detailed overview document that details the WDRM vs. similar to the "2021 Wildline Distribution Risk Model Overview" that PG&E submitted following the public workshop held on October 5 and 6, 20217 10 the answer to part (a) is yes, please provide a copy of the document. 10 If the answer to part (a) is yes, please provide a copy of the document? 11 If the answer to part (c) is no, because explain why not. 12 If the answer to part (c) is no, please explain why not.	471)	Significant Updates Models (WDRM v4 & V2)	to Risk Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
523	MGRA	Data Request No. 9	MGRA_Data Request No. 9	1 MGRA_Data Request No. 9_Q1	Table PG&E-B.1.1.2 Event Probability Model Predictive Performance in the table, predictive solity for drivers of prisons from Primary Conductor (Other, Wire Down) fare relatively poorly compared to regular attributes. Explain why this is so.	4/11/	ACI 23-25 Fire Potenti and Ignition Proba Weather Enhancer	ll Index ility Appendix D ents	11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
524	MGRA	Data Request No. 9	MGRA_Data Request 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/	ACI 23-25 Fire Potenti 2024 and Ignition Proba Weather Enhancer	il Index ility Appendix D ents	11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
525	MGRA	Data Request No. 9	MGRA_Data Request No. 9	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/	ACI 23-25 Fire Potenti 2024 and Ignition Proba Weather Enhancer	I Index	11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
526	MGRA	Data Request No. 9	MGRA_Data Request No. 9	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)	ACI 23-25 Fire Potenti	ility Appendix D	11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability
527	MGRA	Data Request No. 9	MGRA_Data Request No. 9	5 MGRA_Data Request No. 9_Q5	PS-07: Reduce PSPS Impacts to Customers (Section 9.1.5) For the 22% to 15x 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 facility.	4/11/	2024 2.1.1.3 PS-07: Reduc Impacts to Custor	PSPS 9.0 Public Safety Power Shutoff ers	Weather (IPW) Enhancements 9.1.5 Performance Metrics Identified by the Electrical Corporation
528	MGRA	Data Request No. 9	MGRA_Data Request No. 9	6 MGRA_Data Request No. 9_Q6	Explain how MSO reduces PSPS incidence.		2024 2.1.1.3 PS-07: Reduc Impacts to Custor ACI 23-14 Effective	ers 5.0 1 abit calcity I owel criation	9.1.5 Performance Metrics Identified by the Electrical Corporation
529 530	MGRA MGRA	Data Request No. 9 Data Request	MGRA_Data Request No. 9 MGRA_Data Request	7 MGRA_Data Request No. 9_Q7 8 MGRA Data Request No. 9 Q8	Does MSO also allow for EPSS to be enabled as a function of weather conditions? If not, is EPSS enabled based on weather conditions and if so how?	4/11/	Analysis for EPS ACI 23-14 Effective	s sess sand out to sent the sent to sen	the Electrical Corporation 8.1.8.1.1 Protective Equipment and Device Settings 8.1.8.1.1 Protective Equipment and
531	MGRA	No. 9 Data Request No. 9	No. 9 MGRA_Data Request No. 9	9 MGRA_Data Request No. 9_Q9	This, is Pro-to enablest underso in resource conductors and in an internal Trails ACP-FORE 2-50-55 significant implication effectiveness for stated at 72 %. At 8 includes CO × EPSS, but also REFCL and DCD and althous an effectiveness of 65%, how is 1 possible that adding additional misjoins reduces the effectiveness of 11th conduction in in error please provide a corrected value. Perform this as a circuit analysis, not a substation analysis, assuming all circuits are REFCL enabled.	4111	Analysis for EPS ACI 23-25 Fire Potenti	s Index iiility 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 Request 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 65.4%.	4/11)	ACI 23-25 Fire Potenti and Ignition Proba	ility Appendix D	11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability
533	MGRA	Data Request No. 9	MGRA_Data Request 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-free 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-free based analysis and in what ways does it differ?	4711)	Weather Enhancer ACI 23-25 Fire Potenti and Ignition Proba Weather Enhancer	il Index ility Appendix D	Weather (IPW) Enhancements 11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
534	MGRA	Data Request No. 9	MGRA_Data Request No. 9	12 MGRA_Data Request No. 9_Q12	Table ACE PG&E-23-08-01 Please provide the slides presented at these workshops, redacted for any confidential material.	4/11/	ACI 23-25 Fire Potenti 2024 and Ignition Proba Weather Enhancer	ility Appendix D	11.4 ACI PG&E-23-06 – Continuation of Grid Hardening Joint Studies
535	MGRA	Data Request No. 9	MGRA_Data Request 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)	2.1.1.2 GH-04 Undergroundin	Appendix D	11.4 ACI PG&E-22=30 Response Operations for Potential Fault/Outages in
536	MGRA	Data Request No. 9	MGRA_Data Request 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/	ACI 23-25 Fire Potenti and Ignition Proba Weather Enhancer	Il Index ility 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 Request No. 9	15 MGRA_Data Request No. 9_Q15	Finese provide a list of reportable ignitions for the last two years including the toloroxing additional attributes: a rating system at the time of the ignition (RG, RT, RZ, etc) b. whether circuit was implemented with adure DCD c. whether circuit was implemented with active DFPS d. whether PSPS use additional artishment.	4/11	ACI 23-25 Fire Potenti	l Index	11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
538	MGRA	Data Request No. 9	MGRA_Data Request No. 9	16 MGRA_Data Request No. 9_Q16	Please provide a list of outlages for the last two years including the following additional attributes: a rating system at the time of the outlage (R0, R1, R2, etc) b. whether circuit was implemented with active DCD c. whether circuit was implemented with active EPSS	4/11)	ACI 23-25 Fire Potenti and Ignition Proba Weather Enhancer	Il Index ility Appendix D ents	11.4 ACI PG&E-2325 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
539	CalPA	Set WMP-42	CalPA_Set WMP-42	1 CelPA_Set WMP-42_Q1	c. whether circuit was implemented with active ETSS. Pages 10 of PGSE 2205 VMPU Update state mut. for version 4 of PGSE's Wildline Consequence Model, PGSE increased the fire simulation time from eight to 24 hours. Just the reasons with PGSE chose to increase the fire simulation time to 24 hours. b) is PGSE aware of any potential detrimental effects associated with increasing the fire simulation time from eight to 24 hours? of if the answer to part (b) is yee, ist any such potential detrimental effects. (I) What has PGSE done so for to validate the accuracy of 24-hour fire simulations?	412	1. Significant Updates Models (WDRM v4 & v2)	to Risk	6.2.2.2 Consequence

Pre-Discovery 04	CaPA	Set WMP-01	CalPA_Set WMI	-01	4	CalPA_Set WMP-01_Q4	Provide a copy to Cal Advocates of all your confidential responses to WMP discovery requests, on the same business day that you send the discovered 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.	bedeenome. PGAE furthe objects to this request as the information requested is regime, anthigonous, and o methods LIGHLY PGAE double to this request on the grounds that it seeds to impose a continuing presponse obligation on the responding party. Continuing discovery obligations are not permitted under California law. Biles v. Exon Mobil Corp., 122 Cal App. 4th 1315, 1328 (2004); Code V. Proc. § 2303 (0506)); Notwithstanding and without waiving fleese objections, PGAE responds as follows. We will do our bast to provide the requested information within the requested finedrate, or as soon as possible harmorite. However, potens note that due to the filming and voluminous nature of our submissions to Energy Sidely, it may not always be possible to provide the information capatities with the requested finedrame. 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 WMI	-01 :	3	CaiPA_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 attackments) on the same business day that the document is sent to Energy Safety.	buildensome. PG&E further objects bit his request as the information requested is vague, ambiguous, and overbroad itself; PG&E objects bit his request on the grounds that it seeds to represe a confusing response obligation on the policy. The properties of the prop	2/14/2023	N/A	NA	NIA
