

14	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q2	2	CAIPA_Sat WMP-08_Q2	<p>Regarding the new "Tree Removal Inventory Program" described in section 8.2.2.2.4 of PG&E's WMP, PG&E states:</p> <p>This is a new transitional program for 2023 stemming from the conclusion of the EVM program. This program is intended to work down trees previously identified. PG&E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022. Under the Tree Removal Inventory program, we remove or re-speciate trees identified in the EVM program.</p> <p>Based on this on-going re-speciation and evaluation work, we will develop annual re-speciation work plans and budgets to higher-level re-speciation or CPZs. We will place all trees in the inventory in a re-speciation pool.</p> <p>At PG&E, we mean by the term "transitional" in the first sentence.</p> <p>Does PG&E intend to identify new trees to be added to the inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&E's methodology and strategy for doing so will differ from the methodology used for the EVM program.</p> <p>If the answer to part (b) is no, please explain how PG&E intends to achieve comparable risk reduction outcomes that are not being provided by the EVM program.</p> <p>What is the nature of the "re-speciation" or "re-speciation and evaluation work"?</p> <p>Does PG&E intend to identify new trees to be added to the inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&E intends to address comparable risk reduction in specific areas going forward.</p> <p>If the answer to part (b) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>If we're stated that PG&E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022, please explain why this number is an estimate rather than a precise number.</p>	0	NA	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
15	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q3	3	CAIPA_Sat WMP-08_Q3	<p>Regarding the new "VM for Operational Mitigation" described in section 8.2.2.2.3 of PG&E's WMP, PG&E states:</p> <p>This is a new transitional program for 2023 stemming from the conclusion of the EVM program. This program is intended to help reduce outage and potential impacts with a risk-informed, targeted plan to mitigate potential vegetation contacts based on historic vegetation outage data and EPSS-enabled circuitry. PG&E will initially focus on mitigating potential vegetation contacts in CPZs that have experienced vegetation-caused outages. Scope of work will be developed by using EPSS and historical outage data and vegetation failure from the WORM to risk model EPSS-enabled device vegetation outage events of condition inspections to generate additional work.</p> <p>At PG&E, we mean by the term "transitional" in the first sentence.</p> <p>When will PG&E conduct the first on-site work for this program?</p> <p>How frequently will PG&E update the scope of work for this program (e.g., annually or quarterly)?</p> <p>Does PG&E intend to identify new trees to be added to the inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&E intends to address comparable risk reduction in specific areas going forward.</p> <p>If the answer to part (b) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>If we're stated that PG&E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022, please explain why this number is an estimate rather than a precise number.</p>	0	NA	8.2.2.2.3	Vegetation Management and Inspections	VM for Operational Mitigation
16	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q4	4	CAIPA_Sat WMP-08_Q4	<p>Regarding the new "Focused Tree Inspections" described in section 8.2.2.2.3 of PG&E's WMP, PG&E states:</p> <p>This is a new transitional program for 2023 stemming from the conclusion of the EVM program. PG&E is developing AOCs to better focus VM efforts to address high risk areas that have experienced higher volumes of vegetation damage during PSPS events, outages, and/or ignitions. We have conducted a county-by-county review with regional DSEAs and used this information to develop programs where focused vegetation inspections can be evaluated to determine appropriate courses to prioritize projects. Focused Tree Inspection plans will be piloted in one area. The pilot will develop and implement guidelines that inform program.</p> <p>At PG&E, we mean by the term "transitional" in the first sentence.</p> <p>Does PG&E intend to identify new trees to be added to the inventory?</p> <p>Does PG&E intend to identify new trees to be added to the inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&E intends to address comparable risk reduction in specific areas going forward.</p> <p>If the answer to part (b) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>If we're stated that PG&E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022, please explain why this number is an estimate rather than a precise number.</p>	0	NA	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
17	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q5	5	CAIPA_Sat WMP-08_Q5	<p>PG&E states on p. 539 of its WMP:</p> <p>PG&E is conducting our VM Program starting in 2023. Based on current data and analysis, the risk reduction of the EVM Program is less than the risk reduction from the EVM program that was introduced in 2021.</p> <p>Does PG&E intend to identify new trees to be added to the inventory?</p> <p>Does PG&E intend to identify new trees to be added to the inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&E intends to address comparable risk reduction in specific areas going forward.</p> <p>If the answer to part (b) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>If we're stated that PG&E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022, please explain why this number is an estimate rather than a precise number.</p>	0	NA	8.2.3.4	Vegetation Management and Inspections	Fall in Mitigation
18	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q6	6	CAIPA_Sat WMP-08_Q6	<p>PG&E states on p. 539 of its WMP:</p> <p>PG&E is conducting our VM Program starting in 2023. Based on current data and analysis, the risk reduction of the EVM Program is less than the risk reduction from the EVM program that was introduced in 2021.</p> <p>Does PG&E intend to identify new trees to be added to the inventory?</p> <p>Does PG&E intend to identify new trees to be added to the inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&E intends to address comparable risk reduction in specific areas going forward.</p> <p>If the answer to part (b) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>If we're stated that PG&E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022, please explain why this number is an estimate rather than a precise number.</p>	0	NA	8.2.3.4	Vegetation Management and Inspections	Fall in Mitigation
19	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q7	7	CAIPA_Sat WMP-08_Q7	<p>On pp. 314-316 of PG&E's WMP, PG&E divides its operational mitigations into four different groups. Group 2 includes "Inspection and maintenance programs where we exceed compliance requirements and permanent mitigations are deployed and/or we implement new technologies so that we no longer need to exceed compliance requirements." For the following Group 2 mitigations, please state whether PG&E will determine that it is no longer needed to exceed compliance requirements, and state the basis for such a determination:</p> <p>(a) Equipment Maintenance and Repair (b) Fire Clearing Program (c) Utility Defensible Space Program (d) Flood Management (e) Substation Defensible Space (f) Focused Tree Inspections (g) Emergency Integrated VM (h) Emergency Response VM</p>	0	NA	7.2.3	Wildfire Mitigation Strategy Development	Hearm Mitigation Initiatives
20	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q8	8	CAIPA_Sat WMP-08_Q8	<p>On pp. 314-316 of PG&E's WMP, PG&E divides its operational mitigations into four different groups. Group 2 includes "Inspection and maintenance programs where we exceed compliance requirements and permanent mitigations are deployed and/or we implement new technologies so that we no longer need to exceed compliance requirements." For each of the following Group 2 mitigations, please state whether PG&E needs to document the program/initiative once permanent mitigations are deployed or new technologies are implemented:</p> <p>(a) Equipment Maintenance and Repair (b) Fire Clearing Program (c) Utility Defensible Space Program (d) Flood Management (e) Substation Defensible Space (f) Focused Tree Inspections (g) Emergency Integrated VM (h) Emergency Response VM</p>	0	NA	7.2.3	Wildfire Mitigation Strategy Development	Hearm Mitigation Initiatives
21	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q9	9	CAIPA_Sat WMP-08_Q9	<p>Regarding the new "Tree Removal Inventory Program" described in section 8.2.2.2.4 of PG&E's WMP, PG&E states:</p> <p>This is a new transitional program for 2023 stemming from the conclusion of the EVM program. This program is intended to work down trees previously identified. PG&E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022.</p> <p>Based on this on-going re-speciation and evaluation work, we will develop annual re-speciation work plans and budgets to higher-level re-speciation or CPZs. We will place all trees in the inventory in a re-speciation pool.</p> <p>At PG&E, we mean by the term "transitional" in the first sentence.</p> <p>Does PG&E intend to identify new trees to be added to the inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&E intends to address comparable risk reduction in specific areas going forward.</p> <p>If the answer to part (b) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>If we're stated that PG&E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022, please explain why this number is an estimate rather than a precise number.</p>	0	NA	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
22	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q10	10	CAIPA_Sat WMP-08_Q10	<p>Regarding the new "VM for Operational Mitigation" described in section 8.2.2.2.3 of PG&E's WMP, PG&E states:</p> <p>This is a new transitional program for 2023 stemming from the conclusion of the EVM program. This program is intended to help reduce outage and potential impacts with a risk-informed, targeted plan to mitigate potential vegetation contacts based on historic vegetation outage data and EPSS-enabled circuitry. PG&E will initially focus on mitigating potential vegetation contacts in CPZs that have experienced vegetation-caused outages. Scope of work will be developed by using EPSS and historical outage data and vegetation failure from the WORM to risk model EPSS-enabled device vegetation outage events of condition inspections to generate additional work.</p> <p>At PG&E, we mean by the term "transitional" in the first sentence.</p> <p>When will PG&E conduct the first on-site work for this program?</p> <p>How frequently will PG&E update the scope of work for this program (e.g., annually or quarterly)?</p> <p>Does PG&E intend to identify new trees to be added to the inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&E intends to address comparable risk reduction in specific areas going forward.</p> <p>If the answer to part (b) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>If we're stated that PG&E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022, please explain why this number is an estimate rather than a precise number.</p>	0	NA	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections

51	CaPA	Sat WMP-10	CaPA_Sat WMP-10	4	CaPA_Sat WMP-10_Q4	<p>P. 338 of POGE's WMP plans, with regard to DTS-FAS7</p> <p>A project, field test installation was completed on a 15-foot tower in Matanzas and a wood pole in Santa Cruz in 2022. This testing is intended to evaluate the reliability of the remote test installation. The results of this testing will be used to determine if the remote test installation is a viable alternative to the traditional test installation. The results of this testing will be used to determine if the remote test installation is a viable alternative to the traditional test installation.</p> <p>Please provide data on the results of the field test installation in Matanzas.</p> <p>1) What were the results of the field test installation in Matanzas?</p> <p>2) How many tests were conducted in Matanzas?</p> <p>3) How many tests were conducted in Santa Cruz?</p> <p>4) How many tests were conducted in total?</p> <p>5) What was the success rate of the field test installation in Matanzas?</p> <p>6) What was the success rate of the field test installation in Santa Cruz?</p> <p>7) What was the success rate of the field test installation in total?</p> <p>8) What were the reasons for any test failures?</p> <p>9) What were the reasons for any test successes?</p> <p>10) What were the reasons for any test failures in Santa Cruz?</p> <p>11) What were the reasons for any test successes in Santa Cruz?</p> <p>12) What were the reasons for any test failures in total?</p> <p>13) What were the reasons for any test successes in total?</p>	<p>DTSP-FAS7 is an integrated system of sensors and technologies that are established and available on the market, working together to mitigate wildfire risk. Testing focused on validating sensor functionality in wildfire and utility use scenarios, encompassing functional testing, environmental testing, and long-term resilience testing. Learnings were immediately applied to optimize sensor configuration.</p> <p>Key findings from the Matanzas installation and testing include:</p> <p>1) Sensors - we installed over 25 devices and tested their intended functionality for accuracy and reliability. These are the types of tests performed.</p> <p>2) Reliability - testing verified the consistency and reliability of sensor measurements by repeating measurements multiple times and checking the results for consistency. This test criterion ensures that the sensing device provides consistent and repeatable measurements.</p> <p>3) Environmental testing - testing verified the sensors' ability to detect and report on environmental conditions that may affect its operation such as temperature, humidity, and wind speed. This is important to ensure the sensors are able to operate in a wide range of environmental conditions.</p> <p>4) Data - testing verified the sensors' ability to report on environmental conditions that may affect its operation such as temperature, humidity, and wind speed. This is important to ensure the sensors are able to operate in a wide range of environmental conditions.</p> <p>5) Battery - testing verified the sensors' ability to report on environmental conditions that may affect its operation such as temperature, humidity, and wind speed. This is important to ensure the sensors are able to operate in a wide range of environmental conditions.</p> <p>6) Data - testing verified the sensors' ability to report on environmental conditions that may affect its operation such as temperature, humidity, and wind speed. This is important to ensure the sensors are able to operate in a wide range of environmental conditions.</p> <p>7) Battery - testing verified the sensors' ability to report on environmental conditions that may affect its operation such as temperature, humidity, and wind speed. This is important to ensure the sensors are able to operate in a wide range of environmental conditions.</p> <p>8) Data - testing verified the sensors' ability to report on environmental conditions that may affect its operation such as temperature, humidity, and wind speed. This is important to ensure the sensors are able to operate in a wide range of environmental conditions.</p> <p>9) Battery - testing verified the sensors' ability to report on environmental conditions that may affect its operation such as temperature, humidity, and wind speed. This is important to ensure the sensors are able to operate in a wide range of environmental conditions.</p> <p>10) Data - testing verified the sensors' ability to report on environmental conditions that may affect its operation such as temperature, humidity, and wind speed. This is important to ensure the sensors are able to operate in a wide range of environmental conditions.</p> <p>11) Battery - testing verified the sensors' ability to report on environmental conditions that may affect its operation such as temperature, humidity, and wind speed. This is important to ensure the sensors are able to operate in a wide range of environmental conditions.</p> <p>12) Data - testing verified the sensors' ability to report on environmental conditions that may affect its operation such as temperature, humidity, and wind speed. This is important to ensure the sensors are able to operate in a wide range of environmental conditions.</p> <p>13) Battery - testing verified the sensors' ability to report on environmental conditions that may affect its operation such as temperature, humidity, and wind speed. This is important to ensure the sensors are able to operate in a wide range of environmental conditions.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.2.6.2	Grid Design and System Hardening	Emerging Grid Hardening Technology Initiatives and Pilots
52	CaPA	Sat WMP-10	CaPA_Sat WMP-10	5	CaPA_Sat WMP-10_Q5	<p>P. 337 of POGE's WMP plans. 1) Applied. DTS-FAS7 could have a significant impact on wildfire risk where deployed.</p> <p>2) Please specify the phases a) significant impact on wildfire risk in the above table.</p> <p>3) Please provide any workplans or studies to support your answer to part 1b.</p>	<p>1) The key to the success of the DTS-FAS7 installation is the quality of the data collected. The data collected from the sensors is used to identify areas of high wildfire risk and to develop targeted mitigation strategies.</p> <p>2) The data collected from the sensors is used to identify areas of high wildfire risk and to develop targeted mitigation strategies.</p> <p>3) The data collected from the sensors is used to identify areas of high wildfire risk and to develop targeted mitigation strategies.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.2.6.1	Grid Design and System Hardening	Emerging Grid Hardening Technology Initiatives and Pilots
53	CaPA	Sat WMP-10	CaPA_Sat WMP-10	6	CaPA_Sat WMP-10_Q6	<p>P. 464 of POGE's WMP plans. 1) We reduced the Customer Average Interruption Duration Index (CAIDI) and Customer Empowering a Standard Outage (CESO) for customers served by EPSS-eligible lines in 2022.</p> <p>2) Please provide the CAIDI value for all HTD customers for each year from 2019-2022.</p> <p>3) Please provide the CESO value for all HTD customers for each year from 2019-2022.</p>	<p>"Please see WMP-Changes2023_DR_CalDocu006_010-G0046401.xlsx"</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	1	NA	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
54	CaPA	Sat WMP-10	CaPA_Sat WMP-10	7	CaPA_Sat WMP-10_Q7	<p>P. 464 of POGE's WMP plans. 1) By the end of 2022, we responded to 89 percent of outages on EPSS-enabled lines within 60 minutes, responding on average within 42 minutes.</p> <p>2) Please provide the CAIDI value for all HTD customers for each year from 2019-2022.</p> <p>3) Please provide the CESO value for all HTD customers for each year from 2019-2022.</p>	<p>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 21, 2022 - December 31, 2022.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
55	CaPA	Sat WMP-10	CaPA_Sat WMP-10	8	CaPA_Sat WMP-10_Q8	<p>P. 464 of POGE's WMP plans. 1) By the end of 2022, we responded to 89 percent of outages on EPSS-enabled lines within 60 minutes, responding on average within 42 minutes.</p> <p>2) Please provide the CAIDI value for all HTD customers for each year from 2019-2022.</p> <p>3) Please provide the CESO value for all HTD customers for each year from 2019-2022.</p>	<p>2022 EPSS OUTAGE RESPONSE TIME</p> <p>25TH PERCENTILE RESPONSE TIME</p> <p>50TH PERCENTILE RESPONSE TIME</p> <p>75TH PERCENTILE RESPONSE TIME</p> <p>CONGEST RESPONSE TIME</p> <p>42 Minutes</p> <p>27 Minutes</p> <p>39 Minutes</p> <p>52 Minutes</p> <p>60 Minutes</p> <p>Table values reflect available data since EPSS Outage Response Time tracking began. The timeframe for tracking is 2022 May 21 - 2022 December 31 - 2022.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
56	CaPA	Sat WMP-10	CaPA_Sat WMP-10	9	CaPA_Sat WMP-10_Q9	<p>P. 464 of POGE's WMP plans. 1) By the end of 2022, we responded to 89 percent of outages on EPSS-enabled lines within 60 minutes, responding on average within 42 minutes.</p> <p>2) Please provide the CAIDI value for all HTD customers for each year from 2019-2022.</p> <p>3) Please provide the CESO value for all HTD customers for each year from 2019-2022.</p>	<p>AVERAGE RESPONSE TIME FOR RESPONSES > 60 MINUTES</p> <p>CONGEST RESPONSE TIME</p> <p>55 Minutes</p> <p>62 Minutes</p> <p>Table values reflect available data since EPSS Outage Response Time tracking began. The timeframe for tracking is 2022 May 21 - 2022 December 31 - 2022.</p> <p>1) The function that has been historically referred to as "quality verification" is in fact a component of the QA program for systems inspection and will be referred to as "QA" rather than "QV" moving forward. We have made significant progress on this work and the program has been implemented.</p> <p>2) QA is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p> <p>3) QA is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p> <p>4) QA is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p> <p>5) QA is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
57	CaPA	Sat WMP-10	CaPA_Sat WMP-10	10	CaPA_Sat WMP-10_Q10	<p>P. 441 of POGE's WMP plans. 1) We are implementing a QA (quality assurance) program for systems inspection.</p> <p>2) Please describe the main features of the QA program that POGE plans to implement.</p> <p>3) What are the probable limitations of the QA program that POGE plans to implement?</p>	<p>1) The QA program is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p> <p>2) QA is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p> <p>3) QA is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.8.1	Quality Assurance and Quality Control	Quality Assurance
58	CaPA	Sat WMP-10	CaPA_Sat WMP-10	11	CaPA_Sat WMP-10_Q11	<p>P. 441 of POGE's WMP plans. 1) We are implementing a QA (quality assurance) program for systems inspection.</p> <p>2) Please describe the main features of the QA program that POGE plans to implement.</p> <p>3) What are the probable limitations of the QA program that POGE plans to implement?</p>	<p>1) The QA program is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p> <p>2) QA is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p> <p>3) QA is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.6.1	Quality Assurance and Quality Control	Quality Assurance
59	CaPA	Sat WMP-10	CaPA_Sat WMP-10	12	CaPA_Sat WMP-10_Q12	<p>P. 450 of POGE's WMP plans. 1) Along with reducing wildfire risk related to backing ignition risk tags in HFDTWRA, the BC (backcountry) distribution after January 1st, 2023 HFDTWRA ignition risk tags will be implemented in compliance with GO 95.18. 18 minutes.</p> <p>2) Please describe the main features of the QA program that POGE plans to implement.</p> <p>3) What are the probable limitations of the QA program that POGE plans to implement?</p>	<p>1) The QA program is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p> <p>2) QA is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p> <p>3) QA is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags
60	CaPA	Sat WMP-10	CaPA_Sat WMP-10	13	CaPA_Sat WMP-10_Q13	<p>Table POGE-8.1.7.1 p. 451 of POGE's WMP plans. 1) Field Safety Reassessment (FSR) performed annually on all open work orders.</p> <p>2) Please describe the main features of the QA program that POGE plans to implement.</p> <p>3) What are the probable limitations of the QA program that POGE plans to implement?</p>	<p>1) The QA program is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p> <p>2) QA is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p> <p>3) QA is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags

116	CaPA	Set WMP-13	CaPA_Sat WMP-13	3	CaPA_Sat WMP-13.03	<p>Table 7.3-1 on p. 251 of PG&E's WMP states the following objective with an estimated completion date of 12/31/2023:</p> <p>Develop a process of certifying constraints resolution. As part of the build-out of the centralized control tower three major categories will be addressed: customer constraints, environmental constraints (including mineral PG&E procedures required to permit work) and permitting constraints (including both Land and Environmental permits).</p> <p>a) When does PG&E expect to begin implementing its process for certifying constraints resolution?</p> <p>b) When does PG&E expect to begin implementing its process for certifying environmental constraints?</p> <p>c) When does PG&E expect to begin implementing its process for certifying permitting constraints?</p> <p>d) How does PG&E expect to begin implementing its process for certifying constraints resolution?</p> <p>e) How does PG&E expect to begin implementing its process for certifying environmental constraints?</p> <p>f) How does PG&E expect to begin implementing its process for certifying permitting constraints?</p> <p>g) How does PG&E expect to begin implementing its process for certifying constraints resolution?</p> <p>h) How does PG&E expect to begin implementing its process for certifying environmental constraints?</p> <p>i) How does PG&E expect to begin implementing its process for certifying permitting constraints?</p>	Holly Wetman	4/8/2023	4/1/2023	4/1/2023	https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy	0	NA	8.2.6	Vegetation Management and Inspections	Open Work Orders
117	CaPA	Set WMP-13	CaPA_Sat WMP-13	4	CaPA_Sat WMP-13.04	<p>Table 7.3-2 on p. 252 of PG&E's WMP states the following objective with an estimated completion date of 12/31/2023:</p> <p>For each major constraint category build a process for addressing each constraint type, implement the new process, and create metrics to track each constraint type.</p> <p>a) When does PG&E expect to begin implementing its process for certifying customer constraints?</p> <p>b) When does PG&E expect to begin implementing its process for certifying environmental constraints?</p> <p>c) When does PG&E expect to begin implementing its process for certifying permitting constraints?</p> <p>d) How does PG&E expect to begin implementing its process for certifying constraints resolution?</p> <p>e) How does PG&E expect to begin implementing its process for certifying environmental constraints?</p> <p>f) How does PG&E expect to begin implementing its process for certifying permitting constraints?</p> <p>g) How does PG&E expect to begin implementing its process for certifying constraints resolution?</p> <p>h) How does PG&E expect to begin implementing its process for certifying environmental constraints?</p> <p>i) How does PG&E expect to begin implementing its process for certifying permitting constraints?</p>	Holly Wetman	4/8/2023	4/1/2023	4/1/2023	https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy	0	NA	8.2.6	Vegetation Management and Inspections	Open Work Orders
118	CaPA	Set WMP-13	CaPA_Sat WMP-13	5	CaPA_Sat WMP-13.05	<p>Table 7.4 on p. 307-313 of PG&E's WMP lists the top risk circuit segments (i.e., related segments when sorted by total wildfire risk).</p> <p>At PG&E we performed a sensitivity study to validate the effect of these values on the output of PG&E's WFC model. The results are shown in the table below.</p> <p>a) Please supplement Table 7.4 with the following additional columns: 1. Forecast SAIDI in 2023 if EPSS were not utilized; 2. Forecast SAIDI in 2023 if EPSS were not utilized.</p>	Holly Wetman	4/8/2023	4/8/2023	4/8/2023	https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy	1	NA	7.2.3	Wildfire Mitigation Strategy Development	Projected Risk Reduction on High-Risk Risk Circuits Over the 3-Year WMP Cycle
119	CaPA	Set WMP-13	CaPA_Sat WMP-13	6	CaPA_Sat WMP-13.06	<p>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.</p> <p>At PG&E we performed a sensitivity study to validate the effect of these values on the output of PG&E's WFC model. The results are shown in the table below.</p> <p>a) Please supplement Table 6.2.2.1 with the following additional columns: 1. Forecast SAIDI in 2023 if EPSS were not utilized; 2. Forecast SAIDI in 2023 if EPSS were not utilized.</p>	Holly Wetman	4/8/2023	4/1/2023	4/1/2023	https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy	0	NA	6.2.2	Risk Methodology and Assessment	Consequence
120	CaPA	Set WMP-13	CaPA_Sat WMP-13	7	CaPA_Sat WMP-13.07	<p>In section 7.2.1 on p. 276-278 of PG&E's WMP, PG&E states: "We determined that EPSS is more effective at reducing wildfire risk at a lower cost as shown by comparing the RSE for the two programs at the time we filed the 2022 GRC. The RSE for EIM was 14.2 compared to the RSE for EPSS of 10.2."</p> <p>At PG&E we performed a sensitivity study to validate the effect of these values on the output of PG&E's WFC model. The results are shown in the table below.</p> <p>a) Please supplement Table 7.2.1 with the following additional columns: 1. Forecast SAIDI in 2023 if EPSS were not utilized; 2. Forecast SAIDI in 2023 if EPSS were not utilized.</p>	Holly Wetman	4/8/2023	4/1/2023	4/1/2023	https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy	0	NA	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
121	CaPA	Set WMP-13	CaPA_Sat WMP-13	8	CaPA_Sat WMP-13.08	<p>For each of the following programs, what metrics does PG&E track to validate their impact and effectiveness at mitigating the impacts of EPSS at sites?</p> <p>a) Temporary Distribution Microgrids b) Community Microgrid Enablement Program c) Microgrid Incentive Program</p>	Holly Wetman	4/8/2023	4/1/2023	4/1/2023	https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy	0	NA	8.1.2.7	Grid Design and System Hardening	Microgrids
122	CaPA	Set WMP-13	CaPA_Sat WMP-13	9	CaPA_Sat WMP-13.09	<p>Do the following programs have any impact on customer reliability (e.g., frequency or duration of outages) in general? Please explain your response for each program.</p> <p>a) Temporary Distribution Microgrids b) Community Microgrid Enablement Program c) Microgrid Incentive Program</p>	Holly Wetman	4/8/2023	4/1/2023	4/1/2023	https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy	0	NA	8.1.2.7	Grid Design and System Hardening	Microgrids
123	CaPA	Set WMP-13	CaPA_Sat WMP-13	10	CaPA_Sat WMP-13.10	<p>Figure 7.1 on p. 268 shows a sharp decline in risk after 2026.</p> <p>a) How does PG&E expect to begin implementing its process for certifying constraints resolution?</p> <p>b) How does PG&E expect to begin implementing its process for certifying environmental constraints?</p> <p>c) How does PG&E expect to begin implementing its process for certifying permitting constraints?</p>	Holly Wetman	4/8/2023	4/1/2023	4/1/2023	https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy	0	NA	7.2.1	Wildfire Mitigation Strategy Development	Projected Overall Risk Reduction
124	CaPA	Set WMP-14	CaPA_Sat WMP-14	1	CaPA_Sat WMP-14.01	<p>P. 347 of PG&E's WMP4 states (regarding PG&E's undergrounding program), "Among other benefits, the reduced peak load compared to prior projections will decrease costs in the initial years of the program."</p> <p>Please list the "other benefits" referenced in the quote above.</p>	Holly Wetman	4/1/2023	4/1/2023	4/1/2023	https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and Equipment - Distribution
125	CaPA	Set WMP-14	CaPA_Sat WMP-14	2	CaPA_Sat WMP-14.02	<p>P. 347 of PG&E's WMP4 states (regarding PG&E's undergrounding program), "Among other benefits, the reduced peak load compared to prior projections will decrease costs in the initial years of the program."</p> <p>Please list the "other benefits" referenced in the quote above.</p>	Holly Wetman	4/1/2023	4/1/2023	4/1/2023	https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy	0	NA	8.1.2.6	Grid Design and System Hardening	Distribution, Transmission, and Substation Fire Action Reliability and Technology
126	CaPA	Set WMP-14	CaPA_Sat WMP-14	3	CaPA_Sat WMP-14.03	<p>P. 350 of PG&E's WMP4 discusses Breakaway Connectors and states, "The breakaway disconnect acts as a weak link in a production point of separation and the device will melt the ground-deenergized."</p> <p>a) What is the maximum weight that a Breakaway Connector can handle without separating?</p> <p>b) What are the production point of separation and the device will melt the ground-deenergized?</p> <p>c) How does PG&E expect to begin implementing its process for certifying constraints resolution?</p> <p>d) How does PG&E expect to begin implementing its process for certifying environmental constraints?</p> <p>e) How does PG&E expect to begin implementing its process for certifying permitting constraints?</p>	Holly Wetman	4/1/2023	4/1/2023	4/1/2023	https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy	0	NA	8.1.2.6	Grid Design and System Hardening	Breakaway Connector
127	CaPA	Set WMP-14	CaPA_Sat WMP-14	4	CaPA_Sat WMP-14.04	<p>P. 350 of PG&E's WMP4 states, "Breakaway disconnect does not impact PSIS Risk." Please state the basis for the above quote.</p>	Holly Wetman	4/1/2023	4/1/2023	4/1/2023	https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy https://www.pge.com/legal/privacy-policy	0	NA	8.1.2.6	Grid Design and System Hardening	Breakaway Connector

Table with 11 columns: ID, Location, Date, Title, Description, Status, and other project details. It contains 18 rows of data, including rows for TURN_005_C1, TURN_005_C2, TURN_005_C3, TURN_005_C4, TURN_005_C5, TURN_005_C6, TURN_005_C7, TURN_005_C8, CAIPA_Sat WMP-16, CAIPA_Sat WMP-16, CAIPA_Sat WMP-16, and CAIPA_Sat WMP-16. Each row provides specific details about project milestones, objectives, and outcomes.

199	CAfPA	Set WMP-16	CAfPA_Set WMP-16	4	CAfPA_Set WMP-16_O4	<p>Please explain PG&E's selection criteria for when to install the following equipment on underground circuits as SCADA I/O switches:</p> <ol style="list-style-type: none"> 1) Load break airblows 	<p>SCADA underground switches are typically only installed at mainline substations. The 3-way SCADA switch can have air flow positions installed with SCADA via its control connections on the top of the switch. Additionally, communications signal to enable SCADA is not always available at the location where we would otherwise like to install a SCADA-enabled switch. Where SCADA-enabled switches are preferred at these locations (mainline substations where communication are available), it is at the discretion of the Electric Distribution Planning Engineer to specify the appropriate device as part of the project design.</p> <ol style="list-style-type: none"> 1) PG&E installs junction boxes on both mainline (800 Amp, AKA 400A) and sub-feed (200A) systems. 1) A mainline junction is the connection of multiple 600A separable connector feed together in a substation enclosure and mounted on a wall of the enclosure. This connection could also include a 200A elbow mounted on top to feed a nearby sub-feed. PG&E typically designs the underground system such that there is a separating device at every other enclosure, allowing the use of a single junction in-between. (Technically speaking, this design approach is due to the 600A single junction limits of the equipment.) 1) Having a dead-end device requiring a clearance to open. 1) A junction enclosure is typically installed as a bar mounted on the wall of a substation enclosure. These can be in a single or a two-way connection. These enclosures are typically designed to sub-back on 200A mainline systems and are not suitable for 200A loads, but they can be used to connect a single transformer on a top junction if it does not contact the top and out of a transformer. In some cases, the 200A junction can also be pad-mounted (installed inside a pad-mounted enclosure). 1) The use of 20A Load-Break (LB) allows is required when terminating 200A cables (ending the cable run, generally into a piece of equipment like a transformer) on all substation installations installed after July 2016. The use of 200A LB allows has been required for terminating 200A cables on most new pad-mounted installations since the early 1990s. Please note that when performing work on existing underground switchgear that requires the replacement of an existing 200A Dead Break (DB) allows, it may not be feasible to convert 200A DB to LB allows. The normal height of the 200-line LB allows is 12" after the enclosure DB allows and the enclosure covers would be able to be securely closed when cables are placed on an installed or provided standoff in the enclosure. In the cases where a LB allow cannot fit into the existing enclosure, LB allows are required to be used. 	Holly Wetman	4/18/2023	4/21/2023	4/21/2023	https://www.acesteel.com/blog/2023/04/20/underground-switchgear-upgrades/ https://www.acesteel.com/blog/2023/04/20/underground-switchgear-upgrades-2/	0	NA	8.1.2	Grid Design and System Hardening	Other Grid Topology Improvements to Increase Rate of System
200	CAfPA	Set WMP-16	CAfPA_Set WMP-16	5	CAfPA_Set WMP-16_O5	<p>Please explain PG&E's selection criteria for when to install the following equipment on underground circuits:</p> <ol style="list-style-type: none"> 1) Pad-mounted transformers 2) Subsurface transformers 	<p>PG&E is standard to install pad-mounted transformers on underground circuits where transformers are needed. Due the expense to install a pad-mounted transformer, they are not used in favor of a subsurface transformer. For residential customers, we prefer to install pad-mounted transformers in the street (franchise, easement, or right-of-way areas for multiple customers) or on the customer's property for a single service. For non-residential customers, the preference is to install pad-mounted transformers outside / adjacent to the building on a concrete pad.</p> <ol style="list-style-type: none"> 1) Subsurface transformers are typically not installed unless it is required to support asset acquisition, there is no space available for a pad-mounted transformer to be installed, or it is otherwise specified due to project-specific concerns. Reasons that subsurface transformers are not preferred include that a subsurface transformer located in an enclosure where the air circulation is restricted and the ambient temperature is high, such as in the Central Valley or some of the MTDC areas that see high summer temperatures, may exceed its capabilities at temperatures leading to excessive temperature. Space is also limited in subsurface enclosures, so load requirements that influence the size of the transformer may limit the option of installing a subsurface transformer. 1) Where space is needed, the preferred location for a subsurface transformer (from most preferred to least preferred) is generally: <ul style="list-style-type: none"> 1. On the ground, properly founded, inside a sidewalk. 1. In a planted area between the curb and the sidewalk. 1. In the paved portion of a parking lot. 1. In the parking / shoulder area of a street. 1. In the sidewalk / shoulder of an alleyway. 	Holly Wetman	4/18/2023	4/21/2023	4/21/2023	https://www.acesteel.com/blog/2023/04/20/underground-switchgear-upgrades/ https://www.acesteel.com/blog/2023/04/20/underground-switchgear-upgrades-2/	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
201	CAfPA	Set WMP-16	CAfPA_Set WMP-16	6	CAfPA_Set WMP-16_O6	<p>For each of the undergrounding projects PG&E has planned for 2023, please answer the following questions on each project:</p> <ol style="list-style-type: none"> 1) How many SCADA underground switches will be installed? 1) How many overhead switches will be removed? 1) How many tie switches to adjacent circuits currently exist? 1) How many OH tie switches to adjacent circuits will be removed? 1) How many tie switches (OH or LG) will exist when the project is complete? 1) How many SCADA overhead switches will be removed? 1) How many SCADA underground switches will be installed as tie points to adjacent circuits? 1) How many pad-mounted transformers will be installed? 1) How many vaults will be installed? 1) How many junction boxes will be installed for sectionalizing? 1) How many junction boxes will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 	<p>PG&E objects to this request as overhead and underground. We do not maintain the requested information in a manner that allows it to be aggregated without a manual review of each project's engineering and construction documentation. Manually collecting the data across hundreds of projects would require significant time and resources and the development of multiple processes to ensure data accuracy. If you would like to discuss this request further, please feel free to reach out to us.</p>	Holly Wetman	4/18/2023	4/21/2023	4/21/2023	https://www.acesteel.com/blog/2023/04/20/underground-switchgear-upgrades/ https://www.acesteel.com/blog/2023/04/20/underground-switchgear-upgrades-2/	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
201	CAfPA	Set WMP-16	CAfPA_Set WMP-16	6(i)	CAfPA_Set WMP-16_O6(i)	<p>For each of the undergrounding projects PG&E has planned for 2023, please answer the following questions on each project:</p> <ol style="list-style-type: none"> 1) How many SCADA underground switches will be installed? 1) How many overhead switches will be removed? 1) How many tie switches to adjacent circuits currently exist? 1) How many OH tie switches to adjacent circuits will be removed? 1) How many tie switches (OH or LG) will exist when the project is complete? 1) How many SCADA overhead switches will be removed? 1) How many SCADA underground switches will be installed as tie points to adjacent circuits? 1) How many pad-mounted transformers will be installed? 1) How many vaults will be installed? 1) How many junction boxes will be installed for sectionalizing? 1) How many junction boxes will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 	<p>PG&E objects to this request as overhead and underground. We do not maintain the requested information in a manner that allows it to be aggregated without a manual review of each project's engineering and construction documentation. Manually collecting the data across hundreds of projects would require significant time and resources and the development of multiple processes to ensure data accuracy. If you would like to discuss this request further, please feel free to reach out to us.</p> <p>Response:</p> <p>In response to a request to provide the results of a manual review of a few projects, PG&E completed this review in a matter of four projects at Clark Road / 102d LRT / 120th Phase 1, 1, 1, & 1. PG&E is providing the total quantities for the four projects that are completed on the same circuit. The following tables are the associated projects that can be found on our undergrounding website: 20230001, 20230002, 20230003, 20230004. Below we also provide the assumptions used to collect this information.</p> <ul style="list-style-type: none"> 1) PG&E assumes "SCADA underground switches installed" includes both pad-mounted and sub-surface SCADA devices. Because these devices often have multiple positions enabled (e.g. three-way switch), PG&E also collected the number of SCADA underground devices - 1 1) SCADA underground devices - 1 1) PG&E assumes "Overhead switches removed" to include both mainline and tie-line switches. Production devices that can be operated as switches, openers switches and other devices are included as part of recloser packages. 1) Overhead Switches Removed - 1 1) PG&E assumes "no switches to adjacent circuits" are only included if part of the project reviewed and excludes ties to both: <ul style="list-style-type: none"> 1) "The switches to Adjacent Circuits - 0" 1) PG&E assumes "no switches to adjacent circuits removed" are only included if part of the project reviewed and excludes ties to both: <ul style="list-style-type: none"> 1) "The switches to Adjacent Circuits - 0" 1) PG&E assumes "no switches (OH and LG) to adjacent circuits installed" are only included if part of the project reviewed and excludes ties to both: <ul style="list-style-type: none"> 1) "The switches (OH and LG) to Adjacent Circuits - 0" 1) PG&E assumes "SCADA OH switches removed" to include both mainline, tie-line switches, and production devices with SCADA that can be operated as switches. 	Holly Wetman	4/18/2023	5/2/2023	5/1/2023	https://www.acesteel.com/blog/2023/04/20/underground-switchgear-upgrades/ https://www.acesteel.com/blog/2023/04/20/underground-switchgear-upgrades-2/	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
202	CAfPA	Set WMP-16	CAfPA_Set WMP-16	7	CAfPA_Set WMP-16_O7	<p>For each of the undergrounding projects PG&E has planned for 2024, please answer the following questions on each project:</p> <ol style="list-style-type: none"> 1) How many SCADA underground switches will be installed in each circuit. 1) How many overhead switches will be removed? 1) How many tie switches to adjacent circuits currently exist? 1) How many OH tie switches to adjacent circuits will be removed? 1) How many tie switches (OH or LG) will exist when the project is complete? 1) How many SCADA overhead switches will be removed? 1) How many SCADA underground switches will be installed as tie points to adjacent circuits? 1) How many pad-mounted transformers will be installed? 1) How many vaults will be installed? 1) How many junction boxes will be installed for sectionalizing? 1) How many junction boxes will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 1) How many load break airblows will be installed as tie points to adjacent circuits? 	<p>PG&E objects to this request as overhead and underground. We do not maintain the requested information in a manner that allows it to be aggregated without a manual review of each project's engineering and construction documentation. Manually collecting the data across hundreds of projects would require significant time and resources and the development of multiple processes to ensure data accuracy. If you would like to discuss this request further, please feel free to reach out to us.</p>	Holly Wetman	4/18/2023	4/21/2023	4/21/2023	https://www.acesteel.com/blog/2023/04/20/underground-switchgear-upgrades/ https://www.acesteel.com/blog/2023/04/20/underground-switchgear-upgrades-2/	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
203	CAfPA	Set WMP-16	CAfPA_Set WMP-16	8	CAfPA_Set WMP-16_O8	<p>8.1.2.3. Distribution Pole Replacements and Reinforcements</p> <p>Page 352 of PG&E's WMP states: "Pole replacement and reinforcement reduce outage likelihood which decreases the chance of the area being impacted in the event of a PSP event. These programs also support public and employee safety because they improve the overall health of the distribution system."</p> <p>Please provide the average, median, minimum and maximum age of poles that PG&E:</p> <ol style="list-style-type: none"> 1) Replaced in 2020 1) Replaced in 2021 1) Replaced in 2022 1) Replaced in 2022 	<p>(i) The average, median, minimum and maximum age of poles in years replaced in 2020, 2021, and 2022 are as follows:</p> <ul style="list-style-type: none"> 2020 2021 Average 49 49 Median 47 47 Minimum 47 47 Maximum 59 59 PG&E's form of pole repair discussed in Section 8.1.2.3 of the WMP is to reinforce the pole with a steel band. As such, the age of poles provided herein is specific to poles reinforced. 2020, 2021, and 2022 are as follows: 2020 2021 2022 Average 61 61 Median 61 61 Minimum 61 61 Maximum 61 61 	Holly Wetman	4/18/2023	5/5/2023	5/5/2023	https://www.acesteel.com/blog/2023/04/20/underground-switchgear-upgrades/ https://www.acesteel.com/blog/2023/04/20/underground-switchgear-upgrades-2/	0	NA	8.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements

218	OEIS	003	OEIS_003	4	OEIS_003_Q4	Regarding Support for Medical Baseline Customers a. How does PG&E support Medical Baseline (MBL) customers during wildfire emergencies?	Colin Lang	4/1/2023	4/26/2023	4/26/2023	https://www.es.com/bay_global/customer/colin_lang/colinlang@es.com/colinlang@es.com/colinlang@es.com	0	NA	8.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Emergencies
219	OEIS	003	OEIS_003	5	OEIS_003_Q5	Regarding Emergency Operations Customer Surveys a. Provide an example of each customer survey year in 2021 and 2022 regarding emergency operations and any reports emerging from these surveys' results.	Colin Lang	4/1/2023	4/26/2023	4/26/2023	https://www.es.com/bay_global/customer/colin_lang/colinlang@es.com/colinlang@es.com/colinlang@es.com	1	NA	8.4.4	Emergency Preparedness	Public Emergency Communication Strategy
220	OEIS	003	OEIS_003	6	OEIS_003_Q6	Regarding PG&E's Assess of Concern a. Provide a GIS layer of PG&E's Assess of Concern (AOC) with the following attributes for each AOC polygon: i. Name of the AOC ii. Number of overhead cross-arms in the AOC that are in scope for Focused Tree Inspections (AOC in-scope) (Yes/No) iii. Cumulative probability of ignition caused by vegetation coupled with consequences of ignition as given by WDRM (0 to 100%) iv. Average probability of ignition caused by vegetation coupled with consequences of ignition as given by WDRM (0 to 100%) v. Cumulative Overhead Utility Risk as defined by the 2023-2025 WMP Technical Guidelines, Appendix B vi. Cumulative Ignition Risk as defined by the 2023-2025 WMP Technical Guidelines, Appendix B vii. Cumulative PSPS Risk as defined by the 2023-2025 WMP Technical Guidelines, Appendix B viii. Cumulative Contact from Vegetation Likelihood of Ignition as defined by the 2023-2025 WMP Technical Guidelines, Appendix B b. The PG&E used vegetation related data source to identify the identification of overhead trees to create the AOC? (i.e., LDM, satellite) If so, list the data sources and the date the data were collected. (i.e., distribution, LDM flow by PG&E in 2019) c. How PG&E used the monthly data sets to i. Create the AOC? If so, list the data sets used to create the data sets collected. ii. Determine the probability of ignition using the AOC? If so, list the data sets and the date the data were collected.	Colin Lang	4/1/2023	4/26/2023	4/26/2023	https://www.es.com/bay_global/customer/colin_lang/colinlang@es.com/colinlang@es.com/colinlang@es.com	3	NA	8.2	Vegetation Management and Inspections	NA
221	OEIS	003	OEIS_003	7	OEIS_003_Q7	Regarding Focused Tree Inspections a. During the decision process to discontinue use of the Tree Assessment Tool (TAT) and adopt the ISA's Basic Tree Risk Assessment Form (ISA form), did PG&E consider incorporating elements from the ISA's form into the TAT? b. If PG&E collected a digital record of each ISA form generated by inspectors, is O&M of another system? c. How does PG&E plan to incorporate known localized risk factors (i.e., wind, outage trees as species) into tree risk assessments? d. Did PG&E perform any analysis or study that compared the outcomes of the TAT and the ISA's checklist in the field? If so, provide the analysis or study. e. How PG&E benchmarked and/or decided the latest version of its TAT and the associated risk assessment procedure and to use the risk assessment procedure using the ISA's checklist with other utilities, including, but not limited to, SCE and to Tree Risk Calculator? If so, provide a summary of the benchmarking/discussions. f. Provide the log and any documentation of methodology, validation, and data sources for the most recent version of the TAT. Include a list of the factors considered in TAT scoring methodology.	Colin Lang	4/1/2023	4/27/2023	4/27/2023	https://www.es.com/bay_global/customer/colin_lang/colinlang@es.com/colinlang@es.com/colinlang@es.com	1	NA	8.2	Vegetation Management and Inspections	NA
222	OEIS	003	OEIS_003	8	OEIS_003_Q8	Regarding Confidential Stakeholder Data Requests a. Provide PG&E's confidential responses and attachments to the following Data Requests: i. WMP-Discovery2023_California_002-0001.pdf ii. WMP-Discovery2023_California_006-0007.pdf iii. WMP-Discovery2023_California_006-0008.pdf iv. WMP-Discovery2023_California_006-0011.pdf v. WMP-Discovery2023_California_006-0012.pdf vi. WMP-Discovery2023_California_009-0016.pdf	Colin Lang	4/1/2023	4/26/2023	4/26/2023	https://www.es.com/bay_global/customer/colin_lang/colinlang@es.com/colinlang@es.com/colinlang@es.com	0	NA	7	Wildfire Mitigation Strategy Development	NA
223	OEIS	003	OEIS_003	9	OEIS_003_Q9	Regarding PG&E's Asset Inspection Program a. Provide the inspection checklist used for both PG&E's patrols and detailed inspections. b. PG&E takes its inspections specifically to inspect wildfire risk specific items, identify which items within the checklist they apply to, particularly if such differs from standard GO 23 inspections. c. On average, how many detailed inspections are completed by inspectors per day?	Colin Lang	4/1/2023	4/26/2023	4/26/2023	https://www.es.com/bay_global/customer/colin_lang/colinlang@es.com/colinlang@es.com/colinlang@es.com	5	NA	8.1.3	Asset Inspections	NA

224	OEIS	003	OEIS_003	10	OEIS_003_010	<p>Regarding PG&E's Asset Inventory</p> <p>a. Provide a list of all assets that PG&E's asset inventory captures (i.e. equipment, equipment type, age, installation date)</p> <p>b. Provide a list of all types of equipment captured within PG&E's asset inventory</p> <p>c. Provide a percentage in which PG&E is missing data in each class that least in part fits its asset inventory</p> <p>d. Provide an estimated percentage for the amount of assets missing from PG&E's asset inventory</p>	Colin Lang	4/3/2023	5/1/2023	5/1/2023	https://www.pge.com/globalassets/customer-experience/asset-management/asset-inventory-report-2022.pdf	2	NA	8.1.5	Asset Management and Inspection Systems)	NA
225	OEIS	003	OEIS_003	11	OEIS_003_011	<p>Regarding PG&E's Response to P-WMP_2023-PG&E-003-007</p> <p>a. PG&E states that a Critical Attribute is defined as "a condition that could lead to either an ignition point or one down situation that could result in a potential fire ignition." Provide all supporting documentation for responses to Critical Attributes. A description of PG&E's process for how it determines what qualifies as a Critical Attribute.</p> <p>b. A list of criteria PG&E uses to qualify an asset as a Critical Attribute.</p> <p>c. What does PG&E mean by "As defined by Asset Strategy?"</p>	Colin Lang	4/3/2023	4/26/2023	4/26/2023	https://www.pge.com/globalassets/customer-experience/asset-management/asset-inventory-report-2022.pdf	0	NA	Appendix D	Appendix D - Assets for Continued Inspection	ACI PG&E 22-08 Better Application of Specific Lessons Learned from Liberty-Cascadia Fires
226	OEIS	003	OEIS_003	12	OEIS_003_012	<p>Regarding PG&E's Response to P-WMP_2023-PG&E-003-009</p> <p>a. PG&E states that it is still performing targeted equipment repairs relating to EPSS. Is this a program separate from that described under Section 5.7.1 of the WMP? If so, provide the following: - Description and procedures in which PG&E uses to decide when and where it performs EPSS-related targeted equipment repairs</p> <p>b. The PG&E indicates responses to address these EPSS-related targeted equipment repairs (particular in relation to the program described in Section 5.7.1). - In the scope of such EPSS-related targeted equipment repairs (i.e. number of work orders, number of CPZs affected, etc.) - In the attachment "WMP-Discovery2023_DR_OEIS_003-020-00A042023" targeted equipment repairs are not included as part of the additional mitigations being completed. Why were these not included if PG&E is still doing this mitigation?</p> <p>c. Provide a GIS file with the locations of CPZs scope of additional reliability mitigations based on EPSS impacts</p>	Colin Lang	4/3/2023	4/26/2023	4/26/2023	https://www.pge.com/globalassets/customer-experience/asset-management/asset-inventory-report-2022.pdf	0	NA	Appendix D	Appendix D - Assets for Continued Inspection	ACI PG&E 22-32 - Updates to EPSS Readability Study
227	OEIS	003	OEIS_003	13	OEIS_003_013	<p>Regarding PG&E's Response to P-WMP_2023-PG&E-003-008</p> <p>a. Provide all Enhanced Ignition Analysis (EIA) reports completed for instances in which the qualifier was an EPSS related fault.</p> <p>b. Provide all Enhanced Ignition Analysis (EIA) reports completed for instances in which the qualifier was an EPSS protected facility.</p>	Colin Lang	4/3/2023	4/26/2023	4/26/2023	https://www.pge.com/globalassets/customer-experience/asset-management/asset-inventory-report-2022.pdf	1	NA	Appendix D	Appendix D - Assets for Continued Inspection	ACI PG&E 22-08 Better Application of Specific Lessons Learned from Liberty-Cascadia Fires
228	OEIS	003	OEIS_003	14	OEIS_003_014	<p>Regarding PG&E's Full Responder Replacements</p> <p>a. Provide the number of full responder (FSR) replaced by new ones 2020.</p> <p>b. Provide PG&E targets for full responder replacement in 2023 and 2024, as applicable.</p> <p>c. Provide the number of full responder replaced within HFTD.</p> <p>d. Provide the number of full responder identified as needing replacement within PG&E's HFTD.</p>	Colin Lang	4/3/2023	4/26/2023	4/26/2023	https://www.pge.com/globalassets/customer-experience/asset-management/asset-inventory-report-2022.pdf	0	NA	NA	NA	NA
229	OEIS	003	OEIS_003	15	OEIS_003_015	<p>Regarding PG&E's V4 of a Wildlife Distribution Risk Model (WDRM)</p> <p>a. What is PG&E's status for review and approval of V4?</p> <p>b. When does PG&E intend to call V4's approval/endorsement/underwriting plan? Include discussion on details of how this will affect PG&E's underwriting plan.</p> <p>c. Provide a list of the differences and improvements being made to V4 in comparison to V3.</p> <p>d. Is V4 undergoing the preliminary review similar to V2 or V3? If so, provide a status update on the review, including expected completion date for the related review.</p>	Colin Lang	4/3/2023	4/26/2023	4/26/2023	https://www.pge.com/globalassets/customer-experience/asset-management/asset-inventory-report-2022.pdf	0	NA	6.2.1	Risk Methodology and Assessment	Risk and Risk Component Identification
230	OEIS	003	OEIS_003	16	OEIS_003_016	<p>Regarding PG&E's response to OEIS Data Request 2 Question 5 Attachment 1</p> <p>a. How did PG&E determine a mitigation effectiveness of 1.8% for down conductor detection devices (DCDD) in response to 2021, 2022, 2023, and 2025 targets for DCDD. Additionally, is DCDD in response to 2021, 2022, 2023, and 2025 broken down by year?</p> <p>b. Include the number of DCDD covered in 2022, as well as how many additional miles will be covered based on PG&E targets for 2023, 2024, and 2025 broken down by year.</p> <p>c. How did PG&E determine a mitigation effectiveness of 65% for EPSS?</p> <p>d. Why is mitigation effectiveness (EPSS) not included within PG&E's mitigations within the attachment? If it were, what would the mitigation effectiveness be for including PWD?</p>	Colin Lang	4/3/2023	4/26/2023	4/26/2023	https://www.pge.com/globalassets/customer-experience/asset-management/asset-inventory-report-2022.pdf	0	NA	8.1.10	Grid Design and System Hardening	Downed Conductor Detection Devices
231	OEIS	003	OEIS_003	17	OEIS_003_017	<p>Regarding unbranded items in 8.4.6</p> <p>a. PG&E discusses "red tagger" customers, "transfer" customers, and "transfer" customers (including cities, counties, and governments) in Section 8.4.6. However, definitions of such items are not provided.</p> <p>b. Provide a definition, as a separate to both WMP and PSPS within the context of Section 8.4.6, and the criteria and process for being identified as such for: - "Red tagger" customers - "Transfer" customers</p>	Colin Lang	4/3/2023	4/26/2023	4/26/2023	https://www.pge.com/globalassets/customer-experience/asset-management/asset-inventory-report-2022.pdf	0	NA	8.4.6	Emergency Preparedness	Customer Support to Wildlife and PSPS Emergencies
232	CA/PA	Set WMP-17	CA/PA_Set WMP-17_01	1	CA/PA_Set WMP-17_01	<p>Table 1 - Projects not pursued for Undergoing 0 to final 2100 miles</p> <p>PG&E's WORMV3 seeks critical protection zones (CPZs) based on measured across 17 km mile to ensure "cumulative risk score" for each CPZ in Table 1. However, selected CPZs for PG&E has decided not to pursue "undergoing 0 to final 2100 miles" risk score for the CPZ in WORMV3.</p> <p>a. Provide CPZ length in miles measured by projecting the feature class in WORMV3 to a UTM projection and calculating risk score for the CPZ in WORMV3.</p> <p>b. How did PG&E determine the "average risk" value derived from the previous values?</p> <p>c. Whether the CPZ was experienced outage due to PSPS or EPSS in the past five years.</p> <p>d. PG&E 2023 WMP decision to select program the CPZ based on reduced risk score against Question 1 on WORMV3 for 2023, 2024, and 2025 broken down by year.</p> <p>e. PG&E 2023 WMP risk score for each CPZ in WORMV3 project selection.</p> <p>f. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>g. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>h. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>i. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>j. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>k. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>l. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>m. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>n. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>o. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>p. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>q. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>r. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>s. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>t. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>u. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>v. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>w. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>x. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>y. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p> <p>z. PG&E 2023 WMP risk score for projects in 2023-2025 breakdown.</p>	Matthew Taul	4/3/2023	4/26/2023	4/26/2023	https://www.pge.com/globalassets/customer-experience/asset-management/asset-inventory-report-2022.pdf	0	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
Internal																

243	TURN	007	TURN_007	TURN_007_C2	<p>Regarding Table 7.2 in the WMP:</p> <p>a. A RPN indicates from Table 6.5 that the Overall Risk Score values in Table 7.2 are the sum of Total Ignition Risk Score and the Total PPS Risk Score. Please explain how these input values to the Overall Risk Score column were calculated. Please include in the explanation the relevant mathematical equations.</p> <p>b. Please provide, in an Excel format, a table that shows the information in Table 7.2 for all HFTD circuit segments if PGESE has the same information for all self-identified HFTD circuit segments. Please include that information also, and indicate which circuit segments are HFTD.</p>	Tom Long	4/12/2023	4/26/2023	4/26/2023	<p>https://www.pge.com/pge_global/communities/turn/turn_007/turn_007_c2/turn_007_c2.pdf</p> <p>https://www.pge.com/pge_global/communities/turn/turn_007/turn_007_c2/turn_007_c2.pdf</p>	1	NA	7.1.3	Wildfire Mitigation Strategy Development	Risk-Horizon Prioritization
244	TURN	007	TURN_007	TURN_007_C3	<p>Regarding the System Hardening Workplan provided as Attachment 1 to the response to TURN date request 2-2 which is not included in response 2-2:</p> <p>a. The first tab in the Excel workbook is named "SH Workplan_2023-2026_Conf" which suggests that the responses to Cal Advocates were taken from documents that also included the years 2023 and 2026. Please provide the most up-to-date version of this workplan for the period 2023-2026. Indicate the date of the information in the workbook that is provided.</p> <p>b. It appears that some of the circuit segments listed as high risk in Table 7.2 of the WMP and in the 2023-2026 Undergoing Work Plan that were not included in the WMP (e.g., for instance Table 7.2C and Borneo No. 1101C only Borneo No. 1102CB is shown), are not listed in this workbook. Please explain why this is the case, and how the workbook includes planned undergrounding notes.</p> <p>c. Are there discrepancies in the names of the circuit segments between this workbook and Table 7.2 and the 2023-2026 Undergoing Work Plan that were not included in page 915 of the WMP (R)? If so, please modify the version of this workbook provided in response 2-2 to make the circuit segment names consistent with Table 7.2 and the 2023-2026 Undergoing Work Plan that were not included in page 915 of the WMP (R).</p>	Tom Long	4/12/2023	4/27/2023	4/27/2023	<p>https://www.pge.com/pge_global/communities/turn/turn_007/turn_007_c3/turn_007_c3.pdf</p> <p>https://www.pge.com/pge_global/communities/turn/turn_007/turn_007_c3/turn_007_c3.pdf</p> <p>https://www.pge.com/pge_global/communities/turn/turn_007/turn_007_c3/turn_007_c3.pdf</p>	1	Yes	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
245	TURN	007	TURN_007	TURN_007_C4	<p>Regarding Attachment 2023-03-27_PGE_2023_WMP_R1_Section 4.2_Aln01, which is referenced on page 195, 197, 217 of the WMP (R):</p> <p>a. Please provide a version of this Excel workbook that includes the same information for all of PGESE's HFTD circuit segments, or as many of these segments for which PGESE has such information.</p> <p>b. If PGESE has completed the information for all self-identified HFTD segments, please provide that information.</p> <p>c. Please explain why the circuit segment listed for any of the wildfire mitigation items in the workbook if it is not mitigated?</p> <p>d. Please provide the Corrected Condition Mitigation Effectiveness values in Columns U(2023), AE (2023), BP (2024), and CA (2025).</p> <p>e. Please explain how these values were determined.</p> <p>f. Why are the values for 2023-2025 much lower than the values for 2022?</p> <p>g. Why do the values differ slightly based on the circuit segment?</p> <p>h. Are the values shown the values that are being used in PGESE's process for selecting among different wildfire mitigation techniques (e.g., undergrounding vs. covered conductors) for the listed circuit segments?</p>	Tom Long	4/12/2023	4/26/2023	4/26/2023	<p>https://www.pge.com/pge_global/communities/turn/turn_007/turn_007_c4/turn_007_c4.pdf</p> <p>https://www.pge.com/pge_global/communities/turn/turn_007/turn_007_c4/turn_007_c4.pdf</p> <p>https://www.pge.com/pge_global/communities/turn/turn_007/turn_007_c4/turn_007_c4.pdf</p>	0	NA	6.4.2	Risk Methodology and Assessment	Top Risk-Correlating Circuits Segments
246	CaPA	Set WMP-18	CaPA_Set WMP-18	CaPA_Set WMP-18_C1	<p>PG&E status in response to Question 10 of Cal Advocates PGE-2023WMP-18: Vegetation Management for Operational Mitigation (VMO) will be primarily focused in HFTD and HFTD areas. There are responses where a circuit segment may cross or be part of HFTD/HFTD and VMO will complete work on the whole circuit segment including the areas outside HFTD/HFTD. Focus Tree Inspections are planned for HFTD areas in the plan developed for 2023.</p> <p>a. As a result to inspect the adjacent areas to those that Focused Tree Inspections take place only in HFTD areas and not include HFTD areas, are VMO staff up to 2023?</p> <p>b. If Focused Tree Inspections will take place only in HFTD areas and not in HFTD areas, please explain why.</p> <p>c. If Focused Tree Inspections take place outside of the HFTD after the year 2023?</p> <p>d. Are there sites where (in addition to the HFTD) Focused Tree Inspections are likely to take place after the year 2023?</p>	Holy Wellman	4/4/2023	4/27/2023	4/27/2023	<p>https://www.pge.com/pge_global/communities/ca-pa/ca-pa_set_wmp-18/ca-pa_set_wmp-18_c1/ca-pa_set_wmp-18_c1.pdf</p> <p>https://www.pge.com/pge_global/communities/ca-pa/ca-pa_set_wmp-18/ca-pa_set_wmp-18_c1/ca-pa_set_wmp-18_c1.pdf</p> <p>https://www.pge.com/pge_global/communities/ca-pa/ca-pa_set_wmp-18/ca-pa_set_wmp-18_c1/ca-pa_set_wmp-18_c1.pdf</p>	0	NA	8.2.2.6	Vegetation Management and Inspections	Discouraged Programs
247	CaPA	Set WMP-18	CaPA_Set WMP-18	CaPA_Set WMP-18_C2	<p>PG&E status in response to Question 21 of Cal Advocates PGE-2023WMP-18: "PG&E intends to track trees identified for removal in VMO and FTI using the One VM tool."</p> <p>a. Please provide the following regarding the One VM tool:</p> <p>(1) How the tool works (i.e., what mechanisms or procedures it will use to achieve outputs)</p> <p>(2) When the tool was developed</p> <p>(3) When PG&E will begin utilizing the tool.</p>	Holy Wellman	4/4/2023	4/27/2023	4/27/2023	<p>https://www.pge.com/pge_global/communities/ca-pa/ca-pa_set_wmp-18/ca-pa_set_wmp-18_c2/ca-pa_set_wmp-18_c2.pdf</p> <p>https://www.pge.com/pge_global/communities/ca-pa/ca-pa_set_wmp-18/ca-pa_set_wmp-18_c2/ca-pa_set_wmp-18_c2.pdf</p> <p>https://www.pge.com/pge_global/communities/ca-pa/ca-pa_set_wmp-18/ca-pa_set_wmp-18_c2/ca-pa_set_wmp-18_c2.pdf</p>	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
248	CaPA	Set WMP-18	CaPA_Set WMP-18	CaPA_Set WMP-18_C3	<p>PG&E status in response to Question 24(a) of Cal Advocates PGE-2023WMP-18: "An EPSS-related outage data was used to determine both planned and forecast of identified CPDs where EPSS VM Outages took place." Please explain what "planned and forecast" refers to in the above text.</p>	Holy Wellman	4/4/2023	4/27/2023	4/27/2023	<p>https://www.pge.com/pge_global/communities/ca-pa/ca-pa_set_wmp-18/ca-pa_set_wmp-18_c3/ca-pa_set_wmp-18_c3.pdf</p> <p>https://www.pge.com/pge_global/communities/ca-pa/ca-pa_set_wmp-18/ca-pa_set_wmp-18_c3/ca-pa_set_wmp-18_c3.pdf</p>	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
249	CaPA	Set WMP-18	CaPA_Set WMP-18	CaPA_Set WMP-18_C4	<p>PG&E status in response to Question 24(b) of Cal Advocates PGE-2023WMP-18: "The EPSS-related outage data was used to determine both planned and forecast of identified CPDs where EPSS VM Outages took place." Please explain what "planned and forecast" refers to in the above text.</p> <p>a. How many years was collected as the starting point based on a statistically achievable average price of approximately \$3,000 was removed per year (20,000 x 0.25) 2000 with the price and location of the program to be evaluated as needed based on the lessons learned from the initial years of the program. As of August 29, 2022, when the Tree Removal Inventory (TRI) program was being formalized, it was established that approximately 200,000 trees had been removed at the conclusion of the Enhanced Vegetation Management (EVM) 8,400 of these trees had a work prescription of removal were identified as being responsive to being a Tree Assessment Tool (TAT) trigger other than "Abate," typically due to the extent of clearance needed to achieve EVM overhead clearance requirements despite having no other safety concerns. Given that the inspection and removal of trees to the population to some extent, the work was set to complete approximately 207,000 trees. Additionally, over the course of nine years this would still be impacted twice per year, once by the EVM annual inspection and once during the Seasonal Forest Cycles, which would allow mitigation by trees with enhanced conditions prior to the inclusion of any given circuit segment into an annual FTI scope of work.</p> <p>b. Different locations was considered to complete the work. However, nine years were selected as the starting point. The plan will be adjusted based on the amount and composition of the work, and the success rate of contract retention.</p> <p>c. Do we currently need for the Tree Inventory Program to continue for more than nine years?</p>	Holy Wellman	4/4/2023	4/27/2023	4/27/2023	<p>https://www.pge.com/pge_global/communities/ca-pa/ca-pa_set_wmp-18/ca-pa_set_wmp-18_c4/ca-pa_set_wmp-18_c4.pdf</p> <p>https://www.pge.com/pge_global/communities/ca-pa/ca-pa_set_wmp-18/ca-pa_set_wmp-18_c4/ca-pa_set_wmp-18_c4.pdf</p> <p>https://www.pge.com/pge_global/communities/ca-pa/ca-pa_set_wmp-18/ca-pa_set_wmp-18_c4/ca-pa_set_wmp-18_c4.pdf</p>	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
250	CaPA	Set WMP-18	CaPA_Set WMP-18	CaPA_Set WMP-18_C5	<p>84) Year Number of Undergrounding Miles to be Completed</p> <p>Planned reduction in Number of Routine VM Miles</p> <p>Amount of Routine VM Cost Savings from Undergrounding (SES)</p> <p>2023</p> <p>2024</p> <p>2025</p> <p>In response to question 19(b)(3) of Cal Advocates PGE-2023WMP-18: PG&E status:</p> <p>The difference in projected vegetation management costs of \$24.4B (2002) between 2023 and 2024 is due to several factors, this is how PG&E will achieve this reduction: (1) Transitioning from EVM to EVO three new programs; (2) reducing the amount of Routine VM work conducted each year; communicating with the amount of undergrounding miles completed; and (3) reducing unit costs through efficiencies over the time case period through targeted programmatic adjustments that improve processes and improve resource efficiency.</p> <p>a) How does PG&E intend to reduce the amount of Routine VM work conducted each year?</p> <p>b) Please provide the following information: amount of undergrounding miles completed from undergrounding in the below table.</p> <p>Year</p> <p>Number of Undergrounding Miles to be Completed</p> <p>Planned reduction in Number of Routine VM Miles</p> <p>Amount of Routine VM Cost Savings from Undergrounding (SES)</p> <p>2023</p> <p>2024</p> <p>2025</p>	Holy Wellman	4/4/2023	4/27/2023	4/27/2023	<p>https://www.pge.com/pge_global/communities/ca-pa/ca-pa_set_wmp-18/ca-pa_set_wmp-18_c5/ca-pa_set_wmp-18_c5.pdf</p> <p>https://www.pge.com/pge_global/communities/ca-pa/ca-pa_set_wmp-18/ca-pa_set_wmp-18_c5/ca-pa_set_wmp-18_c5.pdf</p> <p>https://www.pge.com/pge_global/communities/ca-pa/ca-pa_set_wmp-18/ca-pa_set_wmp-18_c5/ca-pa_set_wmp-18_c5.pdf</p>	0	NA	8.2.5	Vegetation Management and Inspections	Quality Control