Pre-Discovery 02	CalPA	Set WMP-01	CalPA_Set WMI	-01 :	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	Attachment YMMP-Discoverpi022_DR_Calkhocates, DO1-002Abc101CDNP_pdf is our YMMP pre-submission to Energy Safety, Pieses not hand this document is not our first VMMP submission and may be subject to revision before the first VMMP is submitted in Manch. Additionally, where designated this entire submission as confidential to slign with Energy Safety size- submission process and quidelines which sliguidate that the pre-submission documents are not to be made public. In addition to all energy additional to the submission documents are not be to make public.	2/15/2023	N/A	N/A	N/A
Pre-Discovery 01	CalPA	Set WMP-01	CalPA_Set WM	-01	1	CalPA_SetWMP-01_Q1	Tab data request persins is your 2022-2025 Waldre Mitgation Plan (WMP) and all visited discrement are submissions (invuido) you for limited to data submissions, stables, GG data, attachments, and appendices. The data request occurs the entirely of cleandary year 2023. Please provide a copy of each YMBP-related document, submission, or report you submit to the CMB of Entirely involves about 15 miles of Entrely interfaces about 15 miles of Entrely that is related to your VMBP. Provide the copy to Cal Advances within one business day of the document submits to Entrely Selfs (if you have submitted the document be Entrely Salety in 2023 prior to this data request, please provide a copy as soon as possible and That request is intered to materiate of counters that (1) may related to work please provide a copy as soon as possible and that request injuried to materiate of counters that (1) may related to work plans, initiative largets, risk models, risk spend efficiency (PSES) calculations, or VMBP charge orders affecting year VMBP; and any subsequent revisions or change orders affecting year VMBP;	Commission or aid any other statutes, orders, rules, or time limiting the regulatory authority and jurisdiction of the Commission in particular (PAEE deplets to the instruction that jurison to balone authority on the respecting party by reach out to the respecting party to clarify any unclear questions, definitions, or instructions. The duty is prepare stated to the responsing party Additionally, PAEE deplets to the respectite of the PAEE and the first of the responsing party Additionally, PAEE deplets to the respectite of the PAEE and the first of the responsing party Additionally, PAEE deplets to the respectite of the PAEE and southing together from different departments of the converging, if the requesting party withher to contact PAEE with southing together from different departments of the converging, if the requesting party withher to contact PAEE with respective of the party of the party of the party of the party withher to contact PAEE with PAEE also objects to the following definitions: The definition of the finite ord ("pilets for in concern" the subject of the data requests. The definition of the terms "socument," and concurred, and "concurred your definitions." The definition of the terms "socument," and "concurred," and "concurred your definitions or "pilets for in concern the subject of the data requests. The definition of the terms "socument," and "concurred," and "concurred your definitions or "pilets for in concern the subject of the data requests. ANSWER 000 In the subject of the concern the party of the subject of the data requests in the subject of the data requests. ANSWER 001 In the subject of the packed party of the subject of the subje	2/14/2023	N/A	N/A	N/A
547	CalPA	Set WMP-42	CalPA_Set WMI	-42 !	9	CalPA_Set WMP-42_Q9	In comparison to PCASE's WDRM'v3, does WDRM'v4, a) Move 10 percent or more of gintion risk into or out of 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 Wildlife Miligation PBn Update cluddreins for both WDRRV's and v4. b) Move 10 percent or more of PSPS 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 Wildlife Miligation PBn Update Cluddreins for both VDRAW ob and v4.	values of the state of the stat	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 WMI	-42	В	CalPA_Set WMP-42_Q8	Page 20 of POLET 2025 WIND Update states that CREE's 2025 ferecast capital expenditure associated with covered conductor installation will increase by a factor of 8.5 mm \$4.4 million 5.42.4 million. The updated Table POLET 3.1-2 no page 40.2 of POLET 2022-2025 WINP ES restline indicates that, in 2025, the milliage associated with covered conductor installation will bronces by a factor of 4.0 million 500 miles. Please explaint with POLET is capital forecast 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 WMI	42	7	CalPA_Set WMP-42_Q7	c) If the answer to part (a) is no, explain with not. Page 24 of PG&E's 2025 WIMP Update states that PG&E is adjusting target PS-07 (Reduce PSPS Impacts to Coatcimers) in 2025 downward by 40% to account for a 40% decrease in underground miles. Does PG&E 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 WMI	-42	3	CalPA_Set WMP-42_Q6	Page 17 of PGAE's 2025 WMP Update states. When viewed on a line weighted basis, the relative average risk of each transmission line can be viewed or insights. It should be noted that these mile weighted values will tend to highlight short lines such as taps." a) Does PGAE 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 PGAE 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 WMI	-42	5	CalPA_Set WMP-42_Q5	c) Describe the benefits of incorporating wind direction into the risk model. Page 16 or Fode's 2025 WiNP 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 WMI	-42	4	CalPA_Set WMP-42_Q4	Table PG&E-B.1.1-1 on page & of PG&E's 2025 WMP Update indicates that WDRM vs includes wind direction in its vegetation models. a) Describe how wind direction is incorporated in the vegetation models in WDRM vd. b) List the data sources that PG&E uses to incorporate wind direction into its risk 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 WMI	-42	3	CalPA_Set WMP-42_Q3	 b) Provide any written results, reports, or other output of the sensitivity analysis discussed above. Page 7 of PosEe 2025 WINP Update states, with regard to PGSE 5 distribution 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 WMI	-42	2	CalPA_Set WMP-42_Q2	Page 1021 of PG&Es 2023-2025 WMP R4 dates, in response to ACI PG&E-2026. In general, 24-hour simulations result in higher impeats as simulated fires are none likely to reach highly populated areas despite decreasing reliability on the weather forecasts as time progresses, and unknown suppression effectiveness of an inner. Sensibility was identification, and PGAE will be able to provide results in 2023 that quantity the effectiveness of a horizon transportation distribution. Sensibility and provide results in 2023 that quantity the effectiveness of a horizon transportation of the provide results in 2023 that provide r		4/12/2024	Significant Updates to Risk Models (WDRM v4 & WTRM v2)	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence

Pre-Discovery 05	CuPA	Set WMP-02	CalPA_Set WMP-02	1	CalPA_Set WMP-02_Q1	Phase identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by internal entities that were completed since January 1, 2022 and that examined any programs, initiatives, or strategies described in your 2022 WMMP Update. Phase identify and provide a copy of all quality assurance or quality centrol (QA/QC) reports conducted by setteral entities that were considered since January 1, 2022 and that examined any organisms 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	N/A
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 topics/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 battle of all declets in the year 202 band by Energy Safety's Compliance Branch (as nows) that succless the following information in separate columns. b) Defect type: 1) Description of defect 1) Walt missine (born was 5022 WMB update) associated with defect 1) Walt missine (born was 5022 WMB update) associated with defect 1) Walt missine (born was 5022 WMB update) associated with defect 1) The defect that not yet been corrected as of the issuance date of this data request, a brief explanation 1) Brooky level corresponding corrected as of the issuance date of this data request, a brief explanation 1) Brooky level corresponding corrected as	Please see attachment "WMP-Discovery2023_DR, CalAdvocates_002-003Actri0**CONF_stax" for a list of all alleged defects derified in December 2021 by the Office of Energy Infrastructure Safety ("Energy Safety"), Please note these defects were issued an enticiation of defects in March 2022. Please note the billowing. Not all corrective actions required Electric Corrective (CC) notifications (or "EC lags"). For example, while reviewing the alleged defects from Energy Safety, some work was addressed directly in the field (e.g., billowing of vegetation), and no EC lag was created.	2/22/2023	8.1.3	Asset hispections	N/A
Pre-Discovery 08	СвРА	Sel WMP-03	CaiPA_Set WMP-03	1	CaPA_Set WMP-03_Q1	I) Coorginate tomplate of defect in decreal degrees, functed to seven decental place information in separate columns. a. Circal Tambe b. Circal Tambe c. Circal Tambe c. Circal Tambe c. Circal Tambe d. Circal Tambe d. Circal Tambe d. Circal Tambe d. Circal Theorem (Tamber of the Circal Tamber o	Posses provincing are regional constructions are set sets as executives to the processing and processing and provided and provided and provided and processing and provided and	3/10/2023	8.1.3	Asset hispections	Distribution
Pre-Discovery 09	CuPA	Set WMP-03	CalPA_Set WMP-03	2	CalPA_Set WMP-03_Q2	Motivaries an Excess under or is trainerflation striction establish did 0' annuary 1', auux per rowey are mouses are following elements in separate columns. 5. Circuit Di number C. Total circuit miles in Non-HFTD Areas e. Circuit miles in Non-HFTD Areas e. Circuit miles in Non-HFTD Areas e. Circuit miles in Non-HFTD TES . 6. Circuit miles in NFTD Tes 3 7. Circuit votiges. 7. Total customer-invalued of de-energization on the circuit due to PSPS events in 2021 (sum of customer-minutes in Total customer-minutes of de-energization on the circuit due to PSPS events in 2022 (sum of customer-minutes and per separate in 1' total customer-minutes of de-energization on the circuit due to bas-hip settings in 2021. 7. Total customer-minutes of de-energization on the circuit due to fast-hip settings in 2022. 8. Total customer-minutes of de-energization on the circuit due to fast-hip settings in 2022. 9. Number of support structures replaced in Non-HFTD in 2022. 9. Number of support structures replaced in Non-HFTD in 2022. 17. Number of support structures replaced in NFTD Tile 2 in 2022. 18. Number of support structures replaced in HFTD Tile 2 in 2022. 19. Number of support structures replaced in HFTD Tile 2 in 2022. 19. Number of support structures replaced in HFTD Tile 2 in 2022. 19. Miles of LIDAR inspection in Cher HFTD in 2021. 20. Miles of LIDAR inspection in HFTD Tile 2 in 2022. 21. Miles of LIDAR inspection in HFTD Tile 2 in 2021. 22. Miles of LIDAR inspection in HFTD Tile 7 in 2021. 23. Miles of LIDAR inspection in HFTD Tile 7 in 2021. 24. Miles of LIDAR inspection in HFTD Tile 7 in 2021. 25. Miles of LIDAR inspection in HFTD Tile 7 in 2021. 26. Miles of LIDAR inspection in HFTD Tile 7 in 2021. 27. Number of support structures replaced in HFTD Tile 7 in 2021. 28. Miles of LIDAR inspection in HFTD Tile 7 in 2021. 29. Miles of LIDAR inspection in HFTD Tile 7 in 2021.	reduced in the table below are noted table countered support to the support of the countered support of the countered support of the countered support of the countered support of the support of the countered support of the support of the support of the countered support of the support of th	3/10/2023	8.1.3	Asset Inspections	Transmission
Pre-Discovery 10	CuPA	Set WMP-03	CaiPA_Set WMP-03	3	CalPA_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, ethel partially or exities; if this includes permanent removal, removal of overhead lines the following information in separate columns. a. Circuit name b. Circuit fill prambles c. Circuit fill prambles c. Circuit fill prambles c. Circuit may be commissioned in Non-HFTD Aveas d. Circuit miles removed or decommissioned in Non-HFTD Text 2 d. Circuit miles removed or decommissioned in NFTD Text 2 f. Circuit miles removed or decommissioned in NFTD Text 3 g. Reason(s) for removal or decommissioned in NFTD Text 3 g. Reason(s) for removal or decommissioned in NFTD Text 3	Allached is "VMAP-Discovery2022, D.R. Calvid-vocates_003-0003Abth01.star", which provides information regarding removals of primary distribution lines in H=TD in 2022, which is the subset of the requested information available at removals of primary distribution lines in H=TD in 2022, which is the subset of the requested information regarding removals, and the removal primary in the removal of the removal when removals when response to the request. a. Circuit rimer: See robiner 0. C. Circuit rimer: See robiner	3/10/2023	8.1.2	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 in 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 at least 60% of an 2022 EVM Seeden 7.1.8. In 2022, the goals for the EVM program were: (1) to perform the EVM EVM Seeden 7.1.8. In 2022 EVM Seeden 7.1. In 2022 EVM Seeden 7.1.8. In 2022 EVM Seeden 7.1.8. In 2022 EVM	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 5595 emergencies — section 5 VMPF and vittles and 5595 emergencies — section 5 VMPF and vittles 2024 VMPF and vittles and 5595 emergencies — section 5 VMPF and vittles and 5595 emergencies — section 5 VMPF and vittles 2024 VMPF very made that desired part 3). But a vittle section 5 VMPF and vittles 2024 VMPF very made ver	3/7/2023	4.3	Proposed Expenditures	NIA

					+					
Pre-Discovery 19	CaPA	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 is identified in your 2023-2025 VMP b) The VMP initiative number in Table 11 of your 2023-2025 VMP b) The VMP initiative number in Table 11 of your 2023-2025 VMP C) The VMP initiative number in Table 12 of your 2022 VMP Update d) An explanation for the projected increase.	la jazza VMP financials are mapped per VMP initiative Activities as laid out in Table 11 from Energy Safely, As the Lazza VMP in a new cope with there mapping of fortunatis by schilders bat sligh with the 2022 VMP narrahive, there is not an applies-to-applies re-mapping of costs back to the 2022 VMP even. Thus, the comparison can only be made using the 2020 VMP residentise and accold number where the 2024 capital forecast is at least two times compared to the 2022 recorded costs. - Customers upport in wideline and PSPS emergencies – section 8.4 to 1) See the response to part a). 1) N.A. are opplained in part a) livere is not an applies-to-applies re-mapping of costs back to the 2022 VMPP view. Thus, the comparison can only be made using the 2022 VMPP view of 2022 recorded costs. - Lisationers upport in visitifie and PSPS emergencies — There was a mirror cost adjustment/correction in the 2022 - Customer support in widifier and PSPS emergencies — There was a mirror cost adjustment/correction in the 2022 - Customer support in widifier and PSPS emergencies — There was a mirror cost adjustment/correction in the 2022 recorded costs with residued in a creditingwhere in the 2022 excorded costs as shown in Table 11.	3/7/2023	4.3	Proposed Expenditures	NA