250	CAPA	Sat WMP-18	CapA_Sat WMP-18	501	CapA_Sat WMP-18_G501	<p>In response to question 19(3)(iv) of California PGE 2023 WMP-18, PGE asks:</p> <p>The difference in projected vegetation management costs of \$24.8M between 2023 and 2024 is due to several factors, this is how PGE will address this reduction: (1) Transitioning from EVM to three year programs; (2) Reducing the amount of Routine VM work conducted each year commensurate with the amount of undergrounding programmatic adjustments; and (3) reducing unit costs through efficiencies over the one year period through targeted programmatic adjustments that reduce processes and improve resources efficiency.</p> <p>At the same time, PGE will continue to invest in cost reduction:</p> <p>A) How does transitioning from EVM to three year programs result in cost reduction? B) Please provide the following information: annual undergrounding VM cost reductions from undergrounding in the below table: Number of Undergrounding Miles to be Completed Planned Reduction in Number of Routine VM Miles Amount of Routine VM Cost Savings from Undergrounding (\$M) 2023 2024 2025 2026 2027 2028 2029 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250</p>	Holy Wellman	4/4/2023	4/28/2023	4/28/2023	https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G501_Reduction_in_Routine_VM_Miles_01242023.pdf https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G501_Reduction_in_Routine_VM_Miles_01242023.pdf https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G501_Reduction_in_Routine_VM_Miles_01242023.pdf https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G501_Reduction_in_Routine_VM_Miles_01242023.pdf	0	NA	8.2.2	Vegetation Management and Inspections	Quality Control
251	CAPA	Sat WMP-18	CapA_Sat WMP-18	6	CapA_Sat WMP-18_G6	<p>In response to question 19(3)(iv) of California PGE 2023 WMP-18, PGE asks:</p> <p>The difference in projected vegetation management costs of \$24.8M between 2023 and 2024 is due to several factors, this is how PGE will address this reduction: (1) Transitioning from EVM to three year programs; (2) Reducing the amount of Routine VM work conducted each year commensurate with the amount of undergrounding programmatic adjustments; and (3) reducing unit costs through efficiencies over the one year period through targeted programmatic adjustments that reduce processes and improve resources efficiency.</p> <p>At the same time, PGE will continue to invest in cost reduction:</p> <p>A) How does transitioning from EVM to three year programs result in cost reduction? B) Please provide the following information: annual undergrounding VM cost reductions from undergrounding in the below table: Number of Undergrounding Miles to be Completed Planned Reduction in Number of Routine VM Miles Amount of Routine VM Cost Savings from Undergrounding (\$M) 2023 2024 2025 2026 2027 2028 2029 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250</p>	Holy Wellman	4/4/2023	4/27/2023	4/27/2023	https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G6_Reduction_in_Routine_VM_Miles_01242023.pdf https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G6_Reduction_in_Routine_VM_Miles_01242023.pdf https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G6_Reduction_in_Routine_VM_Miles_01242023.pdf	0	NA	8.2.2	Vegetation Management and Inspections	Quality Control
252	CAPA	Sat WMP-18	CapA_Sat WMP-18	7	CapA_Sat WMP-18_G7	<p>WMP Initiative Number 2522 2523 2524 2525 2526 2527 2528 2529 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000</p>	Holy Wellman	4/4/2023	4/27/2023	4/27/2023	https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G7_Reduction_in_Routine_VM_Miles_01242023.pdf https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G7_Reduction_in_Routine_VM_Miles_01242023.pdf https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G7_Reduction_in_Routine_VM_Miles_01242023.pdf	0	NA	8.2	Vegetation Management and Inspections	NA
253	TURN	008	TURN_008	1	TURN_008_G1	<p>Your most recent calculation of RSE for Undergrounding is shared in our 2023 GRC Supplemental Filing from February 2023. The most granular level at which we calculated RSE is at the level of individual poles. This is summarized in attached WMP_Disclosure2023_OR_TURN_008-001A011. The RSE results are summarized in the RSE Results tab with the RSE amount for each pole. The total RSE amount is \$11.1.11. The RSE amount for each pole is detailed in the RSE Results tab.</p> <p>The RSE amount for each pole is detailed in the RSE Results tab.</p> <p>The RSE amount for each pole is detailed in the RSE Results tab.</p> <p>The RSE amount for each pole is detailed in the RSE Results tab.</p> <p>The RSE amount for each pole is detailed in the RSE Results tab.</p>	Tom Long	4/4/2023	4/27/2023	4/27/2023	https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G7_Reduction_in_Routine_VM_Miles_01242023.pdf https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G7_Reduction_in_Routine_VM_Miles_01242023.pdf	2	NA	8.2	Wildfire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives
254	TURN	008	TURN_008	2	TURN_008_G2	<p>Your most recent calculation of RSE for Covered Conductor is shared in our 2023 GRC Supplemental Filing from February 2023. The most granular level at which we calculated RSE is at the level of individual poles. This is summarized in attached WMP_Disclosure2023_OR_TURN_008-001A011. The RSE results are summarized in the RSE Results tab with the RSE amount for each pole. The total RSE amount is \$11.1.11. The RSE amount for each pole is detailed in the RSE Results tab.</p> <p>The RSE amount for each pole is detailed in the RSE Results tab.</p> <p>The RSE amount for each pole is detailed in the RSE Results tab.</p> <p>The RSE amount for each pole is detailed in the RSE Results tab.</p> <p>The RSE amount for each pole is detailed in the RSE Results tab.</p>	Tom Long	4/4/2023	4/27/2023	4/27/2023	https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G7_Reduction_in_Routine_VM_Miles_01242023.pdf https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G7_Reduction_in_Routine_VM_Miles_01242023.pdf	0	NA	8.2.2	Wildfire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives
255	TURN	008	TURN_008	3	TURN_008_G3	<p>The decision tree is correct as originally submitted.</p> <p>The decision tree is correct as originally submitted.</p> <p>The decision tree is correct as originally submitted.</p> <p>The decision tree is correct as originally submitted.</p> <p>The decision tree is correct as originally submitted.</p>	Tom Long	4/4/2023	4/27/2023	4/27/2023	https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G7_Reduction_in_Routine_VM_Miles_01242023.pdf https://www.sds.com/gov/ghg/california/wmp18/CAPA_Sat_WMP-18_G7_Reduction_in_Routine_VM_Miles_01242023.pdf	0	NA	8.1.2	Grid Design and System Hardening	ALL
256	TURN	008	TURN_008	4	TURN_008_G4	<p>The decision tree is correct as originally submitted.</p> <p>The decision tree is correct as originally submitted.</p> <p>The decision tree is correct as originally submitted.</p> <p>The decision tree is correct as originally submitted.</p> <p>The decision tree is correct as originally submitted.</p>										