Pre-Discovery 20	CaPA	Set WMP-04	CalPA_Set WMP-04	S CaiPA_Set WMP-64_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 rame of the initiative as it is identified in your 2023-2025 WMP b) The WMP shinker number in like it of your 2023-2025 WMP b) The WMP shinker number in like it of your 2023-2025 WMP d) The WMP historie number in Table 12 of your 2022 WMP Update a) An explanation for the projected increase.	a) 2023 WMP financials are mapped per WMP initiative Activities as laid out in Table 11 from Energy Safely, As the 2023 WMP is a new cycle with even imaging of femicals by particles that align with the 2023 WMP namelyse, there is called the 2023 WMP with the properties of the 2022 WMP of the 2023 WMP namelyse, there is large by 2023 WMP view. Bellow are the 2023 WMP activities and earlier of the 2022 WMP activities and section turnalises where 2023 persigning species for except the 10-Pers technologies and systems on 618 instell above – section 8.1.2.12 * Fall in miligation 8.2.3.4 b) See the response to part a). c) NIA As explained in part a) flewer is not an applese-th-applies re-mapping of costs back to the 2022 VMMP view. Thus, the comparison can only be maked above – The 2022 recorded costs. a) Explanations for the projected increases are below: **Other technologies and systems not falled above – The 2022 recorded costs in Table 11 are too low due to missing some costs. The 2027 recorded costs need to be adjusted to put in recorded costs for Substition animal absternent. Table 11 pursuant the the 2023 X20 VMMP collections from Energy Safely, **Environmental monitoring systems – The Dresest increase in 2023 is mainly driven by articipated weather station articles and the second of the propried of the second of	3/7/2023	43	Proposed Expenditures	NIA
Pre-Discovery 21	CaPA	Set WMP-04	CaiPA_Set WMP-04	4 CaIPA_Set WMP-64_Q4	For each WMP initiative for which you forecast operating expenditures in 2024 to be at least two times actual operating expenditures in 2022. Dessee provide: a) The name of the initiative as it is identified in your 2023-2025 WMP b) The WMP initiative number in Table 11 of your 2023-2025 WMP of the initiative number in Table 11 of your 2022-2025 WMP of the initiative number in Table 15 of your 2022 WMP Update e) An explanation for the projected increase.	a) 2023 WWP framcusia ser empecpé per WMP initiative Activities as laid cal in Table 11 from Errory Safely, As he is not applies-to-applies re-mapping of costs back to the 2022 WMP view. Cal Zonarrative, there is not an applies-to-applies re-mapping of costs back to the 2022 WMP view. Thus, the comparison can only be made using the as a least two times the 2022 condect cases and sed on markers where 2024 copied cases. • Other technologies and systems not listed abovesection 8.1.2.12 • Fall in miligation 8.2.3.4 • Safe in miligation 9.2.3.4 • Safe in miligation 9.2.3.4 • Safe in miligation 9.3.4 • Safe in military 9.3.4 • Safe in	3/7/2023	43	Proposed Expenditures	NIA
Pre-Discovery 22	CalPA	Set WMP-05	CalPA_Set WMP-05	1 CalPA_Set WMP-05_Q1	In response to Data Request California FOE-2022WMP-3 on September 8, 2002, PGSE provided information regarding las Wildlifer bibitation filiak dood version 3 (VDRM N3). 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 indicap, please values.	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) Have you identified transportation corridors within your service territory where failing or failing lines or poles could currently limit egiess and/oir ingress during an entergency? b) if the arrender lost (a) is yet, piesses describe how you identify such transportation corridors. (c) if a walkide, piesse provide a geospatial data file that contains all current identified transportation corridors with largress and egiess hazeris.	3) The potential of failing or failing lines or poles near identified transportation contriors is not currently reflected in our fast modeling. PSEA Pulls Safety Specialists with experience as career wildrand frieflighters have reviewed general egrees and/or. Impress concerns when evaluating circuits or circuit segments for potential system hardering work. b) Not applicable 10 Not applicable	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 CaPA_Set WMP-65_Q4	Hease supreset Table 19 of the row-special data batter in your WIRF Counterly Data Report to GA 672022, which reports assert deviced correction endicated controller indicated co	a-b. Please see situadments "WMP-Discovery0222_DR_Calk/dvocates_005-0004Ach01.sis" for the requested Distribution information and "WMP-Discovery0222_DR_Calk/dvocates_005-0004Ach012.sis" for the requested control of the control of t	3/10/2023	QDR	N/A	tago
Pre-Discovery 26	CalPA	Set WMP-06	CalPA_Set WMP-06	1 CalPA_Set WMP-08_Q1	Provide your workplain that describes where you will undertake EVM projects in 2023. This workplain should be in an Excel Formal, who in crude-segments as rows. Please include the following information in separate columns in the Excel spreadsheet at a minimum: a) Circuid name b) Circuid Prumber c) Circuid Prumber d) Circuid Prumber d) Circuid Sympher River (C) Circuid-segment (D) number e) EVM millies to be completed in 2023 River Institute (S) by the circuid segment.	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	СаРА	Set WMP-06	CalPA_Set WMP-06	2 CalPA_Set WMP-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-agreement as rows. Please include the following information in separate columns in the Excel spreadsheet at a minimum. Of Circuit name of the Excel spreadsheet at a minimum of Circuit agreement of a Circuit agreement of Circuit agreement of Circuit agreement of Circuit agreement of Excellent of Circuit agreement of Excellent of Circuit agreement of Circuit agreement of Excellent of Circuit agreement of Excellent of Circuit agreement of Circuit agreement of Excellent o	The EVM program concluded at the end of 2002. 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 Data Request Calvideocates-PGE-2022WIMP-11, Question 2, March 3, 2022, PGAE provided its 2022 EVM workplan. Please provide an updated vestion of this workplan that lists the schall EVM intellage 100 and 100 are provided to the provided and the provided to the provided to the provided by the segments where you performed EVM work in 2022 (even if those circuit-segments were not included in the original workplan).	Please see "WMP-Discovery2023 DR, Califudvocates_006-0003Auth'01 star' for actual 2022 EVM mileage data broken down by crisid segment. Column G on lab '2022 EVM Miles Planned' contains the number of miles planned for EVM work in 2022. Column G on lab '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 privileuses 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, oxidages, and/or sprinters and other specific control of the programs of the proposed of the programs are also referred to as EVMT transitional or develop armount of the Tesper programs are also referred to as EVMT transitional organisms.	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 bitlosics as the size as bitlosics as the size as bitlosics as the size as bitlosics of the size as the siz	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. Collaborates, 006-0008-bits 01COM* size for a list of all contractors involved single price orizons they price in 2012. This size in orbits of this in holds in the limited for - Contractor NameParestDc. The contractor/parent company involved in the incident. - Date EN: The date he incident was formally reported and logged. - Division: The division where the incident contractor was formally reported and logged. - Individent Description or Abert description of the incident. - Individent Description: A bert description of the incident. - Cornective Action: A description of the incident contractor was soviety on, on the date of incident. - Cornective Action: A description of the action(s) PGEE took to prevent recurrence. - Research, but the Description of the action(s) PGEE took to prevent recurrence. - Research, but the Description of the action(s) PGEE took to prevent recurrence. - Research, but the Description of the action(s) PGEE took to prevent recurrence. - Research, but the Description of the action(s) PGEE took took or prevent recurrence. - Research, but the Description of the action(s) PGEE took took or prevent recurrence. - Research, but the Description of the action(s) PGEE took took or record to record to the action of the	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 show the detail system hardering work performed in updated version of this worksplan with a first order of the categories. Please and cross are needed to cover all cross all cross are needed to cover all cross degrees 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 associated with remote grid work.	Note, for Californative PCE-20224NEV-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 let of 2022 projects. Similarly, the 2020 cultures were only for projects that overlapped with 2021 completed miles. 8t did not represent a comprehensive let of 2020 projects. Similarly, the 2020 cultures were only for projects that overlapped with 2021 completed miles. 8t did not represent a comprehensive let of 2020 projects. Similarly completed work is the below colorism. See "NMP-Discovery 2023, DR. Californative 500-COV7 Att/n1 CONF stax". This file includes the 2022 system hardwrings completed with 5 the 100-colorism. In Intelligent of convent on Colorism. In Intelligation of covered conductor: See column 0. Note, this removal work is not associated with the lines removed from overhead for installation of underground projects. It is strictly overhead conductor completely de-energized and removal of of overhead conductor secondard with the lines removed down in 2022. Since the installation of underground projects. The strictly overhead conductor completely de-energized and removal of de-energized conductor will take place in 2023. Similar to the response to Californative Foreign the place in 2022 and 2020 only where projects invertible with these years. Thus, the 2021 and 2020 only where projects overhop with flower years. Thus, the 2021 and 2020 only where projects overhop with flower years. Thus, the 2021 and 2020 only where projects overhop with flower years.	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 creats in 2023. For projects that you expect to praisity compress in 2023, expressles that the before 2023 and se especied 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 once projects affects more than one circuit-segment, please identify each once projects of the compression of the compre	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 still perform system hardening on distribution circuits in 2004, for projects that you provide protainly comprised and only office project and are expected to be stribed in 2004, or projects that you provide you are provided to start broads on the project and sepach the expected to be stored to extend the start project. The project and sepach the work that you cross set will author by the primer and extended that 2004, please include the project 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 project of the project affects more than one circuit-segment, please identify each of 17 Relevant without the six society) from the wildfilter task model that you are using to estimate distribution risk in your 2023-2025 WMAP filing 1) The expected or studied and other of the project. 1) Length (in circuit miles) of overhead conductor to be pertainedly in 2004. 1) Length (in circuit miles) of overhead conductor to be permanently removed in 2004 and neplaced by underground conductor be be intellisted in 2004. 1) Length (in circuit miles) of overhead conductor to be permanently removed in 2004 and not replaced with covered conductor to the permanently removed in 2004 and not replaced with covered conductor for deep intelligence of project. 1) Length (in circuit miles) of overhead conductor to be permanently removed in 2004 and not replaced with covered conductor for the permanently removed in 2004 and not replaced with covered conductor or undergrounded.	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 introduction impections in 2024. c) Please describe any changes to a be 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: "Wildlier Risk, which is informed by the water Hard Thrammission Composites Moded *I/CR(M) armalated probability "Wildlier Risk, which is informed by the water Hard Thrammission Tests Moded V1 (see respection result trents, Nation for locations etc.) "For additional details on this strategy, please refer to destion 8.1.9.1 of our 2002 WMP resp. "For additional details on this strategy, please refer to destion 8.1.9.1 of our 2002 WMP resp. (National Strategy) in 2004. However, as "For additional details on this strategy, please refer to destion 8.1.9.1 of our 2002 WMP resp. (National Strategy) in 2004. However, as "FORES" into moderate and undestinating the distribution system continues to maken, we may adjust the strategy described above or establish additional criteria to define the strategy of securities above or establish additional criteria to define the strategy of securities above or establish additional criteria to define the strategy of securities above or establish additional criteria to define the strategy of securities above or establish additional criteria to define the strategy of the strategy of securities above or establish additional criteria to define 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 granularity 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 pSPS circuit modeling capabilities that you expect to (*) Please describe any improvements (*) 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 injoint nitro. PGES frootles are de-energizers circuits utilizing all wishfling devices on the system that do not pose injoint nitro. PGES frootles are deviced to the pose of the pose o	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 shortly with PDFS risk values and Circuit Segment fames. Due to the different circuit of yest, please see "WMP-Discovery0222_DR_CalAdvocates_(096-0017Acint/02CONF.siss" which provides the circuit segment PSFS risk values. e) Very please see "WMP-Discovery0222_DR_CalAdvocates_(096-0017Acint/02CONF.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 incursity, to crisi also read to the control of	3/9/2023	8181	Grid Operations and Procedures	Equipment Settings to Reduce Wildfre Risk

Pre-Discovery 46	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	4 CPUC - SPD (Safety Policy Division)_001_04	General risk reduction inquiry: -Whats FGSE's goal for long-term insk reduction, particularly reduction of likelihood of ignition and also reduction of consequences, for circuits in HFTIDs that are not undergrounded?	PGAE's long term goal is to maximize risk reduction by undergrounding high whitfire risk locations. For locations that will not be undergrounded, we will continue to deploy our suite of Operational Mitigations and other For locations that will not be undergrounded, we will continue to deploy our suite of Operational Mitigations and other For locations and the property of the pro	3/9/2023	7.2.1	Wildfre Mitgalion Strategy Development	Overview of Miligation initiatives and Activities
Pre-Discovery 47	Green Power Institute (GPI)	001	Green Power Institute (GPI)_001	1 Green Power Institute (GPI)_001_01	Teams protein Edic Type Auditionistics 2023-2023 WINP Base Pain Bed on February 13, 2023, with the OEIS Facilities 2023 WINF Condenies and Schelder Accurated Notaling all administrated and associated supporting documents required for the Pre-submission 2023-2025 WINP Base Plan filing.	information for individuals that is considered confidential. An orded in our compensorance by our makes this and March 10th, we can provide you with a copy of the pre- salamission obcurrents that were submitted upon execution of a ran-disclosure agreement. Afternatively, we will be written Mitigation in Pan (VMP) for public review on March 27, 2013, flyse woold prefer to want for a copy of the completed VMIP following Energy Safety's completeness check. Please feel fire to reach out to us to discuss how you would prefer to most forward with their execution.	3/14/2023	All	All	All
Pre-Discovery 48	CaPA	Set WMP-37	CaiPA_Set WMP-37	1 CalPA_Set-WMP-37_Q1	Please provide a copy of each WMP Update-related document, submission, or report you submit to the Office of Energy infrastructure Safety (Energy Safety) in 2024 or 2205 that is related to your 2025 WMP Update. Provide the copy in Call Advances within one bearies and one of the council and sometimes to free provide (F. You have no later than 100 usiness days from the issuance of the date request). This request is infrastructure (RISS) calculations, cost-benefit ratio (CBR) calculations, or WMP change orders, and (2) are provided to Energy skelly to provide additional details or control connecting information or statements in your WMP (and any subsequent revisions or change orders affecting your WMP).	PGGE Colpets to the instructions or definitions in the set of data requests entitled California Cal	4/3/2024	N/A	N/A	N/A.