260	CAIPA	Set WMP-19	CAIPA_Set WMP-19	2	CAIPA_Set WMP-19_Q2	<p>a) In 2023, what is the average per-circuit-mile cost that PG&E expects to incur for asset inspection and maintenance on covered conductor distribution lines installed in the HFTD?</p> <p>b) In 2023, what is the average per-circuit-mile cost that PG&E expects to incur for asset inspection and maintenance on underground distribution lines installed in the HFTD?</p> <p>c) In 2023, what is the average per-circuit-mile cost that PG&E expects to incur for asset inspection and maintenance on overhead distribution lines installed in the HFTD?</p> <p>d) Please state the assumptions and limitations of your estimates for parts (a) through (c).</p>	<p>1) Completion is expected as part of our General Order (GO) 166 detailed ground inspection and patrol program. It is also expected during planned inspection.</p> <p>These inspection processes currently do not differentiate between covered conductor and bare conductor. The cost that we expect to incur for distribution overhead asset inspections in HFTDs in 2023 is roughly \$2.19 per circuit-mile, regardless of whether the conductor is covered or bare. In addition, the cost that we expect to incur for distribution overhead asset maintenance in HFTDs in 2023 is \$14,000 per circuit-mile.</p> <p>2) Underground calls to inspect as part of our GO 128 underground inspection and patrol program, which has an expected cost in 2023 of \$53 per inspection and \$11 per foot for patrol. We do not calculate a per-circuit-mile cost on distribution underground inspections because the use of inspection is an enclosure, padlock, subsurface walk, method, and so on. We expect to spend \$1.2 million for distribution underground inspections and patrols system-wide in 2023. In addition, we expect to spend \$2.4 million for distribution underground asset maintenance system-wide in 2023. Do not include costs for distribution underground line inspection and maintenance costs in HFTDs and non-HFTD areas that are the responsibility of other entities.</p> <p>3) We used the following assumptions in calculating the per-circuit-mile inspection cost for overhead conductor in HFTD: We expect to spend 2.7 million for distribution overhead conductor inspections in HFTDs in 2023. This includes the following for the three types of overhead conductor: detailed ground inspection, patrol inspection, and infrared inspection. We expect to spend \$1.2 million for distribution overhead inspection activities in HFTDs in 2023, as part of the following assumptions in calculating the per-circuit-mile inspection cost for distribution overhead assets in HFTD: We expect to spend approximately 11,110 circuit-miles of overhead distribution conductor in HFTDs in 2023, as part of the following assumptions in calculating the per-circuit-mile inspection cost for distribution overhead assets in HFTD: We expect to spend \$24.4 million for asset inspections and maintenance on distribution overhead lines installed in the HFTD. We do not differentiate costs between covered and bare conductor, as these costs are for all assets in the HFTD. Further, we only included the maintenance costs associated with general overhead Electric Company (EC) Notifications. These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. As such, the maintenance costs we list for all assets in the HFTD. We only included the maintenance costs associated with general overhead Electric Company (EC) Notifications. These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. In addition, the costs for our proactive asset replacement programs were not included (e.g. pole replacements, transformer replacements, overhead equipment replacements, etc.)</p> <p>4) System hardening program was not included.</p> <p>5) We expect to spend \$34.6 million for distribution overhead asset maintenance in HFTDs in 2023.</p> <p>6) We have approximately 21,020 circuit-miles of overhead distribution in HFTDs.</p>	Holly Wetman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/globalassets/2023/capex/2023-2025-wmp/2023-2025-wmp-19-02.pdf	0	NA	8.1.5	Asset Management and Inspection Systems (System)	NA
261	CAIPA	Set WMP-19	CAIPA_Set WMP-19	3	CAIPA_Set WMP-19_Q3	<p>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.</p> <p>b) State the total number of circuit-miles of covered conductor distribution lines that PG&E had in the HFTD as of January 1, 2022.</p> <p>c) State the total costs that PG&E incurred in 2022 for asset inspections and maintenance on underground distribution lines installed in the HFTD.</p> <p>d) State the total number of circuit-miles of underground distribution lines that PG&E had in the HFTD as of January 1, 2022.</p> <p>e) State the total costs that PG&E incurred in 2022 for asset inspections and maintenance on bare overhead distribution lines installed in the HFTD.</p> <p>f) State the total number of circuit-miles of bare overhead distribution lines that PG&E had in the HFTD as of January 1, 2022.</p>	<p>1) In response to 2022 WMP Discussion, Cal Advocates Q2R, Question 3, provided on August 1, 2022, we reported our total asset inspection and maintenance costs for covered conductor distribution lines installed in the HFTD in 2022 as approximately \$20.1 million. This cost was reported in the Quarterly Data Report (QDR), Table 8, Our System's a) Diagrams, "hardware" system that reflects the current assets in our service territory. We do not differentiate between covered and bare conductor, as these costs are for all assets in the HFTD. We do not include the maintenance costs associated with general overhead Electric Company (EC) Notifications. These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. In addition, the costs for our proactive asset replacement programs were not included (e.g. pole replacements, transformer replacements, overhead equipment replacements, etc.)</p> <p>2) PG&E issued the data published in January 2022 for the Energy Safety's Spatial Quality Data Report (SQDR), Table 8, Our System's a) Diagrams, "hardware" system that reflects the current assets in our service territory. We do not differentiate between covered and bare conductor, as these costs are for all assets in the HFTD. We do not include the maintenance costs associated with general overhead Electric Company (EC) Notifications. These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. In addition, the costs for our proactive asset replacement programs were not included (e.g. pole replacements, transformer replacements, overhead equipment replacements, etc.)</p> <p>3) In 2022, we spent \$100 million for asset inspections and maintenance on distribution underground lines throughout the HFTD. We do not track whether costs for distribution underground line inspection and maintenance occur in HFTD and non HFTD areas that are the responsibility of other entities.</p> <p>4) PG&E issued the data published in January 2022 for the Energy Safety's SQDR, Table 8, Our System's a) Diagrams, "hardware" system that reflects the current assets in our service territory. We do not differentiate between covered and bare conductor, as these costs are for all assets in the HFTD. We do not include the maintenance costs associated with general overhead Electric Company (EC) Notifications. These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. In addition, the costs for our proactive asset replacement programs were not included (e.g. pole replacements, transformer replacements, overhead equipment replacements, etc.)</p> <p>5) PG&E issued the data published in January 2022 for the Energy Safety's SQDR, Table 8, Our System's a) Diagrams, "hardware" system that reflects the current assets in our service territory. We do not differentiate between covered and bare conductor, as these costs are for all assets in the HFTD. We do not include the maintenance costs associated with general overhead Electric Company (EC) Notifications. These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. In addition, the costs for our proactive asset replacement programs were not included (e.g. pole replacements, transformer replacements, overhead equipment replacements, etc.)</p> <p>6) PG&E issued the data published in January 2022 for the Energy Safety's SQDR, Table 8, Our System's a) Diagrams, "hardware" system that reflects the current assets in our service territory. We do not differentiate between covered and bare conductor, as these costs are for all assets in the HFTD. We do not include the maintenance costs associated with general overhead Electric Company (EC) Notifications. These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. In addition, the costs for our proactive asset replacement programs were not included (e.g. pole replacements, transformer replacements, overhead equipment replacements, etc.)</p>	Holly Wetman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/globalassets/2023/capex/2023-2025-wmp/2023-2025-wmp-19-03.pdf	0	NA	8.1.2	Grid Design, Operations, and Maintenance	Grid Design and System Hardening
261	CAIPA	Set WMP-19	CAIPA_Set WMP-19	3x3	CAIPA_Set WMP-19_Q3x3	<p>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.</p> <p>b) State the total number of circuit-miles of covered conductor distribution lines that PG&E had in the HFTD as of January 1, 2022.</p> <p>c) State the total costs that PG&E incurred in 2022 for asset inspections and maintenance on underground distribution lines installed in the HFTD.</p> <p>d) State the total number of circuit-miles of underground distribution lines that PG&E had in the HFTD as of January 1, 2022.</p> <p>e) State the total costs that PG&E incurred in 2022 for asset inspections and maintenance on bare overhead distribution lines installed in the HFTD.</p> <p>f) State the total number of circuit-miles of bare overhead distribution lines that PG&E had in the HFTD as of January 1, 2022.</p>	<p>1) PG&E is amending subject 3, e) of our original response. Although there is not a specific method in GIS to distinguish covered and bare conductor, we were able to allow the conductor type codes to differentiate between covered and bare conductors.</p> <p>2) In 2022, we spent \$24.4 million for asset inspections and maintenance on distribution overhead lines installed in the HFTD. We do not differentiate costs between covered and bare conductor, as these costs are for all assets in the HFTD. Further, we only included the maintenance costs associated with general overhead Electric Company (EC) Notifications. These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. In addition, the costs for our proactive asset replacement programs were not included (e.g. pole replacements, transformer replacements, overhead equipment replacements, etc.)</p> <p>3) PG&E issued the data published in January 2022 for the Energy Safety's Spatial Quality Data Report (SQDR), Table 8, Our System's a) Diagrams, "hardware" system that reflects the current assets in our service territory. We do not differentiate between covered and bare conductor, as these costs are for all assets in the HFTD. We do not include the maintenance costs associated with general overhead Electric Company (EC) Notifications. These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. In addition, the costs for our proactive asset replacement programs were not included (e.g. pole replacements, transformer replacements, overhead equipment replacements, etc.)</p> <p>4) In 2022, we spent \$100 million for asset inspections and maintenance on distribution underground lines throughout the HFTD. We do not track whether costs for distribution underground line inspection and maintenance occur in HFTD and non HFTD areas that are the responsibility of other entities.</p> <p>5) PG&E issued the data published in January 2022 for the Energy Safety's SQDR, Table 8, Our System's a) Diagrams, "hardware" system that reflects the current assets in our service territory. We do not differentiate between covered and bare conductor, as these costs are for all assets in the HFTD. We do not include the maintenance costs associated with general overhead Electric Company (EC) Notifications. These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. In addition, the costs for our proactive asset replacement programs were not included (e.g. pole replacements, transformer replacements, overhead equipment replacements, etc.)</p> <p>6) PG&E issued the data published in January 2022 for the Energy Safety's SQDR, Table 8, Our System's a) Diagrams, "hardware" system that reflects the current assets in our service territory. We do not differentiate between covered and bare conductor, as these costs are for all assets in the HFTD. We do not include the maintenance costs associated with general overhead Electric Company (EC) Notifications. These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. In addition, the costs for our proactive asset replacement programs were not included (e.g. pole replacements, transformer replacements, overhead equipment replacements, etc.)</p>	Holly Wetman	4/25/2023	5/10/2023	5/10/2023	https://www.pge.com/globalassets/2023/capex/2023-2025-wmp/2023-2025-wmp-19-03x3.pdf	0	NA	8.1.2	Grid Design, Operations, and Maintenance	Grid Design and System Hardening
262	CAIPA	Set WMP-19	CAIPA_Set WMP-19	4	CAIPA_Set WMP-19_Q4	<p>a) 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?</p> <p>b) 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?</p>	<p>1) Based on 2019-2022 data, the cost for vegetation management maintenance systems was approximately \$2,500 per mile. We expect to incur similar costs for vegetation management in our forecasted operating scenarios. We do not separately track an average per-circuit-mile cost incurred for vegetation management for an underground distribution line installed in the HFTD.</p> <p>2) We do not separately track costs incurred in HFTD vs. Non-HFTD for vegetation management on overhead distribution lines.</p>	Holly Wetman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/globalassets/2023/capex/2023-2025-wmp/2023-2025-wmp-19-04.pdf	0	NA	8.2	Vegetation Management and Inspections	NA
263	CAIPA	Set WMP-19	CAIPA_Set WMP-19	5	CAIPA_Set WMP-19_Q5	<p>a) State the total costs that PG&E incurred in 2022 for vegetation management on overhead distribution lines in the HFTD.</p> <p>b) State the total number of circuit-miles of overhead distribution lines that PG&E had in the HFTD as of January 1, 2022.</p>	<p>1) We do not separately track costs incurred in HFTD vs. Non-HFTD for vegetation management on overhead distribution lines.</p>	Holly Wetman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/globalassets/2023/capex/2023-2025-wmp/2023-2025-wmp-19-05.pdf	0	NA	8.2	Vegetation Management and Inspections	NA
264	CAIPA	Set WMP-19	CAIPA_Set WMP-19	6	CAIPA_Set WMP-19_Q6	<p>a) Please describe the vegetation management activities that PG&E currently undertakes on rights-of-way with underground lines in the HFTD.</p> <p>b) Please describe any strategic PG&E plans to make during the 2023-2025 WMP period regarding the vegetation management activities that PG&E plans to undertake on rights-of-way with underground lines in the HFTD.</p> <p>c) Please provide any publicly accessible, or made available, PG&E's approach to vegetation management where PG&E has underground lines in the HFTD.</p>	<p>1) Where there are no overhead electric facilities, we do not conduct routine vegetation maintenance. As part of our GIS, the PG&E System Inspection program can identify vegetation work for plant clearing and maintenance for overhead transformers and other electrical equipment.</p> <p>2) Not applicable.</p> <p>3) Not applicable.</p>	Holly Wetman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/globalassets/2023/capex/2023-2025-wmp/2023-2025-wmp-19-06.pdf	0	NA	8.2	Vegetation Management and Inspections	NA
265	CAIPA	Set WMP-19	CAIPA_Set WMP-19	7	CAIPA_Set WMP-19_Q7	<p>Pages 454-455 of PG&E's WMP describe PG&E's plan to reduce its backlog of open distribution work orders. As part of this plan, PG&E expects that it plans to eliminate the ignition-risk backlog by the end of 2023, and the non-ignition risk backlog by the end of 2025.</p> <p>a) Please describe how PG&E expects to eliminate its backlog of ignition-risk distribution work orders that exist outside the HFTD/PP&A?</p> <p>b) When does PG&E expect to eliminate its backlog of non-ignition-risk distribution work orders that exist outside the HFTD/PP&A?</p>	<p>1) The plan only applies to tags in PP&A/HFTD areas because these areas constitute 95% of the wildfire risk in our service territory.</p> <p>2) We are in the process of creating a plan for eliminating our backlog of tags outside of our PP&A/HFTD areas. Given that the PP&A/HFTD areas comprise 95% of the wildfire risk in our service territory, we are prioritizing this work in other related risk wildfire risk as quickly and efficiently as possible.</p> <p>3) Please see the response to subject (b) above.</p>	Holly Wetman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/globalassets/2023/capex/2023-2025-wmp/2023-2025-wmp-19-07.pdf	0	NA	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags
266	CAIPA	Set WMP-19	CAIPA_Set WMP-19	8	CAIPA_Set WMP-19_Q8	<p>a) 'Ignition Risk' notifications are maintenance tags that have been determined to have some form of ignition risk as a result of the non-compliance identified on the tag (e.g., conductor or structural support deficiencies). We use a combination of wildfire risk models to calculate the wildfire risk for each notification. Each notification contains one or multiple Risk Priority Change Action (RPCA) codes for determining the associated issue. A team of subject matter experts from Asset Strategy, Wildlife Risk Management, and Standards/Work Methods reviewed each notification (RPCA) and backed them into the following categories:</p> <p>1. No - Not Ignition Risk: This tag has no probability of ignition.</p> <p>2. Yes - Ignition risk, and then mapped to an associated wildfire risk model (e.g., Conductor composite model, support structure failure model, vegetation composite model). Then the associated wildfire risk score is calculated for the area based on the assigned risk model.</p> <p>Any notification with a greater than zero wildfire risk score is considered an ignition risk notification.</p> <p>b) Yes, there are some instances where a non-ignition tag can pose a public safety hazard. However, the circumstances of these issues identified do not comply with a label that could lead to a spark or ignition likelihood, which could cause a wildfire.</p> <p>c) We do not have a plan to address this issue. The most common example of a non-ignition tag would be missing high voltage used to install larger public safety signs. The most common example of a non-ignition tag would be missing high voltage used to install larger public safety signs. The most common example of a non-ignition tag would be missing high voltage used to install larger public safety signs. The most common example of a non-ignition tag would be missing high voltage used to install larger public safety signs.</p>	Holly Wetman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/globalassets/2023/capex/2023-2025-wmp/2023-2025-wmp-19-08.pdf	0	NA	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags	
267	CAIPA	Set WMP-19	CAIPA_Set WMP-19	9	CAIPA_Set WMP-19_Q9	<p>Page 893 of PG&E's WMP describes an external study that aimed: "To the weather personnel, it may be necessary to position additional weather stations in canyons and other regions where short-term winds can rapidly intensify to position additional weather stations in canyons and other regions where short-term winds can rapidly intensify."</p> <p>a) In response to this report, has PG&E assessed the need to position additional weather stations in canyons and other regions where short-term winds can rapidly intensify on rights-of-way?</p> <p>b) If the answer to part (a) is yes, please describe the results of any such assessment.</p> <p>c) In the 2023-2025 period, does PG&E plan to assess or continue assessing the need to position additional weather stations in canyons and other regions where short-term winds can rapidly intensify?</p>	<p>1) We assess the need to position weather stations in canyons, but not specifically in response to this report. The external report did not provide specific guidance on where to position weather stations. We have assessed the need to position additional weather stations during each year of the program and install weather stations where appropriate and as needed. The timing of new weather station locations is a routine part of the program and not a unique assessment that can be provided.</p> <p>2) Yes, this is part of our routine program.</p>	Holly Wetman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/globalassets/2023/capex/2023-2025-wmp/2023-2025-wmp-19-09.pdf	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-10 - Justification of Weather Station Network Density
268	CAIPA	Set WMP-19	CAIPA_Set WMP-19	10	CAIPA_Set WMP-19_Q10	<p>Table PG&E-22-1.3 on page 901 of PG&E's WMP lists the components of covered conductor evaluation. Below the table, PG&E states: "The costs in Table PG&E-22-1.3 include the components for CC that are comparable with the other (CCA) as part of the joint CO efforts. They do not include all cost components that make up our comprehensive Overhead System Hardening Program."</p> <p>a) Please describe the components of the Overhead System Hardening Program that are not included in Table PG&E-22-1.3.</p> <p>b) For each item in Table PG&E-22-1.3, including the elements noted in part (a), please provide a brief description of the work and materials that are included in each component.</p>	<p>1) The statement referenced was to simply point out that the System Hardening Program is made up of a suite of mitigation programs including Covered Conductors, Review Grid, Renewal, and Underground. The costs associated with the overhead hardening programs recorded were bundled into similar categories of our overhead hardening portfolio of our System Hardening Program. There are no additional costs associated with overhead hardening that were excluded from Table 22-1.3.</p> <p>2) Not applicable.</p>	Holly Wetman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/globalassets/2023/capex/2023-2025-wmp/2023-2025-wmp-19-10.pdf	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-11 - Covered Conductor Effectiveness Lessons Learned
269	CAIPA	Set WMP-19	CAIPA_Set WMP-19	11	CAIPA_Set WMP-19_Q11	<p>Pages 905-909 of PG&E's WMP describe PG&E's simplified wildfire risk speed efficiency (SVRSE), used to reduce its underground projects.</p> <p>Page 906 states: "For the Underpinning Program, we selected the roughly 8,000 OHM miles with the highest SVRSE to purchase roughly 10,000 miles of undergrounding."</p> <p>a) In this 8,000 SVRSE, what are the criteria that PG&E uses to determine that undergrounding is a more suitable mitigation than other options?</p> <p>b) In this 8,000 SVRSE, what are the criteria that PG&E uses to determine that undergrounding is a more suitable mitigation than other options?</p> <p>c) Does PG&E plan to underground any portion of its work with a lower SVRSE than those top 8,000 OHM miles that were selected for undergrounding (i.e., described in the table above)? Please explain your answer.</p>	<p>1) We do not have a threshold in SVRSE that we use to determine that covered conductor is a more suitable mitigation than undergrounding. SVRSE helps provide ranking of locations which have higher risk speed efficiency to mitigate wildfire risk compared to other locations and is used to assist with undergrounding. Regarding the selection of undergrounding, the amount of total risk is usually removed while covered conductor does not fully mitigate the risk.</p> <p>2) We do not have a threshold in SVRSE that we use to determine that undergrounding is a more suitable mitigation than other options. We are using the potential use of a threshold based on the cost benefit of the investment and the risk reduction benefits, as part of our longer term program.</p> <p>3) SVRSE is one of the first steps in identifying risks for Undergrounding. When we scope a location for undergrounding, we review adjacent circuit segments for consideration beyond wildfire. For example, if there is potential to remove PG&E or EP&S impact on top of the existing wildfire risk at those nearby adjacent circuit segments, we will consider upgrading the scope of the undergrounding project to address these needs. Additionally, there are other cases in which we may underground for general, not wildfire.</p>	Holly Wetman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/globalassets/2023/capex/2023-2025-wmp/2023-2025-wmp-19-11.pdf	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-04 - Review Process of Purchasing Wildfire Mitigation

Item ID	Category	Item Title	Sub-Item Title	Priority	Due Date	Responsible Party	Start Date	End Date	Current Status	Key Findings/Notes	Links	Other Info
270	CaPA	Set WMP-19	CaPA_Set WMP-19-12	12	CaPA_Set WMP-19-12	Holy Wellman	4/29/2023	4/29/2023	4/29/2023	Asset Inspections	Insulate Pole Inspectors	8.1.3.2.3
271	CaPA	Set WMP-19	CaPA_Set WMP-19-13	13	CaPA_Set WMP-19-13	Holy Wellman	4/29/2023	4/29/2023	4/29/2023	Grid Design and System Hardening	Transformer Overhead Hardening Transmission Conductor and Distribution	8.1.2.5
272	CaPA	Set WMP-19	CaPA_Set WMP-19-14	14	CaPA_Set WMP-19-14	Holy Wellman	4/29/2023	4/29/2023	4/29/2023	Grid Design, Operations, and Maintenance	8.1.8.1.3.1 Rapid Earth Fault Current Limiter	8.1.8.1.3.1
273	CaPA	Set WMP-19	CaPA_Set WMP-19-15	15	CaPA_Set WMP-19-15	Holy Wellman	4/29/2023	4/29/2023	4/29/2023	Grid Design and System Hardening	Venus	8.1.2
274	CaPA	Set WMP-19	CaPA_Set WMP-19-16	16	CaPA_Set WMP-19-16	Holy Wellman	4/29/2023	4/29/2023	4/29/2023	Appendix D	Appendix D - Areas for Continued Improvement	AD P088-2011 - Covered Conductor Effectiveness Lessons Learned
275	CaPA	Set WMP-20	CaPA_Set WMP-20-01	1	CaPA_Set WMP-20-01	Holy Wellman	4/29/2023	5/3/2023	5/3/2023	Asset Management and Inspection Enterprise System(s)		8.1.5
276	CaPA	Set WMP-20	CaPA_Set WMP-20-02	2	CaPA_Set WMP-20-02	Holy Wellman	4/29/2023	5/3/2023	5/3/2023	Grid Design and System Hardening	All	8.1.2
277	CaPA	Set WMP-20	CaPA_Set WMP-20-03	3	CaPA_Set WMP-20-03	Holy Wellman	4/29/2023	5/3/2023	5/3/2023	Grid Design and System Hardening	All	8.1.2
278	CaPA	Set WMP-20	CaPA_Set WMP-20-04	4	CaPA_Set WMP-20-04	Holy Wellman	4/29/2023	5/3/2023	5/3/2023	Asset Management and Inspection Enterprise System(s)		8.1.5
279	CaPA	Set WMP-20	CaPA_Set WMP-20-05	5	CaPA_Set WMP-20-05	Holy Wellman	4/29/2023	5/3/2023	5/3/2023	Asset Management and Inspection Enterprise System(s)		8.1.5
280	CaPA	Set WMP-20	CaPA_Set WMP-20-06	6	CaPA_Set WMP-20-06	Holy Wellman	4/29/2023	5/3/2023	5/3/2023	Asset Management and Inspection Enterprise System(s)		8.1.5
281	CaPA	Set WMP-20	CaPA_Set WMP-20-07	7	CaPA_Set WMP-20-07	Holy Wellman	4/29/2023	5/3/2023	5/3/2023	Grid Design, Operations, and Maintenance	Distribution Pole and Replacements Transformer Overhead Hardening	8.1

310	TURN	011	TURN_011	TURN_011_Q2	2	TURN_011_Q2																																									
311	TURN	011	TURN_011	TURN_011_Q3	3	TURN_011_Q3																																									
312	TURN	011	TURN_011	TURN_011_Q4	4	TURN_011_Q4																																									
313	CA/PA	Sat WMP-22	CA/PA_Sat WMP-22	CA/PA_Sat WMP-22_Q1	1	CA/PA_Sat WMP-22_Q1																																									
314	CA/PA	Sat WMP-22	CA/PA_Sat WMP-22	CA/PA_Sat WMP-22_Q2	2	CA/PA_Sat WMP-22_Q2																																									
315	CA/PA	Sat WMP-22	CA/PA_Sat WMP-22	CA/PA_Sat WMP-22_Q3	3	CA/PA_Sat WMP-22_Q3																																									