Pre-Discovery 49	CaPA	Set WMP-37	CalPA_Set WMP-37	2 CaiPA_Set WMP-37_Q2	Provide a copy of all documents or these that are referenced in your WIMP businerly Data Reports and submitted to Greeg Geology (mutual business) and a submitted to the confidence of the confi	In addition to all general objections, PGAE apportionally objects to this request on the grounds that it is unby betweenous PGAE of their objects to the recepts at the provision of the provisio	4/3/2024	N/A	NA	N/A
Pre-Discovery 50	CaIPA	Set WMP-37	CaiPA_Set WMP-37	3 CaiPA_Set WMP-37_Q3	Provide a copy to Call Advocates of all your confidential responses to WMP discovery requests, on the same business day that you send the documents to the issuer of the discovery request. The includes: a) Confidential responses to WMP discovery requests issued by energy Safety. b) Confidential responses to WMP discovery requests issued by other entities.	In addition to all general objections, PCAE appendically objects to this request on the grounds that it is unify burdensome, PCAE therefor objects to the receptant as the grounds that it is unify burdensome, PCAE therefor objects to the receptant as the third objects of the grounds that it seeks to impose a continuing response obligation on the responding particle, Confirming discovery obligations are not permitted under California law Ellies V. Exoon Mohit Corp., 124 Cal App 4th 1315, 1326 (CDAY), Code the proposal as follows. Notwithstanding and without swinting these objections, PCAE We will do our best to provide the requested information within the requested information, or as soon as position the proposal and positions of the proposal and violential california of the provide the requested information within the requested information and violential california of the submitted of the proposal and violential california of the proposal and proposal and violential california of the proposal and the proposal and violential california of the proposal violential california of the proposal and violential californi	4/3/2024	N/A	N/A	N/A
Pre-Discovery 51	CaPA	Set WMP-38	CalPA_Set WMP-38	1 CaiPA_SetWMP38_Q1	related by the control of the contro		4/12/2024	ē	Section 8.1.3 - Asset Inspection	B.1.3.2 Asset Inspections - Distribution

					Provide an excel table of all transmission circuits existing as of January 1, 2024 (as rows) that includes the					
Pre-Discovery 52	CaPA	Set WMP-38	CalPA_Set WMP-38	2 ChiPA_Set WMP-38_Q2	Indicating information in separate columns: a) Circuit name of Circuit name in Chee HPTD of Circuit name in HPTD Ter 3 of Circuit name in Circuit name in Circuit due to feasivity settings in 2023 of Number of support siturchians replaced in Chee HPTD Ter 3 of Circuit name in Circu		4/12/2024	a	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 CaPA_Set WMP-38_Q3	Provide an Exest table of all distribution circuits existing as of January 1, 1222 (as rows) that were removed or decommissioned to 2023, either partially centrely. This includes permanent removal, removal of overhead lines that were encoved or designound, or overhead lines that were decommissioned but not physically removed. Include the following information in separate columns: a) Circuit a framework of the commissioned in Non-HFTD (c) Circuit Distribution of the commissioned in Non-HFTD (c) Circuit miles removed or decommissioned in Non-HFTD tie 2 f) Circuit miles removed or decommissioned in NFTD Tie 2 f) Circuit miles removed or decommissioned in NFTD Tie 2 f) Circuit miles removed or decommissioned in NFTD Tie 2 f) Circuit miles removed or decommissioned in NFTD Tie 2 f) Circuit miles removed or decommissioned in NFTD Tie 2 f) Circuit miles removed or decommissioned in NFTD Tie 2 f) Circuit miles removed or decommissioned in NFTD Tie 2 f) Circuit miles removed or decommissioned in NFTD Tie 3 f) Respon(s) for removal or decommissioned in NFTD Tie 3 f) Respon(s) for removal or decommissioned in NFTD Tie 3		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 CaPA_Set WMP-38_Q4	Incompany of the state of utilization and incompanies of the state of		4/12/2024	8	Section 8.1.3 - Asset Inspection	8.1.3.1 Asset Inspections - Transmission
Pre-Discovery 55	MGRA	008	MGRA_Data Request No. 8	1 MGRA_Data Request No. 8_Q1	CIS Data: Please provide the GIS data set provided to the Office of Energy Infrastructure Safety for 01-04 2023. Please renow any confidential attributes that may have been added to the requested records. Asset Point data for Camera, Fuse, Support Structure, and Weather Station.	CONDENS TATEMENT RECARDING RESPONSES TO QUESTIONS 1 THROUGH 6 in response to question 1 through 6 of this explose. Page 1 per position of the property of the	4/5/2024	Appendix D	Appendix D - Areas for Cordinaed supprovement	Appendix D ACI PC&E-22-33 Progress on Filling Asset Inventory Data Gaps
Pre-Discovery 56	MGRA	008	MGRA_Data Request No. 8	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 this request, PGAE is portified producing non-confidential data for the Primary and Secondary Distribution Line Feature Classes, as delivered in the 2025 Energy Safety CGS Data Standard Cohemistican. As requestler, PGAE is not providing the Commission of the Cohemistican of the Cohemistican Cohemistican (PGAE) and providing the Cohemistican Cohemi	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 Request No. 8	3 MGRA_Data Request No. 8_Q3	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 photos.	In response to this request, PGEE is unable to provide Public Safety Power Shadif (PSPS) Event dato for the Custer (cr)), and 0.32 2023 submissions as no PSPS (Events took place those quarters. Two PSPS events occurred during the third quarter in 2022. An requested or non-condiminated data included in this response. For the data provided in response to this data required. For the data provided in response to this data required. The response to this request, PGEEE providing non-condificiental data for the Wite Down,	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 Request No. 8	4 MGRA_Data Request No. 8_Q4	Provide Risk Evert Point data, including Wire Down, Ignition, Transmission unplanned outage (as dassified non-confidential), Distribution Urplanned Outage data, Distribution Vegetation Caused Urplanned Outage, Risk Event Asset Log.	In recorne to this request, PC&E is providing non-confidential data for the Wire Down, lightini. Unplanned Doulge, and Risk Devel Asset Log feature classes, as delivered in the 2023 Energy Safely GS Data Standard Submissions. Energy Safely changed its schema for version. 1 of the Data Standard and combined and Long Installar Classes schema for version. 1 of the Data Standard and combined and Long Installar Classes Please see attachment "WIPD Discovery/QI23-2005. DR MGRA_008-Q001Ach101.zip." for the data provided in response to the 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 Request No. 8	5 MGRA_Data Request No. 8_Q5	Under histatives, please provide Gird Hardening data, including Hardening Log, Hardening Pont, and Hardening Line data. Inspection data is not requested at this time.	In response to this request, PGAE is providing non-confidential data for the Grid Hardening Port and Grid Hardening Line Restaure classes, a delivered in the 2023 Energy Safety GIS 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 "WIM"D-liscovery/2023-2025 DR, MGRA, 008-Q001Alctr01 zip," for the data provided in rescores to life 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 60	MGRA	008	MGRA_Data Request No. 8	6 MGRA_Data Request No. 8_Q6	Under Other Required Data, please provide Red Flag Warning Day polygon data.	In response to this request, POEEE is providing non-confidented data for the Red Flag Warning Day polygon data for 024.02 450 Feature class as delivered in the 2023 Energy Sidely GIS Data Standard Submissions, POEEE is unable to provide the Red Flag Warning Day polygon data for the 102 C023 aluminisons and here were no Red Flag Warning Day Hopping data for the 102 C023 aluminisons and here were no Red Flag Warning days to report. Warning days to report. For the Control of the POEEE CON	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 Request No. 8	7 MGRA_Data Request No. 8_Q7	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.	for the data provided in reasonne be this data reviews. The requested crisis agenet-level in its model results that correspond with this request for 2023 01-04 data are the Wilder Distribution Risk Model (WDRM) of results that were provided previously in WIMP-Discover/2022 DM, MGRA, 01-000 and submitted in the provided previously in WIMP-Discover/2022 DM, MGRA, 01-000 and submitted in PGER 2025 WIMP Update, the rest fernition of the Wildfer Risk model (WDRM w) is a cultified. 1 After Risk the the model has recently been internally approved for use in developing future workplans. WDRM will influenced workplans will be first infroduced in the 2026 WIMP.	4/5/2024	Appendix D	Appendix D – Areas for Continued Improvement	Appendix D ACI PG&E-22-30 Response Operations for Potential Fault/Outages in its Highest Risk Areas

Pre-Discovery 65 Pre-Discovery 66 Pre-Discovery 67	CalPA	Set WMP-39	CalPA_Set WMP-39	6	CalPA_Set WMP-39_Q6	regarding your asset inspections in 2023.	Q006Atch01.xlsx* for the requested information.	4/0/2024	Ü	Securit 6.1.3 = Asset inspection	8.1.3 Asset Inspections
						Please fill out the attached spreadsheet. CalAdvocates-PGE-2025WMP-03 Attachment 1, requesting information	Please see attachment "WMP-Discovery2023-2025 DR CalAdvocates 039-	4/5/2024	8	Section 8.1.3 - Asset Inspection	
Pre-Discovery 65	CaPA	Set WMP-39	CulPA_Set WMP-39	5	CaiPA_Set WMP-39_QS	For each WMP initiative for which you forecast operating expenditures in 2025 to be at least two times actual operating expenditures in 2025, jeese provide: b) The WMP initiative number in Table 11 of year 2025 WMP Update. c) The name of the initiative as its detailed in your 2023-2025 Base VMP d) The WMP initiative number in Table 11 of year 2023-2025 Base VMP e) An explanation for the projected increase.	forecast operating expenditures in 2025 are at least two times actual operating expenditures in 2025 (Infain insignator, 2) intercipation, and insignator, and insignator and in	4/5/2024	4	Section 4 - Overview of WIMP	4.3 Proposed Expenditures
	СыРА	Set WMP-39	CalPA_Set WMP-39	4	CulPA_Set WMP-39_Q4	For each WMP Initiative for which you forecast capital expenditures in 2025 to be at least two times actual capital expenditures in 2025, please provide: 8) The name of the initiative as it at a feelfilled in your 2025 VMP Update.	I rest de a de vot rare inservers unt de l' en popularier page de la cette de la frecesta cipatile appreliative in 2023 et el cette de la frecesta cipatile appreliative in 2023 et el cette de la frecesta cipatile appreliative in 2023 et el cette de la frecesta cipatile appreliative in 2023 (1) custome support in widelle and PSPS emergencies. (2) Traditional Overhead Hardwrigi (2) PSPS emergencies (2) Traditional Overhead Hardwrigi	4/5/2024	2.3 Expenditures	Section 4 - Overview of WIMP	4.3 Proposed Expenditures
Pre-Discovery 64	CalPA	Set WMP-39	CalPA_Set WMP-39	3	CalPA_Set WMP-39_Q3	Provide an Excel table of all defects in the year 2020 found by Energy Safety's Compliance Branch (as rows) that includes the following information in separate columns: a) associated circuit name b) Defect type) Defect type) Defect type (defect) d) WMP pristative (from your 2022-2025 WMP) associated with defect d) WMP pristative (from your 2022-2025 WMP) associated with defect d) Date that the defect was identified d) be that the defect was identified d) because the defect was identi	Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentially declaration. Please see attachment "WMP-Discovery 2023-205.DR C_SIAdvocates_039-C003Auth	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)
Pre-Discovery 63	CalPA	Set WMP-39	CalPA_Set WMP-39	2	CalPA_Set WMP-39_Q2	Please identify and provide a copy of all quality seaumore or quality centre (QACC) reports conducted by externel entitle in the three been completed since. January 1, 2023 and that downheat any programs, inflatives, or strategies described in your 2022-2026 lase WMP. Externel retitle include, but are not limited to, consultants, contractors, auditors, court-appointed monitors, and independent Evaluators.	Smills to PAGE's response to this request last year, a new report from the bedyendent Safety Monthly was professed to the CPUC on Machina's 20, 2004, and published by the CPUC on Agril 4, 2024. All reports from the bedpendent's Safety Monthly, relocating this most recent report, but he bound at the Solidaning facts. Tallips all wave rapic cap synthosia lines and supposing period reported residently monthly. The Intelligent shows rapic cap synthosia lines and supposing period reported residently monthly. The Intelligent Solidaning and an advantage of the programm, smith and including programs and including described and 2002-2002 WMP of programm, smith and programs and including described and 2002-2003 WMP of programm, smith and programs and matter described and 2002-2003 WMP of programs, smith and programs and matter and the second secon	4/5/2024	8	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)
Pre-Discovery 62	CMPA	Set WMP-39	CalPA_Set WMP-39	1	CaIPA_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 2025-2025 Base WMP.	PEEE Instruction in a managed Cautility Assurance (DA/Choulity Carolini (CD) within or individualized Instruction area. In 2023. PEEE Emmissized is instruction area. In 2023. PEEE Emmissized is instruction area. In the representation of the System Repections and Vegetation Management functional areas. As a result, the response provided for 2023 aligns with data produced for 2023 aligns with data for the following programs. the Distribution: - Vegetation Management Route Clearing (ES) - System Inspections Distribution; and - WIMP-Discovery/2023 2025 DR, Cald-Ariccaste, 098-0001Adx102.dxs - WIMP-Discovery/2023 2025 DR, Cald-Ariccaste, 098-0001Adx103.dxs	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 CalPA_Set WMP-39_Q8	In response to Data Request CalAdvincates-PGE-2020VMP-05, Question 8, Merch 28, 2023, PG&E provided its 2023 system hardening workplan for the categories referred to in parts (a)-(d)-(d) below. Peases provide an updated version of this workplan with paddison doubtrees to show the exact 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 workplan, sold spilan hardening work in 2023 (even if those circuit-segments were not included in the categories with the control of the control	Fleese not the statement to his response contains CONFIDENTNL information provided pursuant to the excompanying conferentially declaration. Please see statement VMEP-Discovery 2023-2023. DR. Caladvocates _0.09- COSSNA/STOCENTS have for the requested information. This statement contains our contains are under the complete of the com	4/5/2024	ACI 23-05 Updating Grid Hardening Decision Making	System Hardening	NIA
Pre-Discovery 70	CaPA	Set WMP-39	CalPA_Set WMP-39	9 CaIPA_Set WMP-39_Q9	Provide your workplan that describes where and when you will perform system hardering on distribution circuits i 2025. For projects that you repeat to partially complete in 2025 (i.e., projects that stated before 2025 and are appeaded to continue in 2025, or projects that are expected to continue in 2025, or projects that are expected to continue in 2025, projects that are expected to continue in 2025, projects that are expected to continue in 2025 and are project. For each project, include the following information in separate columns, at a minimum: 1) MAT code 1) Orient ID number 1) Circuit ID number 1) Circuit ID number 1) Circuit ID number 1) Circuit ID number 1) (Revision of the control of the project affects more than one circuit-segment, please identify each recipil or control of the control	ODDRAFOTIONN size for all six of PCAEEs a system insufering projects for the years 2023-2020. Please note that we combine years 2025 and 2026 at the projects for the policy of the poli	4/5/2024	ACI 23-05 Updating Grid Hardening Declaion Making	System Hardening	NIA
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.	Total Line Removal Reflectation of Undergrounds Undergrounds Overhead Hardening (Covered Conductor) Other Target Actuall Projecteds Target Actuall Projected Target Actu	4/5/2024	ACI 23-05 Updating Grid Hardening Decision Making	System Hardening	NIA