340	OEIS	004	OEIS_004	14	OEIS_004_014	<p>Regarding POGE's Use of Overhead Conductor Detection (OCD) and Partial Voltage Detection (PVD)</p> <p>a. Provide any analysis completed on reliability impacts due to OCD, including:</p> <ol style="list-style-type: none"> The number of outages that occurred due to OCD in 2022 and 2023. The number of outages broken down by cause based on ignition drivers listed in Table 6 of the QDR that occurred due to OCD in 2022 and 2023. Criteria used for OCD enhancement (if applicable). The number of total customer minutes recovered from OCD outages. <p>b. Any mitigation POGE is using to reduce reliability impacts from PVD implementation, including lessons learned from any shoring.</p> <p>c. When evaluating outages due to EPSS, are OCD and PVD outages included as part of that evaluation?</p> <p>d. If so, what is the number of additional outages caused by PVD and OCD respectively in 2022?</p> <p>e. If not, how does POGE account for and track any associated reliability and safety impacts from OCD and PVD implementation, and how does that inform changes to the two programs?</p>	<p>in Table 6 of May 4th, 2023 for 2022-2023 OCD Outages:</p> <ol style="list-style-type: none"> 17 outages have occurred with OCD settings enabled. The table below matches outage causes to the Ignition Drivers used in Table 6 of the 2022 QDR Quarterly Data Report. OCD is an additional protection element as part of EPSS. POGE will enable OCD on eligible devices when EPSS is enabled to help detect more current fault conditions. 4,723,258 Minutes. <p>b. OCD outages and circuits are already considered in our existing EPSS Reliability program. Specific to OCD, POGE is using more specific OCD settings on circuits to, where feasible, increase identification of single phase faults which will reduce outage time and restoration point of time while maintaining the ignition-traction benefit. In addition, a class of protection cause OCD outages, or with multiple OCD outages on single device, our existing and current protection circuit breakers will be the protection settings of those devices.</p> <p>c. Date of May 4th, 2023 for 2022-2023 Partial Voltage Outage (PVO):</p> <ol style="list-style-type: none"> 33 outages have occurred from PVO. The table below matches outage causes by circuit based on ignition drivers listed in Table 6 of the QDR that occurred due to PVO in 2022 is shown below. WMP-Overseer2023_DR_OEIS_004-Q01 Page 3 Partial Voltage Force Out is a manual action taken by a distribution control center operator in response to more than one partial voltage alarm detected at the bus level or above. These circuits are included in the scope of POGE's existing EPSS Reliability Mitigation programs. In addition, POGE's PV alarm configuration is designed to prevent nuisance alerts from transient conditions by sending the distribution control center operator a PV alarm when multiple meters aggregating to a bus level indicate a partial voltage condition, and further we will clear PV alarms if normal voltages return. Yes. A "OCD outage" is an EPSS outage. POGE also evaluates PVO outages. POGE regularly reports to the Board on the status of reliability and safety programs. POGE does not use a "risk-informed prioritization" when selecting wildfire mitigation. As described through the 2023 2023 WMP, and quantified in Section 17.1.2, we began developing our list of proposed mitigations by analyzing risk events, risk drivers, and consequences. Subject to and without meeting these objectives, POGE responds as follows: Please see attachment "WMP-Overseer2023_DR_OEIS_004-Q01-54601.pdf". This decision tree reflects the process we follow to further analyze our highest risk underpinning circuits included in the WMP. The process, as shown on the decision tree attachment and described below, is split into four key phases. Circuit Segment Risk Ranking (based on: First probable circuit segments in the location where wildfire risk is the highest based on the latest fireline distribution risk model (currently WDRM v2). Circuit Selection Prioritization Process (see below). Then identify identified environmental conditions that present the highest wildfire probability (using WFE) to cross segment to prioritize undergrounding the location where WFE is the highest. Feasibility Study (green boxes) First, we confirm the segment identified is already completed or included in existing work. Then, engineering review identifies opportunities to improve fireline risk and mitigate additional impacts, including opportunities to mitigate PSPS or EPSS impacts. Identify and understand the wildfire risk, identifying alternatives such as overhead, remote grid or hybrid, and confirming there are any other changes to the electric system. Field Scoping (orange boxes) Field scoping then takes place, which is focused on identifying opportunities for the proposed project, and determining if a scale or scope change is needed. If so, an alternative route is developed. Then, we sequence fieldwork tasks and begin the planning for it. An analysis of the 2023 WMP Fig. 562, POGE evaluated the statistical significance of the 2022 EPSS mitigation from the data collected on the 2022-2023 wildfire season. 	Colin Lang	5/4/2023	5/9/2023	5/9/2023	https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023 https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023 https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023	0	NA	8.1.2.10.1	Grid Design and System Hardening	Overhead Conductor Detection Devices
341	OEIS	004	OEIS_004	15	OEIS_004_015	<p>Regarding Feasibility Constraints</p> <p>POGE's final explanation of a "No" at all feasibility constraints limit the decision making of the Wildlife Governance Steering Committee on selecting a portfolio of mitigation measures that deviates from the risk informed approach. This includes:</p> <ol style="list-style-type: none"> A rewording of explanation of decision making as processed by the Wildlife Governance Steering Committee. The information between WFE and WFE. The information between WFE and WFE. <p>a. Any associated ability to prioritize due to implementing feasibility constraints</p> <p>b. A list of any projects not included within US scope due to feasibility constraints</p>	<p>1. Feasibility Study (green boxes) First, we confirm the segment identified is already completed or included in existing work. Then, engineering review identifies opportunities to improve fireline risk and mitigate additional impacts, including opportunities to mitigate PSPS or EPSS impacts. Identify and understand the wildfire risk, identifying alternatives such as overhead, remote grid or hybrid, and confirming there are any other changes to the electric system. Field Scoping (orange boxes) Field scoping then takes place, which is focused on identifying opportunities for the proposed project, and determining if a scale or scope change is needed. If so, an alternative route is developed. Then, we sequence fieldwork tasks and begin the planning for it. An analysis of the 2023 WMP Fig. 562, POGE evaluated the statistical significance of the 2022 EPSS mitigation from the data collected on the 2022-2023 wildfire season. </p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023 https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023 https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023	1	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-34 - Review Process of Posturing Wildfire Mitigation	
342	OEIS	004	OEIS_004	16	OEIS_004_016	<p>Regarding Effectiveness of EPSS</p> <p>a. Provide the formulas and calculations used by POGE to determine the effectiveness of EPSS.</p> <p>b. Provide analysis demonstrating adequate overlap between EPSS risk and wildfire risk to ensure POGE's mitigations are directly addressing wildfire risk compared to reliability.</p> <p>c. Provide POGE's rationale for ensuring EPSS-directed mitigation measures, including safety and work hours mitigated around wildfire risk mitigations. This should also include asset management related mitigations.</p>	<p>1. POGE's final explanation of a "No" at all feasibility constraints limit the decision making of the Wildlife Governance Steering Committee on selecting a portfolio of mitigation measures that deviates from the risk informed approach. This includes:</p> <ol style="list-style-type: none"> A rewording of explanation of decision making as processed by the Wildlife Governance Steering Committee. The information between WFE and WFE. The information between WFE and WFE. <p>a. Any associated ability to prioritize due to implementing feasibility constraints</p> <p>b. A list of any projects not included within US scope due to feasibility constraints</p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023 https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023 https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023	2	NA	8.1.8.1.1	Grid Design, Operations, and Maintenance	Protective Equipment and Device Settings
343	OEIS	004	OEIS_004	17	OEIS_004_017	<p>Regarding POGE's Underpinning Program</p> <p>POGE's final explanation of a "No" at all feasibility constraints limit the decision making of the Wildlife Governance Steering Committee on selecting a portfolio of mitigation measures that deviates from the risk informed approach. This includes:</p> <ol style="list-style-type: none"> A rewording of explanation of decision making as processed by the Wildlife Governance Steering Committee. The information between WFE and WFE. The information between WFE and WFE. <p>a. Any associated ability to prioritize due to implementing feasibility constraints</p> <p>b. A list of any projects not included within US scope due to feasibility constraints</p>	<p>1. POGE's final explanation of a "No" at all feasibility constraints limit the decision making of the Wildlife Governance Steering Committee on selecting a portfolio of mitigation measures that deviates from the risk informed approach. This includes:</p> <ol style="list-style-type: none"> A rewording of explanation of decision making as processed by the Wildlife Governance Steering Committee. The information between WFE and WFE. The information between WFE and WFE. <p>a. Any associated ability to prioritize due to implementing feasibility constraints</p> <p>b. A list of any projects not included within US scope due to feasibility constraints</p>	Colin Lang	5/4/2023	5/9/2023	5/10/2023	https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023 https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023 https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023	2	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
344	TURN	012	TURN_012	1	TURN_012_01	<p>1. Please confirm that the Simplified Wildfire Risk Speed Efficiency (SWRSE) and Wildlife Feasibility Expenditure (WFE) measures discussed on page 68 of POGE's WMP.</p> <p>a. Are they calculated by POGE for undergrounding projects, and</p> <p>b. Are they used to compare the cost-effectiveness of undergrounding projects with other projects?</p> <p>c. If POGE does not unequivocally agree with "a" and "b" above, please explain why it does not.</p>	<p>1. POGE's final explanation of a "No" at all feasibility constraints limit the decision making of the Wildlife Governance Steering Committee on selecting a portfolio of mitigation measures that deviates from the risk informed approach. This includes:</p> <ol style="list-style-type: none"> A rewording of explanation of decision making as processed by the Wildlife Governance Steering Committee. The information between WFE and WFE. The information between WFE and WFE. <p>a. Any associated ability to prioritize due to implementing feasibility constraints</p> <p>b. A list of any projects not included within US scope due to feasibility constraints</p>	Tom Long	5/5/2023	5/11/2023	5/11/2023	https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023 https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023 https://www.wa.gov/energy/publications/wildfire-reports/wildfire-reports-2022-2023	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-34 - Review Process of Posturing Wildfire Mitigation

345	TURN	012	TURN_012	2	TURN_012_Q2	2. Comparing the wildfire mitigation work proposed in PG&E's WMP with the wildfire mitigation work proposed in PG&E's last year 2023 GRC (A.2.1.06-021). 3. Please describe any differences in wildfire mitigation program proposed or updates of wildfire mitigation work proposed between the WMP and GRC for the years 2023-2025, and 3a. For any differences (as described in subpart 3), please provide a table that shows, on a program by program basis, the WMP program, the GRC program, and a description of the differences between the two, including additional information in volume or units of work. The table should include any wildfire mitigation programs that are proposed in one of the proceedings but not in the other.	Tom Long	5/5/2023	5/1/2023	5/1/2023	0	NA	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
346	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	1	CPUC - SPD (Safety Policy Division)_004_01	1. SPSP generally understands that some ignitions may have been excluded at the time the data was submitted if the cause of the fire was unclear. 2. Data may have been considered since additional information was accepted. 3. Data may have been entered inconsistently between years, which makes it difficult to perform analysis. 4. Update the data to the actual number of acres burned rather than a range of acres. Before submitting final agreed-upon data to VSPS, please set up a conference call to discuss the ignition data available and the accepted data that may be submitted to be more useful to VSPS.	Henry Swast	5/5/2023	5/1/2023	5/1/2023	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increases 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 ignition: 1. "PFTD" - Classify each ignition as whether it was located in a "Zone 1", "Zone 2", or "Zone 3", or "HotSpot". 2. "Fire Potential Index" - Provide the Fire Potential Index for the location on the day of each ignition.	Henry Swast	5/5/2023	5/1/2023	5/1/2023	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increases in Risk Events
348	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	3	CPUC - SPD (Safety Policy Division)_004_03	Provide the total number of circuit mile-days for each Fire Potential Index rating per year starting in 2014.	Henry Swast	5/5/2023	5/1/2023	5/1/2023	0	NA	8.3.6	Situational Awareness and Forecasting	Fire Potential Index
349	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004_04	4	CPUC - SPD (Safety Policy Division)_004_04	Provide the total number of days per year for each Fire Potential Index rating for each Index Area starting in 2014.	Henry Swast	5/5/2023	5/1/2023	5/1/2023	0	NA	8.3.6	Situational Awareness and Forecasting	Fire Potential Index
350	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	5	CPUC - SPD (Safety Policy Division)_004_05	Provide the total number of circuit mile-days for each Fire Potential Index rating in the PFTD per year starting in 2014.	Henry Swast	5/5/2023	5/1/2023	5/1/2023	0	NA	8.3.6	Situational Awareness and Forecasting	Fire Potential Index
351	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	6	CPUC - SPD (Safety Policy Division)_004_06	Explain how the ability to normalize for the effect of weather and fuel conditions when understanding its performance each year on ignitions relates to changing weather and fuel conditions year over year.	Henry Swast	5/5/2023	5/1/2023	5/1/2023	0	NA	8.3.6	Situational Awareness and Forecasting	Fire Potential Index
352	CAI&A	Set WMP-24	CAI&A_Set WMP-24	1	CAI&A_Set WMP-24_Q1	In reference to your response to Question 11 of DR CAI&A-Proc-PGE-2023-WMP-16, on the excel spreadsheet WMP-Chowroy2023_DR_016-Q011-A01011 (in Column (H) through (I)), please identify the circuits with OH to UC connection projects that have no adjacent circuits. In Column (F) (if any), please identify the adjacent circuits to the circuits with OH to UC connection projects in Table (a) through (c).	Holly Weisman	5/5/2023	5/1/2023	5/1/2023	2	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
353	MGRA	Data Request No. 5	MGRA_Data Request No. 5	1	MGRA_Data Request No. 5_Q1	In the table source of the POI data the machine learning algorithm described in WDRM documentation? If not what other steps go into the POI?	Joseph Michal	5/1/2023	5/1/2023	5/1/2023	0	NA	6.4.1.1, 6.4.2	Risk Methodology and Assessment	Generalized Maps of Top Risk Areas Writes the HFRAs Proposed Updates to HFTD
354	MGRA	Data Request No. 5	MGRA_Data Request No. 5	2	MGRA_Data Request No. 5_Q2	In the fire-gained POI distribution a result of the localization of specific historical outages, characteristics of assets or environment, or both?	Joseph Michal	5/1/2023	5/1/2023	5/1/2023	0	NA	6.4.1.1, 6.4.2	Risk Methodology and Assessment	Generalized Maps of Top Risk Areas Writes the HFRAs Proposed Updates to HFTD
355	MGRA	Data Request No. 5	MGRA_Data Request No. 5	3	MGRA_Data Request No. 5_Q3	What of the following characteristics is known or suspected to contribute to the fire-gained localization of POI shown above, and to what degree: a. Vegetation b. Tree density and height c. Asset health d. Asset age e. Underlying Mitigation history.	Joseph Michal	5/1/2023	5/1/2023	5/1/2023	0	NA	6.4.1.1, 6.4.2	Risk Methodology and Assessment	Generalized Maps of Top Risk Areas Writes the HFRAs Proposed Updates to HFTD

372	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	1	CPUC - SPD (Safety Policy Division)_005_01	<p>1.Regarding cost inherent in PG&E's undergrounding and hardening mitigation relative projects, used in calculating cost efficiency and project feasibility as described in the 2023-2025 WMP (p. 340 and p. 356), to date and looking forward</p> <p>2.What is the average cost per circuit mile for undergrounding in 2022, 2021, and 2020, in the HFTD, non-HFTD, and wilderness?</p> <p>3.What is the average cost per circuit mile expected in 2023, 2024, and 2025, in the HFTD, non-HFTD, and wilderness?</p> <p>4.If subareas a, b, c, explain expected, average year-over-year and changes.</p>	<p>1. PG&E used the following table for average cost per circuit mile for undergrounding and hardening base System (including undergrounding work and related work). All completed undergrounding circuit miles in 2022, 2021, and 2020 are in HFTD.</p> <p>Year Completed</p> <p>Base L&D Total Unit Cost (Average in \$M)</p> <p>Final L&D Total Unit Cost (Average in \$M)</p> <p>Combined L&D Total Unit Cost (Average in \$M)</p> <p>2020 \$6.21 NA \$6.21</p> <p>2021 \$4.18 \$2.21 \$2.29</p> <p>2022 \$3.48 \$4.18 \$3.77</p> <p>2. PG&E uses the following table for average cost per circuit mile, particularly for related forecasts in the Center and North Counties, as more responsible per mile than the base system having undergrounding and hardening of circuit miles in 2023, 2024, and 2025, in the HFTD, non-HFTD, and wilderness in these environments (a, b, c), expected timelines, accelerated permitting, geographic areas:</p> <p>3. The current forecasted average cost per circuit mile for undergrounding, including the Results and Base L&D, is \$3.29 million in 2023, \$3.13 million in 2024, and \$3.08 million in 2025. All planned undergrounding projects are in HFTD or high risk areas (HRA).</p> <p>4. As shown in the responses to a subarea b, the year-over-year cost has generally decreased, and is expected to further decrease, due to multiple factors as we scale the program, including but not limited to:</p> <ul style="list-style-type: none"> Economies of scale as the program knowledge and familiarity grows with our internal crews, contractors, materials suppliers, designers and many others; Undergrounding process efficiencies through lessons learned; Updating standards for design and construction, such as writing the trench and backfill specifications. <p>5. PG&E uses the following table for cost component estimates contribution to the total unit cost. These estimates are based on actual costs for completed undergrounding work in 2022-2023. This year completed projects are PG&E's best currently available representation of the cost estimating breakdown and is expected to be similar in future years.</p> <p>Cost Component Est. Contribution to Total Cost</p> <p>Material 16%</p> <p>Contractor 51%</p> <p>Overhead 10%</p> <p>Other 2%</p> <p>Franchising 1%</p> <p>L&D 1%</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	https://www.pge.com/globalassets/customer-service/undergrounding-and-hardening/undergrounding-and-hardening-cost-breakdown-2023-2025-wmp-discovery2023_DR_TURN_007-001-14201CONF.xlsx	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
373	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	2	CPUC - SPD (Safety Policy Division)_005_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). If the utility uses a different format, provide internal documentation on that format so SPD can understand the cost estimate.	<p>Kevin Miller</p> <p>5/15/2023</p> <p>6/12/2023</p> <p>6/12/2023</p> <p>https://www.pge.com/globalassets/customer-service/undergrounding-and-hardening/undergrounding-and-hardening-cost-breakdown-2023-2025-wmp-discovery2023_DR_TURN_007-001-14201CONF.xlsx</p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution					
374	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	3	CPUC - SPD (Safety Policy Division)_005_03	3. How is PG&E incorporating subsurface variability (e.g., encountering hard rock, soils, or other conditions presenting significant physical obstacles) into undergrounding cost calculations? Provide an example.	<p>Kevin Miller</p> <p>5/15/2023</p> <p>6/12/2023</p> <p>6/12/2023</p> <p>https://www.pge.com/globalassets/customer-service/undergrounding-and-hardening/undergrounding-and-hardening-cost-breakdown-2023-2025-wmp-discovery2023_DR_TURN_007-001-14201CONF.xlsx</p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution					
375	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	4	CPUC - SPD (Safety Policy Division)_005_04	4. PG&E has stated that CallTrench trench depth requirements exceeded PG&E trench depth requirements. How has this impacted costs and planning? For planning purposes, what percentage of anticipated underground circuit miles will be impacted by the CallTrench trench depth requirements for 2023-2025?	<p>Kevin Miller</p> <p>5/15/2023</p> <p>6/12/2023</p> <p>6/12/2023</p> <p>https://www.pge.com/globalassets/customer-service/undergrounding-and-hardening/undergrounding-and-hardening-cost-breakdown-2023-2025-wmp-discovery2023_DR_TURN_007-001-14201CONF.xlsx</p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution					
376	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	5	CPUC - SPD (Safety Policy Division)_005_05	5. How does service loss impact cost calculation?	<p>Kevin Miller</p> <p>5/15/2023</p> <p>6/12/2023</p> <p>6/12/2023</p> <p>https://www.pge.com/globalassets/customer-service/undergrounding-and-hardening/undergrounding-and-hardening-cost-breakdown-2023-2025-wmp-discovery2023_DR_TURN_007-001-14201CONF.xlsx</p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution					
377	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	6	CPUC - SPD (Safety Policy Division)_005_06	6. What is the estimated multiplier for conversion from overhead (OH) line to underground (UG) line (e.g., 1.25 for OH converts to 1.58 for UG)? 6. How was this conversion rate derived? 6. How was established as the accepted operating average for project planning purposes?	<p>Kevin Miller</p> <p>5/15/2023</p> <p>6/12/2023</p> <p>6/12/2023</p> <p>https://www.pge.com/globalassets/customer-service/undergrounding-and-hardening/undergrounding-and-hardening-cost-breakdown-2023-2025-wmp-discovery2023_DR_TURN_007-001-14201CONF.xlsx</p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution					
378	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	7	CPUC - SPD (Safety Policy Division)_005_07	7. On pilot projects completed to date: 7. What is the total job cost per mile? 7. What is the breakdown of project costs per mile? SPD expects to see the following components made up the costs, although SPD understands they may not be broken down in the exact format: (Scoping (e.g., primary line, secondary line, service drop)) (Design (e.g., labor, materials, other costs)) (Construction (e.g., permits, contracts, long lead materials)) (Contract (e.g., civil construction, electric construction)) (Other (e.g., direct expenses to homeowners or homeowners may complete work such as backspacing or road repair))	<p>Kevin Miller</p> <p>5/15/2023</p> <p>6/12/2023</p> <p>6/12/2023</p> <p>https://www.pge.com/globalassets/customer-service/undergrounding-and-hardening/undergrounding-and-hardening-cost-breakdown-2023-2025-wmp-discovery2023_DR_TURN_007-001-14201CONF.xlsx</p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution					
379	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	8	CPUC - SPD (Safety Policy Division)_005_08	8. Please provide WMP-Discovery2023_DR_TURN_007-001-14201CONF.xlsx, used to address TURN Data Request 5, Question 1, discussing RSE calculation for system hardening.	<p>Kevin Miller</p> <p>5/15/2023</p> <p>6/12/2023</p> <p>6/12/2023</p> <p>https://www.pge.com/globalassets/customer-service/undergrounding-and-hardening/undergrounding-and-hardening-cost-breakdown-2023-2025-wmp-discovery2023_DR_TURN_007-001-14201CONF.xlsx</p>	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution					
380	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	9	CPUC - SPD (Safety Policy Division)_005_09	9. On page 101 of the 2023-2025 WMP, PG&E states that the WDRM ignition source is "PG&E's Historical Ignition Data, 2015-2021 (approximately 2,000 non-CPUC-representable ignitions and approximately 1,500 non-representable ignitions)." 9. How is PG&E using the ~1,500 non-CPUC-representable ignitions in its risk modeling? 9. Provide the ~1,500 non-CPUC-representable ignitions data as a spreadsheet in format similar to the existing CPUC-representable ignitions data (as in DR SPD_PGAE_2023_004 and in Wilderness and Wilderness Safety (e.g., use in Fire Data).	<p>Kevin Miller</p> <p>5/15/2023</p> <p>6/12/2023</p> <p>6/12/2023</p> <p>https://www.pge.com/globalassets/customer-service/undergrounding-and-hardening/undergrounding-and-hardening-cost-breakdown-2023-2025-wmp-discovery2023_DR_TURN_007-001-14201CONF.xlsx</p>	0	NA	8.2.1	Risk Methodology and Assessment	Risk and Risk Component Identification					
381	CPUC - SPD (Safety Policy Division)	006	CPUC - SPD (Safety Policy Division)_006	1	CPUC - SPD (Safety Policy Division)_006_01	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 EP&S, Undergrounding and Covered Conductor (CC), PG&E stated that CC is probably the most "realistic" mitigation effectiveness as the effectiveness based on empirical data and cross utility collaboration. EP&S is the second most as it is based on empirical data, and that CC is the least realistic mitigation effectiveness as it is based on an SME judgement. PG&E agreed to update its undergrounding mitigation effectiveness percentage calculation to account for secondary service drop ignitions. 2. Provide this analysis or provide an update on when this analysis will be finished and under the analysis when it is finished.	<p>Kevin Miller</p> <p>5/17/2023</p> <p>5/23/2023</p> <p>5/23/2023</p> <p>https://www.pge.com/globalassets/customer-service/undergrounding-and-hardening/undergrounding-and-hardening-cost-breakdown-2023-2025-wmp-discovery2023_DR_TURN_007-001-14201CONF.xlsx</p>	0	NA	8.1.8.1.1	Grid Design, Operations, and Maintenance	Protective Equipment and Device Settings					
382	CPUC - SPD (Safety Policy Division)	006	CPUC - SPD (Safety Policy Division)_006	2	CPUC - SPD (Safety Policy Division)_006_02	2. PG&E asserted that PG&E is addressing the risk from secondary lines and service drops in part by replacing secondary lines with covered conductor and steel towered overhead lines. PG&E stated that PG&E's response to Question 4 of SPD_PGAE_2024_003 for additional description. PG&E also stated that there may need to be a change in the way that the 0% risk mitigation is only meant to apply to primary lines not over-entire within risk. PG&E wishes clarifying the information in its message? 3. In what context?	<p>Kevin Miller</p> <p>5/17/2023</p> <p>5/23/2023</p> <p>5/23/2023</p> <p>https://www.pge.com/globalassets/customer-service/undergrounding-and-hardening/undergrounding-and-hardening-cost-breakdown-2023-2025-wmp-discovery2023_DR_TURN_007-001-14201CONF.xlsx</p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution					