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 "WIMP-Discovery/2023-2025_DR_Callydvocates 039- 0011 Air/Init Jask" for an updated version of the requested table as of February 22, 2024. As described in response to Callydvocates (039-000_PGSE combined years 2025 and 2026 because the construction timelines associated with these projects are still ben'ts 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 Orsiber 3, 2023, the Wildfire Safety Advisory Board held a meeting. Four documents related to PGAE's grand-level distribution system plot are intend in the meeting materiats (see https://innergysafety.ca.gov/events-and-meetings/event/abutifice-safety-advo-pbeart-meetings/event/-0.20239). Please provide confidential (c. e. unredacted) copies of these four documents: 1) Project Plot Sorget 1) Project Plot Groupe 1) Product Horisoppe 1) Project Plot Groupe 1) Product Horisoppe 2) Product Horisoppe 3) Product Horisoppe 4) Product Horisoppe 2) Product Horisoppe 3) Product Horisoppe 4) Product Horisoppe 4) Product Horisoppe 5) Product Horisoppe 6) Product Horisoppe 1) Product Horisoppe 1) Product Horisoppe 1) Product Horisoppe 1) Product Horisoppe 2) Product Horisoppe 2) Product Horisoppe 3) Product Horisoppe 4) Product Horisoppe 4) Product Horisoppe 5) Product Horisoppe 6) Product Horisoppe 1) Product Horisoppe 1) Product Horisoppe 1) Product Horisoppe 2) Product Horisoppe 2) Product Horisoppe 3) Product Horisoppe 4) Product Horisoppe 4) Product Horisoppe 4) Product Horisoppe 5) Product Horisoppe 6) Product Horisoppe 1) Product Horisoppe 1) Product Horisoppe 1) Product Horisoppe 1) Product Horisoppe 2) Product Horisoppe 2) Product Horiso	a) Please see attachment WMP-Discovery2023-2025, DR. CaliAnocates, 039- 01724Ad/10 CNP-Diff to the Experimental Installation Letter. b) Please see attachment "WMP-Discovery2023-2025, DR. CaliAnocates, 039- 01724Ad/20 CNP-Diff for the GLIS PROJECT Pleas Scope. c) Please see attachment "WMP-Discovery2023-2025, DR. CaliAnocates, 039- 01724Ad/20 CNP for the GLIS Project Pleas Scope. 01724Ad/20 CNP for the GLIS Project Conference on Company (Conference on Conference On Conferenc	4/5/2024	ACI 23-05 Updating Grid Hardening Decision Making	System Hardening	N/A
Pre-Discovery 74	CaIPA	Set WMP-39	CaiPA_Set WMP-39	13 CalPA_Set WMP-39_Q13	Identify any ignitions 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 lightion c) Independent of lightion c) Independent of lightion c) Arces burned f) Number of structures burned, if any g) Number of structures burned, if any g) Number of injuries associated with ignition, if any h Asset ID of associated with gription i) Circuit ID number of injuries associated with gription i) Circuit ID number of circuit associated with ignition in the control of th	Please see attachment "WMP-Discovery/0223-2025_DR, CallAdvocates_039- Q015A4/h01_btsr* for a list of CPUC-reportable (grillore that occurred in 2022 where the closest support structure has an open corrective notification at the time of the ignition event.	4/5/2024	8	Section 8.3 - Situational Awareness and Forecasting	8.3.4.1 Existing lignition Detection Sensors and Systems

						Prease note the attackments to this response contain CURFADENT IAL mormation provided pursuant to the accompanying confidentiality declaration.				
Pre-Discovery 75	CMPA	Set WMP-39	CalPA_Set WMP-39	14 CalPA_Set WMP-39_O14	a) Has PG&E'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? I. Unique justice D. (matching the previous question) I. Unique justice D. (matching the previous question) II. Date of ignition II. Cause(s) identified by the Asset Early to Angles Team III. Cause(s) identified by the Asset Early or Angles Team III. Cause(s) identified by the Asset Early or Angles Team III. Cause(s) identified by the Asset Early or Angles Team III. Cause(s) identified by the Asset Early or Angles Team III. Cause(s) identified by the Asset Early or Analysis Team.	'all Year, POSE has connected spiritions that occurred in 2023 to assets with existing asset or vegetation corrective endications at the time of spiritum. b) Flexes use the bable below for links to the requested information. Description of the control of the	4/5/2024	8	Section 8.3 - Situational Austreness and Forecasting	8.3.4.1 Existing lightion Detection Sensors and Systems
Pre-Discovery 76	CaPA	Set WMP-39	CalPA_Set WMP-39	15 CalPA_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 reassessment procedure (TD-812P-200) and expected to publish the revised procedure by the end of 2023. by The answer to part (a) is yes, Prefix excells the substance of the changes to the procedure. c) if the answer to part (a) is yes, Perfex excells the substance of the changes to the procedure. c) if the answer to part (a) is no, piece agains the delay. e) if the answer to part (a) is no, piece spain the delay. e) if the answer to part (a) is no, piece state when PG&E currently expects to published the revised TD-812P-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-8128-2009 procedure on December 29, 2023. b) Per the response DTRUTTEP? _ CONFIDENCE CONFEDENTIAL PROCESSOR _ 2023. b) Per the response DTRUTTEP? _ CONFIDENCE CONFIDENCE _ Follow _ 2023	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 CAAPvocates-PGE-2023WMF-19 question 15, April 28, 2023, PGSE stated that if 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. July has PGSE completed the analysis instructioned above? July has PGSE completed the analysis instructioned above? July the provider of the provider of the provider of the provider of the output from the analysis. July the provider of the provi	a) No. The initial analysis has been draffed but is not yet comprise. b) Not applicable. c) PGAEE is still internally validating the results for quality review in preparation for the SS 684 10 Year Undergrounding Plan. SS 684 10 Year Undergrounding Plan. SS 684 10 Year Undergrounding plan, which is expected to be filed later this year. The timing of the filing, however, is dependent on when we receive the processor yacidatives from Energy Stiffet,	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 by part (a) is see, please provide a copy of any reports or other output from the Substation Arinal Abatement Efficiences Study? d) If the arreaser by act (a) is no, please state when PGE4 currently expects to complete the Substation Arinal Abatement Efficiencess Study.	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	CalPA	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 undergrounded 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.	a) No. The initial analysis has been draffled but is not yet complete. b) Not applicable. c) Sold is still internally validating the results for quality review in preparation for the c) Sold is still internally validating the results for pushing the property of the pr	4/5/2024	Appendix D	Appendix D – Areas for Continued Improvement	Appendix D ACI PG&E-22–16 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-2023WMP-29 question 5, September 27, 2023, PG&E stated that it expected to publish its 2023 Bectric Asset Management Plan by the end of 2023. 19 Har PGSE completed the 2023 Electric Asset Management Plan 19 the end of 2023. 19 if the answer to part (a) is sept. please provide a copy of the 2025 Electric Asset Management Plan. 19 if the answer to part (a) is per. 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 of tenditudey intin a Upublish this document in June 2024. POSEs will sprovide the completed document cone it is finalized and published. 1) The 2023 Electric Asset Management Plan has been reviewed and approved by PGEE leadership. However, the document is still gring through the technical writer formatting and posessing, along with the offer functional areas's asset management of PGEE tendition and provide the property of the position of the provided provided the provided provided the provided provided provided the provided p	4/5/2024	N/A	N/A	N/A
Pre-Discovery 80	CalPA	Set WMP-39	CalPA_Set WMP-39	19REV CalPA_Set WMP-39_Q19REV	In response to data request CAAA/vocates-PGE-2023/MMP-29 question 5, September 27, 2023, PGAE stated that it sepected by publish its 2023 Electric Asset Management Plan? It sepected by publish is 2023 Electric Asset Management Plan? It is not provided the 2023 Electric Asset Management Plan? It is the arrower to prict (a) say, signess rowled a copy of the 2023 Electric Asset Management Plan. If the arrower to part (a) is no, please state when PGAE 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 CaIPA_Set WMP-39_Q20	In response to data request CAAd-vocates-PGE-5202/MMP-29 question 6, September 27, 2023. PGEs stated for Closiving: "We will evaluate the history or response to were 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 Fire Post as extens (PRA) If High Fire Text But brick (PFIF) zeroes with wire down conditions during peak widtle season between May 1 and November 1 at 185 time. 100 May provide the post of the Post o	4/5/2024	ACI 23-19 Continued Progresion of Vegatation Management Maturity	Vegetation Management and Inspections	Fall-in Mitigation