390	OEIS	008	OEIS_008	3	OEIS_008_03	Regarding Inspection Find Rates a. Provide PG&E's most recent find rate for distribution overhead (DF) installed and patrol inspections in the table below. Please note that inspections are not evenly distributed by quarter, so PG&E has also provided the annual find rate for each inspection type. PG&E provides a brief context about the distribution. * Find rates are counted by unique notifications, so in some cases more than one notification is present for a single structure. * Find rates for 2019 include only findings from PG&E's WSP inspections, not GO 165 inspections. * Find rates for 2020-2022 for overhead inspections allow a slightly different set of items compared to PG&E's VDR reporting. These find rates exclude findings that were made through PG&E's inspection app and are not part of the inspection program or items related to the specific risk. This data may also exclude findings from more recent inspections. The following three CPZs were not included in the WSP Discovery23, DR_SFD_008-001/Anch101.xlsx. We are currently understanding the find rate reporting for these CPZs submissions and data requests by creating a formal Job Aid for this process. We will also create a single version of data for inspections and findings. Find Rate Data Q1 Q2 Q3 Q4 Annual Find Rates 2018 0.07% 0.06% 0.07% 0.20% 0.08% 2019 0.11% 0.14% 0.17% 0.21% 0.14% 2020 0.12% 0.11% 0.11% 0.10% 0.11% 2021 0.07% 0.12% 0.10% 0.08% 0.09% 2022 0.14% 0.09% 0.12% 0.06% 0.10% DF Inspection Rates Q1 Q2 Q3 Q4 Annual Find Rates 2018 3.33% 7.37% 8.50% 14.08% 8.24% 2019 36.09% 29.45% 43.98% 38.76% 30.83% 2020 34.09% 22.11% 23.81% 22.27% 23.08% 2021 18.89% 16.19% 22.16% 25.26% 20.72%	Dakota Smith	5/25/2023	6/5/2023	6/5/2023		0	NA	8.1.3.2	Asset Inspections	Distribution Asset Inspections
391	OEIS	008	OEIS_008	4	OEIS_008_04	Regarding PG&E's responses to TURN 010 Question 4 a. Provide Attachment 1 with the following additional columns: i. Layout of the site ii. V3 Risk Score iii. V3 Risk Rank iv. If not included above, provide the V3 risk rank for the following CPZs, and explain why they are not included in the above: i. BIRLANDICK 111083100 ii. GREEN VALLEY 210115054 iii. GREEN VALLEY 210112106 iv. GREEN VALLEY 210138820 v. JAMESON 110544834 vi. LAURELES 111102201 vii. MADISON 210116008 viii. MC ATTEKAT 11011544 ix. MORGANHILL 211109398 x. NARROWS 21022222 xi. NARROWS 21022216 xii. NARROWS 21022208 xiii. NARROWS 21022748 xiv. PANORAMA 11021242 xv. PANORAMA 11021258 xvi. PANORAMA 21021261 xvii. SHINGLE SPRINGS 21091322 xviii. SHINGLE SPRINGS 21091312 ix. SILVERADO 21050852 xi. TEMPLETON 211001690	Dakota Smith	5/25/2023	5/31/2023	5/31/2023		1	NA	Appendix D	Appendix D - Assets for Continued Improvement	ACI PG&E-22-04 - Review Process of Pending Wildlife Mitigations
392	CPUC - SPD (Safety Policy Division)	008	CPUC - SPD (Safety Policy Division)_008	1/4	CPUC - SPD (Safety Policy Division)_008_01/4	SPD appreciates the timely response and provision of ignition data as requested, via WMP. Discovery23, DR_SFD_008-001/Anch101.xlsx a. What percentage of PG&E's WSP 2023-2028 underpinning projects have associated secondary or service line V3 risk in the message of each level? b. What is the rate of underpinning projects in secondary or service lines by PG&E's WSP 2023-2028 underpinning projects (i.e., for every mile of the underpinning, how many miles of secondary or service line remain)?	Kevin Miller	5/8/2023	5/31/2023	5/31/2023		1	NA	Appendix D	Appendix D - Assets for Continued Improvement	ACI PG&E-22-08 - Addressing Increases in Risk Events
393	OEIS	009	OEIS_009	1	OEIS_009_01	Q1: Regarding PG&E's Secondary and Service Lines a. What percentage of PG&E's WSP 2023-2028 underpinning projects have associated secondary or service line V3 risk in the message of each level? b. What is the rate of underpinning projects in secondary or service lines by PG&E's WSP 2023-2028 underpinning projects (i.e., for every mile of the underpinning, how many miles of secondary or service line remain)?	Dakota Smith	6/1/2023	6/8/2023	6/8/2023		0	NA	8.1.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
394	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	1	CPUC - SPD (Safety Policy Division)_009_01	100 pages 345-347 of the 2023 WMP PG&E discusses its risk reduction from underpinning work, and states this plan will allow PG&E to target risk reduction in the highest wildfire risk areas to ultimately approximately 10 percent of existing wildfire risk by the end of 2028. Please elaborate and show how PG&E calculated 10 percent wildfire risk reduction from underpinning work. a. Which year(s) of the WDRM was used? b. How much risk reduction was assumed for each year? c. How many miles of the WDRM was used? d. How one version used for some years' risk reduction and another version used for other years? e. How any other model used to calculate risk reduction and if so, how?	Kevin Miller	6/2/2023	6/8/2023	6/7/2023		1	NA	8.1.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
395	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	2	CPUC - SPD (Safety Policy Division)_009_02	2/20 pages 645 of 623 WMP PG&E states there has been a "Reduced size and duration of PSPS events" and states "This is an indicator of increased operational maturity, flexibility, and system resilience" and that claim directed toward PSPS? a. How is the first of the two metrics calculated, and PG&E's increased operational maturity, flexibility, and resilience is also relying on other processes such as EPSS (See 8.1.1)?	Kevin Miller	6/2/2023	6/8/2023	6/7/2023		0	NA	8.1.2	Public Safety Power Shutoff	Verification of Frequently De-Energized Cutside
396	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	3	CPUC - SPD (Safety Policy Division)_009_03	3/20 PG&E has the required number of personnel with required training for several categories in Table B. PG&E's Personnel Training Program for Wildfire and PSPS Events. Other tables relating to staffing indicate if the number of employees with the required training is met and reasons for not all being completed in the training of labor required provision. Why are there less than required values of personnel not completing the training?	Kevin Miller	6/2/2023	6/8/2023	6/7/2023		0	NA	8.1.3	Grid Operations and Procedures	Personnel Work Procedures and Training in Conditions of Elevated Fire Risk

397	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	4	CPUC - SPD (Safety Policy Division)_009_04	<p>PG&E is able to verify that a message was delivered to the phone number and/or email address on file for the customer of record associated with the premises identified as requested by a potential PSPS, EPSS outage, and/or outage due to a wildfire. Phone numbers and email addresses are requested at the time an account is established and are verified when a customer logs into My Account at pg&e.com on an annual basis and/or if a customer speaks with a Contact Center Customer Service Representative (CSR) and has not verified contact information in the past 60 days of CSR.</p> <p>To ensure we have the most updated contact information for customers of record, wildfire safety-related outreach material includes a standard call to action to update contact information. In addition, Business Energy Solutions Account Representatives, critical facilities and infrastructure, telecommunications and water providers and transmission level entities in high risk areas and likely to be impacted by PSPS and/or EPSS annually to confirm contact information for the purposes of outage notification. Contact information is updated through the My Account interface via regular engagement by the AFN, the CCB and Transmission and Distribution and MBL and/or DTV, customers to specify changes via email and email to encourage correct information. Customers are notified via email and text messages when updates are made or when missing or invalid contact information is documented in our Customer Care and Billing System (CCBS). Additionally, we coordinate contact information updates through our other program applications (e.g., CAREPERA and related) to run a daily sync between our Switching Application used to process these program applications and MBL database within the CCBS system. These weekly and daily processes are executed year-round to help ensure the MBL and DTV information is current. Local and state agencies and first responders are engaged by Local Government Affairs and Public Safety Specialists annually to confirm contact information independently year-over-year for the purposes of outage notification.</p> <p>The MBL and DTV customers we send email communication either by email or a postcard (if an email address is not provided by the customer) between March and August, to reinforce the importance of having up-to-date contact information on file and encourage them to provide an alternative means of contact for PSPS notifications. MBL and DTV information is updated automatically and in real-time when a customer logs into their PG&E account and updates their information or when it is provided to a PG&E representative.</p> <p>Requests to change contact information can be changed by customers via our website, when updates are processed by our department that implements changes. For example, contact information can be changed by customers via our website, when updates are processed by our department that implements changes. For example, contact information can be changed by customers via our website, when updates are processed by our department that implements changes.</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414	0	NA	8.4.4.1	Emergency Preparedness	Protocols for Emergency Communications
398	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	5	CPUC - SPD (Safety Policy Division)_009_05	<p>SPG&E issues notifications to AFN/MBL responders. How does PG&E know that these notifications are received and that contact information is up to date?</p> <p>Does PG&E have a way to corroborate/periodically verify that the contact information on file is current to help ensure such important notices are being received by the intended recipient?</p> <p>PG&E issues notifications to AFN/MBL responders. How does PG&E know that these notifications are received and that contact information is up to date? Does PG&E have a way to corroborate/periodically verify that the contact information on file is current to help ensure such important notices are being received by the intended recipient?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414	0	NA	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
399	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	6	CPUC - SPD (Safety Policy Division)_009_06	<p>PG&E monitors pre-pandemic in-person engagement. Does PG&E have data comparing pre-pandemic engagement to pandemic timeframe engagement efforts and among other things, attendance? For instance, are there metrics comparing on-SP/MBL and AFN/MBL?</p> <p>PG&E monitors pre-pandemic in-person engagement. Does PG&E have data comparing pre-pandemic engagement to pandemic timeframe engagement efforts and among other things, attendance? For instance, are there metrics comparing on-SP/MBL and AFN/MBL?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414	0	NA	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_07	<p>PG&E states that if an AFN customer does not answer the door, the notification is considered successful if a door hanger is left. What industry polystandards is PG&E following that classifies a door hanger as a successful notification?</p> <p>PG&E states that if an AFN customer does not answer the door, the notification is considered successful if a door hanger is left. What industry polystandards is PG&E following that classifies a door hanger as a successful notification?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414	0	NA	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
405	CaPA	Set WMP-26	CaPA_Set WMP-26	1	CaPA_Set WMP-26_01	<p>(a) Please describe your general process or strategy for developing load forecasts.</p> <p>(b) Do you have a written process or procedure for developing load forecasts?</p> <p>(c) If the answer to (b) is "yes," provide a copy.</p> <p>(d) If the answer to (b) is "no," explain why not.</p> <p>(a) Please describe your general process or strategy for developing load forecasts. (b) Do you have a written process or procedure for developing load forecasts? (c) If the answer to (b) is "yes," provide a copy. (d) If the answer to (b) is "no," explain why not.</p>	Holy Whisman	7/7/2023	8/10/2023	8/10/2023	https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414	2	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
406	CaPA	Set WMP-26	CaPA_Set WMP-26	2	CaPA_Set WMP-26_02	<p>(a) Do you consider load growth projections when you determine which system hardening measures to deploy for wildfire mitigation projects?</p> <p>(b) If the answer to (a) is "yes," explain how load growth projections influence your mitigation selection process.</p> <p>(c) If the answer to (a) is "no," explain why not.</p> <p>(a) Do you consider load growth projections when you determine which system hardening measures to deploy for wildfire mitigation projects? (b) If the answer to (a) is "yes," explain how load growth projections influence your mitigation selection process. (c) If the answer to (a) is "no," explain why not.</p>	Holy Whisman	7/7/2023	8/10/2023	8/10/2023	https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
407	CaPA	Set WMP-26	CaPA_Set WMP-26	3	CaPA_Set WMP-26_03	<p>(a) When you plan system hardening projects for wildfire mitigation purposes, do you design projects to accommodate forecasted load growth?</p> <p>(b) If yes, what design of load growth do you design for?</p> <p>(c) Describe your process for incorporating forecasted load growth into the design of system hardening projects (for instance, which scenarios of possible load growth are considered).</p> <p>(a) When you plan system hardening projects for wildfire mitigation purposes, do you design projects to accommodate forecasted load growth? (b) If yes, what design of load growth do you design for? (c) Describe your process for incorporating forecasted load growth into the design of system hardening projects (for instance, which scenarios of possible load growth are considered).</p>	Holy Whisman	7/7/2023	8/10/2023	8/10/2023	https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
408	CaPA	Set WMP-26	CaPA_Set WMP-26	4	CaPA_Set WMP-26_04	<p>(a) In a typical bare conductor to covered conductor conversion project, is the intention to maintain, increase, or decrease the load capacity of peak operating temperature? (b) Explain the reasoning for your response to part (a).</p> <p>(a) In a typical bare conductor to covered conductor conversion project, is the intention to maintain, increase, or decrease the load capacity of peak operating temperature? (b) Explain the reasoning for your response to part (a).</p>	Holy Whisman	7/7/2023	8/10/2023	8/10/2023	https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
409	CaPA	Set WMP-26	CaPA_Set WMP-26	5	CaPA_Set WMP-26_05	<p>(a) Are all new covered conductor installation projects designed to accommodate loads greater than current capacity for the same circuit?</p> <p>(b) If the answer to (a) is "yes," explain why not.</p> <p>(c) If the answer to (a) is "no," explain why not.</p> <p>(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 why not. (c) If the answer to (a) is "no," explain why not.</p>	Holy Whisman	7/7/2023	8/10/2023	8/10/2023	https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
410	CaPA	Set WMP-26	CaPA_Set WMP-26	6	CaPA_Set WMP-26_06	<p>(a) Are all overhead to underground conductor conversion projects designed to accommodate loads greater than current capacity for the same circuit?</p> <p>(b) If the answer to (a) is "yes," explain why not.</p> <p>(c) If the answer to (a) is "no," explain why not.</p> <p>(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 why not. (c) If the answer to (a) is "no," explain why not.</p>	Holy Whisman	7/7/2023	8/10/2023	8/10/2023	https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
411	CaPA	Set WMP-26	CaPA_Set WMP-26	7	CaPA_Set WMP-26_07	<p>Describe the challenge or advantage(s) entailed in increasing load capacity on a circuit that has previously been hardened with covered conductor.</p> <p>Describe the challenge or advantage(s) entailed in increasing load capacity on a circuit that has previously been hardened with covered conductor.</p>	Holy Whisman	7/7/2023	8/10/2023	8/10/2023	https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414 https://www.pge.com/buy_pg&e/comm/enr/414	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution

432	CaPA	Sat WMP-28	CaPA_Sat WMP-28	11	CaPA_Sat WMP-28_011	RN-POSGE-23-04 Footnote 18 on page 52 of POSGE's response states, "POSGE will develop a risk spend efficiency by isolation zone bounds and not for individual tags. We will identify groupings of EC notification in isolation zone (similar to a circuit protection zone) and sum the wildfire risk of those notifications. That sum will be divided by the sum of the average cost of those same notifications to get a risk spend efficiency for isolation zone bounds." a) How will POSGE determine the wildfire risk of individual notifications? b) How will POSGE determine the unit cost of individual notifications?	0	NA	8.1.8	Grid Operations and Procedures	NA
433	CaPA	Sat WMP-28	CaPA_Sat WMP-28	12	CaPA_Sat WMP-28_012	RN-POSGE-23-04 POSGE states that an isolation zone is "similar to a circuit protection zone" (Footnote 18 on page 52). a) Is an isolation zone identical to a circuit protection zone? b) If the answer to part (a) is no, describe the differences.	0	NA	8.1.8	Grid Operations and Procedures	NA
434	CaPA	Sat WMP-28	CaPA_Sat WMP-28	13	CaPA_Sat WMP-28_013	RN-POSGE-23-04 Page 55 of POSGE's response states, with regard to field safety assessments, "inspections can also recommend that a notification be cancelled if no further fire was created in or it is already completely cancelled." a) Describe the process by which an inspector performing a field safety assessment can recommend a notification be cancelled. b) If an inspector performing a field safety assessment recommends that a notification be cancelled, do any additional checks or verifications take place prior to cancelling the notification? c) If the answer to part (b) is no, describe each additional check or verification. d) If the answer to part (b) is no, explain why not.	0	NA	8.1.8	Grid Operations and Procedures	NA
435	CaPA	Sat WMP-28	CaPA_Sat WMP-28	14	CaPA_Sat WMP-28_014	RN-POSGE-23-04 Table RN-POSGE-23-04-6 on page 59 of POSGE's response estimates POSGE will create 10,000 level two tags in 2023, 54,000 level two tags in 2024, and 50,000 level two tags in 2025. a) How many tags will be replaced in the course of 2023? b) How many tags will be replaced in the course of 2024? c) How many tags will be replaced in the course of 2025?	0	NA	8.1.8	Grid Operations and Procedures	NA
436	CaPA	Sat WMP-28	CaPA_Sat WMP-28	15	CaPA_Sat WMP-28_015	RN-POSGE-23-04 Page 52 of POSGE's response states, "For example, we have found certain violations (i.e., violations within two feet of an insulator, and number of splices per span) do not pose an increased risk of ignition. Instead of issuing non-ignition risk improvement tags, the splices are better addressed by the asset management team as they are a potential indicator of a holistic asset health issue." a) Describe how the asset management team will address a maintenance tag that is not issued. b) Describe the circumstances under which POSGE would repair splices that do not pose an ignition risk, and describe any other maintenance tags the asset management team will address based on this indicator? c) How does POSGE's asset management team use splices as an indicator of "holistic asset health" and under what circumstances does the asset management team take action based on this indicator?	0	NA	8.1.8	Grid Operations and Procedures	NA
437	CaPA	Sat WMP-28	CaPA_Sat WMP-28	16	CaPA_Sat WMP-28_016	RN-POSGE-23-05 Page 68 of POSGE's response states, "There are 79 circuit segments that are not included in an underground plan and have not been hardened by any of these circuit segments. POSGE plans to add different circuit segments to the portfolio that could be undergrounded more affordably. POSGE manages wildfire risk on these 79 circuit segments by increasing the portfolio of Comprehensive Monitoring and Data Collection and Operational Response described above." a) How will POSGE conduct overhead hardening on the 79 circuit segments described in this section? b) If the answer to part (a) is yes, why did POSGE not take overhead hardening as a mitigation for these 79 circuit segments? c) If the answer to part (a) is no, explain why not.	0	NA	8.1.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
438	CaPA	Sat WMP-28	CaPA_Sat WMP-28	17	CaPA_Sat WMP-28_017	RN-POSGE-23-05 Table RN-POSGE-23-05-2 on page 72 of POSGE's response compares the mileage in the top 20% of WFFs, the top 20% of WDRMs, and the top 20% of WDRMs. a) How does POSGE calculate the weighted risk score for each of the top 20% of WDRMs? b) How does POSGE calculate the weighted risk score for each of the top 20% of WDRMs? c) How does POSGE calculate the weighted risk score for each of the top 20% of WDRMs? d) Does the list of circuit segments ranked by WFF incorporate risk scores from WDRMs 4-7? If yes, describe how.	0	NA	8.1.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
439	CaPA	Sat WMP-28	CaPA_Sat WMP-28	18	CaPA_Sat WMP-28_018	RN-POSGE-23-05 Page 72 of POSGE's response states, "Based on 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 POSGE calculated the effectiveness of 97.7 percent. b) Provide supporting data and worksheets for your response to part (a).	1	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
440	CaPA	Sat WMP-28	CaPA_Sat WMP-28	19	CaPA_Sat WMP-28_019	RN-POSGE-23-07 Page 103 of POSGE's response states, "The TAT was developed to fit the scope of the EIM program. With the introduction of EIM, POSGE has decided to continue the use of the TAT and will be using TAT with updated accepted assessments using the TRAQ program for the scope of EIM." a) Explain why the TAT is not appropriate for the scope of EIM. b) Describe the ways in which the TAT and TRAQ team are similar. c) Describe the ways in which the TAT and TRAQ team are different.	2	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
441	CaPA	Sat WMP-28	CaPA_Sat WMP-28	20	CaPA_Sat WMP-28_020	RN-POSGE-23-07 Page 104 of POSGE's response states, "Given that we began working with the ISA TRAQ in 2023, data does not exist to identify complete effectiveness differences between ISA TRAQ and the TAT." a) Does POSGE plan to perform a study or analysis to compare the effectiveness of the TAT and the ISA TRAQ? b) If yes, describe the study POSGE plans to perform, and the date POSGE plans to complete the study. c) If the answer to part (a) is no, please explain why not.	0	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
442	OEIS	011	OEIS_011	1	OEIS_011_01	Regarding distribution-related ground inspections a) On page 464 of the revised WMP, POSGE states that it will shift from inspecting all HFTD tier 1 distribution assets annually and tier 2 assets every three years, to inspecting severe and extreme consequence tier 1 assets annually and high consequence tier 2 assets every two years. b) Please provide the number of assets/structures (using the same asset/structure definition as WMP R2 table 8.1-3.3, page 465) located in HFTD tier 1. c) Please provide the number of assets/structures (using the same asset/structure definition as WMP R2 table 8.1-3.3, page 465) located in HFTD tier 2.	0	NA	8.1.3.1	Asset Inspections	Detailed Ground Inspection
443	OEIS	011	OEIS_011	2	OEIS_011_02	Regarding POSGE's Grid Design and Maintenance Quality Control: a) In its Revision Notice, Response, POSGE states that it is "working to integrate OC with the assessment process, the approach will include reviewing drawings to correct and update drawings" and that "review sample sizes and plans will be updated to reflect POSGE's findings." and that "review sample sizes and plans will be updated to reflect POSGE's findings." b) Describe how POSGE will integrate OC with the current and previous approaches to OC. c) Provide the estimated sample size for this approach. These sample sizes may either represent physical assets POSGE will OC or plan (e.g., POSGE will OC 3,000 conductors in asset year or the TAMP project) or how POSGE determines the sample size for OC (i.e., the criteria for when and where POSGE performs OC). d) Describe the performance metrics POSGE will use to evaluate the OC and any supporting data.	0	NA	8.1.6	Quality Assurance and Quality Control	NA

461	CEIS	014	CEIS_014	2	CEIS_014_Q2	<p>Q2: Regarding backlog risk reduction a Provide PG&E's calculations for risk reduction percentages broken down annually for both the initial open lag risk reduction targets at PG&E's Table PG&E-1.2.1 (PG&E's original 2023-2025 WMP as filed with its Supplemental Revision Notice) compared to the revised Table PG&E-1.2.2 (PG&E's latest 2023-2025 WMP as filed with its Supplemental Revision Notice) (Response to Q55). The most effective allocation of PG&E's calculation for risk reduction, as well as both its reduction in risk units and overall risk impact.</p> <p>b) Provide PG&E's overall calculation for risk reduction percentages for its original 2023-2025 WMP year for addressing backlog compared to PG&E's new plan for addressing backlog outlined in the Supplemental Revision Notice (Response to Q55). The allocation should be measured from values in response to Questions 6 and 7, as they may not follow GDO's requirements due to backlog. This should include a discussion of how PG&E's calculations for risk reduction, as well as both its reduction in risk units and overall risk impact.</p> <p>c) Explain the difference between the percent risk units and the % risk impact as shown in Table PG&E-23-04.2 (p. 20) (For instance, 2023 has a 48 percent risk unit reduction, but only a 4.2 percent risk impact reduction).</p>	Dakota Smith	10/6/2023	10/1/2023	10/11/2023	0	NA	8.1.7	Open Work Orders	NA
462	MGRA	Data Request No. 7	MGRA_Data Request No. 7	1	MGRA_Data Request No. 7_Q1	<p>Please list the titles and qualifications of the team members on the Public Safety Readiness team. Specifically please note the level of experience team members have in:</p> <p>a) General modeling using Technovision or other simulation tools</p> <p>b) Traffic control and evacuation modeling</p> <p>c) Wildfire firefighting and suppression</p> <p>Please include any specific work experience or accomplishments.</p>	Joseph Michael	10/9/2023	10/12/2023	10/12/2023	0	NA	8.4.1	Emergency Preparedness	Protocols for Emergency Communications
463	MGRA	Data Request No. 7	MGRA_Data Request No. 7	2	MGRA_Data Request No. 7_Q2	<p>Are ingress and egress concerns determined solely by the potential for falling poles or does the PSS team also analyze the potential of entrapment by lost moving utilities and/or displaced conductors?</p>	Joseph Michael	10/9/2023	10/12/2023	10/12/2023	0	NA	8.1.3	Asset Inspections	NA
464	MGRA	Data Request No. 7	MGRA_Data Request No. 7	3	MGRA_Data Request No. 7_Q3	<p>How representative is the proxy PSS score of the entire circuit? Specifically:</p> <p>a) How many hardening projects are there per circuit? Provide a distribution if possible.</p> <p>b) What fraction does the hardening project typically take up of the circuit? Provide a distribution if possible.</p> <p>c) How many ERS crews are determined and how these crews compare against WORM v3.</p> <p>d) In PSS ingress/egress scoring used as an element incorporated into the risk model (or at least as an independent decision tree branch) or:</p> <p>a. What fraction of underground projects rely on PSS ingress/egress scores to make the determination to underground?</p> <p>b) Provide the fraction for cases where it was only an advisory statement and</p> <p>c) Provide the fraction for cases where PSS ingress/egress was only one of many factors used in the determination to underground.</p>	Joseph Michael	10/9/2023	10/12/2023	10/12/2023	1	NA	8.1.3	Asset Inspections	NA
465	CaPA	Set WMP-30	CaPA_Set WMP-30	1	CaPA_Set WMP-30_Q1	<p>The data request relates to PG&E's Wildfire Distribution Risk Model version 4 (hereinafter referred to as "WORM v4") 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.</p> <p>a) Please list all distinct risk scores generated by PG&E's WORM v4. For example, WORM v4 generated 17 different risk scores. 4.</p> <p>b) For each risk score in part (a), please provide a category or brief description of the type of risk the score represents.</p> <p>c) For each risk score in part (a), please provide a brief explanation of how PG&E intends to use that risk score.</p> <p>d) For each risk score in part (a), please list all PG&E wildfire mitigation initiatives that are informed by that risk score.</p> <p>e) For each risk score in part (a), please state the most granular level available for that risk score. For example, if WORM v4's most granular level available would be the risk scores associated with individual 100m x 100m poles.</p> <p>f) For each risk score in part (a), please state the granularity at which the risk score is used to inform wildfire mitigation initiatives (e.g. management, circuit, individual asset, etc.).</p>	Holy Wetman	10/11/2023	10/26/2023	10/26/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
466	CaPA	Set WMP-30	CaPA_Set WMP-30	2	CaPA_Set WMP-30_Q2	<p>The data request relates to PG&E's Wildfire Distribution Risk Model version 4 (hereinafter referred to as "WORM v4") 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.</p> <p>a) Please list all composite (or aggregate) risk scores generated by PG&E's WORM v4. For example, WORM v4 generated five composite risk scores.</p> <p>b) For each risk score in part (a), please provide a category or brief description of the type of risk the score represents.</p> <p>c) For each risk score in part (a), please provide a brief explanation of how PG&E intends to use that risk score.</p> <p>d) For each risk score in part (a), please list all PG&E wildfire mitigation initiatives that are informed by that risk score.</p> <p>e) For each risk score in part (a), please state the most granular level available for that risk score.</p> <p>f) For each risk score in part (a), please state the granularity at which the risk score is used to inform wildfire mitigation initiatives (e.g. circuit segment, circuit, individual asset, etc.).</p>	Holy Wetman	10/11/2023	10/26/2023	10/26/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
467	CaPA	Set WMP-30	CaPA_Set WMP-30	3	CaPA_Set WMP-30_Q3	<p>The following questions refer to the risk scores generated from WORM v4. This should be understood to refer to PG&E's responses to questions 1 and 2 above.</p> <p>Please provide a GDS file that details the most granular level (as discussed in questions 1(a) and 2(a)) available for each risk score identified in questions 1(a) and 2(a). This file should contain the following:</p> <p>(a) Component features detailing the most granular level available for each risk score. This may be polygons that depict "links," lines that depict circuit segments, points that depict assets, or other geometry that best suits the highest risk scores.</p> <p>(b) Multiple risk scores across geometry (i.e., multiple risk scores that are calculated at the "pole" level), there is no need to include multiple layers that depict the same physical geometry.</p> <p>(c) For each geometry feature, please include all relevant risk scores from questions 1(a) and 2(a) as sublayers.</p>	Holy Wetman	10/11/2023	10/26/2023	10/26/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA

465	CaPA	Set WMP-30	CaPA_Set WMP-30	4	CaPA_Set WMP-30_04	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&E's responses to questions 1 and 2 above.</p> <p>Please provide a GDS file that details the risk scores at the same granularity that is currently used to inform wildfire mitigation measures (as discussed in questions 1(f) and 2(f)). This file should contain the following information: (a) Geometric features detailing the relevant geometry for each risk score; (b) The file should include the following "points" that depict critical segments, points that depict assets, or other geometry that best suits the relevant scenario; (c) Multiple risk scores that are used to inform mitigation measures at the circuit segment level; there is no need to include multiple layers that depict the same physical geometry; (d) For each geometric feature, please include all relevant risk scores from questions 1(a) and 2(a) as attributes; (e) For each geometric feature, include the circuit segment name as an attribute; (f) For each geometric feature, include the circuit name as an attribute; (g) For each geometric feature, include the circuit segment name as an attribute; (h) If a feature includes unique identification for each geometric feature (e.g., asset ID, substation name, etc.)</p>	<p>(i)-(j) As stated in the response to Questions 001 - 003, the WDRM v4 is not currently available. PG&E plans to make the model information available with the 2025 WMP Update.</p>	Holly Wetman	10/11/2023	10/26/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
469	CaPA	Set WMP-30	CaPA_Set WMP-30	5	CaPA_Set WMP-30_05	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&E's responses to questions 1 and 2 above.</p> <p>Please provide a spreadsheet that lists (a) rows) each circuit segment that is included in the Wildfire Distribution Risk Model v4. This spreadsheet should include, at a minimum, the following columns:</p> <p>(a) Name of 10 number of each circuit segment</p> <p>(b) Name of the circuit that each segment is part of</p> <p>(c) Circuit ID for the circuit that each segment is part of</p> <p>(d) Nominal voltage</p> <p>(e) The point count of the circuit segment. (Cal Advocates understands this to be the number of 100m x 100m pixels captured by the WDRM v4 along the length of the circuit segment.)</p> <p>(f) The average risk value(s) associated with each pixel along the circuit segment. (In previous versions of the risk model, this was referred to as the "Mean MVI" or "Mean Risk.")</p> <p>(g) Total circuit-miles on the circuit segment.</p> <p>(h) Total Tar 1 overhead circuit-miles on the circuit segment.</p> <p>(i) Total Tar 2 overhead circuit-miles on the circuit segment.</p> <p>(j) Total Tar 3 overhead circuit-miles on the circuit segment.</p> <p>(k) Total underground circuit-miles on the circuit segment.</p> <p>(l) Total Tar 2 underground circuit-miles on the circuit segment.</p> <p>(m) Total Tar 3 underground circuit-miles on the circuit segment.</p> <p>(n) Each risk score from a separate and distinct column identified in question 1(f) that is used at the circuit-segment level to inform wildfire mitigation measures. (May require multiple columns.)</p> <p>(o) For each component risk score, specify its category and label (column identified in question 2(a) that is used at the circuit-segment level to inform wildfire mitigation measures.)</p>	<p>(i)-(j) As stated in the response to Questions 001 - 004, the WDRM v4 is not currently available. PG&E plans to make the model information available with the 2025 WMP Update.</p>	Holly Wetman	10/11/2023	10/26/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
470	CaPA	Set WMP-30	CaPA_Set WMP-30	6	CaPA_Set WMP-30_06	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&E's responses to questions 1 and 2 above.</p> <p>Has the E3 or another entity performed an independent review of the WDRM v4?</p> <p>(a) If the answer to part (a) is yes, please provide a copy of any report and report from the independent review of the WDRM v4?</p> <p>(b) If the answer to part (a) is no, does PG&E plan to have E3 or a similar entity perform an independent review of the WDRM v4?</p> <p>(c) If the answer to part (b) is no, please explain why not.</p> <p>(d) If the answer to part (b) is yes, when does PG&E expect the review to be completed?</p>	<p>(i)-(j) The WDRM v4 currently under review by E3. PG&E expects that the E3 review will be completed and available with the 2025 WMP Update.</p>	Holly Wetman	10/11/2023	10/26/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
471	CaPA	Set WMP-30	CaPA_Set WMP-30	7	CaPA_Set WMP-30_07	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&E's responses to questions 1 and 2 above.</p> <p>Has PG&E created a detailed overview document that details the WDRM v4, similar to the "2021 Wildfire Distribution Risk Model Overview" that PG&E submitted following the public workshop held on October 5 and 6, 2021?</p> <p>(a) If the answer to part (a) is yes, please provide a copy of the document.</p> <p>(b) If the answer to part (a) is no, does PG&E plan to create such a document?</p> <p>(c) If the answer to part (b) is no, please explain why not.</p> <p>(d) If the answer to part (b) is yes, when does PG&E expect the document to be completed?</p>	<p>(i)-(j) As stated in the response to Questions 001 - 005, the WDRM v4 is not currently available. PG&E plans to make the model information available with the 2025 WMP Update. PG&E anticipates preparing a similar document as part of the 2025 WMP Update.</p>	Holly Wetman	10/11/2023	10/26/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
472	CaPA	Set WMP-30	CaPA_Set WMP-30	8	CaPA_Set WMP-30_08	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&E's responses to questions 1 and 2 above.</p> <p>Pages 75 of PG&E's 2023-2025 Wildfire Mitigation Plan Supplemental Response to Revision Notice, September 27, 2023, states: "When we begin using the WDRM v4 and incorporating it with the WBCA (Wildfire Benefits Cost Analysis), risk ranking and project prioritization will include wildfire risk reduction, reliability benefits, public safety, and other factors that we will include in our wildfire risk model. We will also include in our wildfire risk model an "environmental impact" and other factors that we will include in our wildfire risk model." (Emphasis added.)</p> <p>(a) Does the WDRM v4 include an estimation of reliability benefits, as discussed in the above quote? Please explain if yes.</p> <p>(b) Does the WDRM v4 include an estimation of public safety, as discussed in the above quote? Please explain if yes.</p> <p>(c) Does the WDRM v4 include an estimation of project costs, as discussed in the above quote? Please explain if yes.</p>	<p>(i)-(j) The WDRM v4 scope does not include the estimated benefits requested in parts a, b, and c. Reliability benefits, public safety, and project costs will be considered as part of the WBCA and are part of the WDRM v4.</p>	Holly Wetman	10/11/2023	10/26/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
473	CaPA	Set WMP-31	CaPA_Set WMP-31	1	CaPA_Set WMP-31_01	<p>The following questions pertain to PG&E's 2023 - 2025 WMP Revision 3, submitted on September 27, 2023, Section 8.1.7 - Open Work Orders.</p> <p>On page 530 of your 2023 - 2025 WMP R3, PG&E provided a table (Table 8-6-1) showing the total number of past due transmission asset work orders by age and HFTD for: "Please provide an updated version of Table 8-6-1, as of September 30, 2023."</p> <p>Number of Past Due Transmission Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area</p> <p>0 - 30 Days</p> <p>31 - 60 Days</p> <p>61 - 90 Days</p> <p>91 - 180 Days</p> <p>181+ Days</p> <p>Non - HFTD</p> <p>HFTD Tar 1</p> <p>HFTD Tar 2</p> <p>HFTD Tar 3</p>	<p>Please see the table below for the requested information.</p> <p>Number of Past Due Transmission Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area 0 - 30 Days 31 - 60 Days 91 - 180 Days 181+ Days</p> <p>Non - HFTD 1877 334 2447 1647 59</p> <p>HFTD Tar 1 145 450 1165 1143</p> <p>HFTD Tar 2 65 54 98 835</p>	Holly Wetman	10/12/2023	10/26/2023	10/25/2023	0	NA	8.1.7	Open Work Orders	NA
474	CaPA	Set WMP-31	CaPA_Set WMP-31	2	CaPA_Set WMP-31_02	<p>The following questions pertain to PG&E's 2023 - 2025 WMP Revision 3, submitted on September 27, 2023, Section 8.1.7 - Open Work Orders.</p> <p>On page 530 of your 2023 - 2025 WMP R3, PG&E provided a table (Table 8-6-1) showing the total number of past due distribution asset work orders by age and HFTD for: "Please provide an updated version of Table 8-6-1, as of September 30, 2023."</p> <p>Number of Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area</p> <p>0 - 30 Days</p> <p>31 - 60 Days</p> <p>61 - 90 Days</p> <p>91 - 180 Days</p> <p>181+ Days</p> <p>Non - HFTD</p> <p>HFTD Tar 1</p> <p>HFTD Tar 2</p>	<p>Please see the table below for the requested information.</p> <p>Number of Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area 0 - 30 Days 31 - 60 Days 91 - 180 Days 181+ Days</p> <p>Non - HFTD 18,424 38,127 41,327 203,643</p> <p>HFTD Tar 1 2,323 15,872 25,158 85,801</p> <p>HFTD Tar 2 239 289 847 63,907</p>	Holly Wetman	10/12/2023	10/26/2023	10/25/2023	0	NA	8.1.7	Open Work Orders	NA
475	CaPA	Set WMP-31	CaPA_Set WMP-31	3	CaPA_Set WMP-31_03	<p>The following questions pertain to PG&E's 2023 - 2025 WMP Revision 3, submitted on September 27, 2023, Section 8.1.7 - Open Work Orders.</p> <p>On page 531 of your 2023 - 2025 WMP R3, PG&E stated with regard to distribution asset work orders: "PG&E is in the process of providing the number of past due asset work orders, categorized by age, in the HFTD from 01/2020 through 01/2023."</p> <p>(a) Please list the reasons why PG&E was unable to provide the number of past due asset work orders, categorized by age, in the HFTD for the stated dates.</p> <p>(b) Please list any steps PG&E has taken to improve its ability to provide the number of past due asset work orders, categorized by age, in the HFTD.</p>	<p>(i) At the time of filing the 2023 - 2025 WMP, PG&E did not have the capability to extract the data at the granularity requested. Therefore, PG&E was unable to provide the number of past due asset work orders, categorized by age, in the HFTD from 01/2020 through 01/2023. PG&E has improved its data extraction capabilities and is now able to provide this data at the requested granularity. This capability has improved its ability to provide additional data monthly and is being automated. PG&E is currently working on the automation of this process. This semi-automated process will now allow us to pull data more easily and at the granularity requested.</p>	Holly Wetman	10/12/2023	10/26/2023	10/25/2023	0	NA	8.1.7	Open Work Orders	NA
476	CaPA	Set WMP-31	CaPA_Set WMP-31	4	CaPA_Set WMP-31_04	<p>The following questions pertain to PG&E's 2023 - 2025 WMP Revision 3, submitted on September 27, 2023, Section 8.1.7.2 - Open Work Orders - Distribution Tags in PG&E's 2023 - 2025 WMP R3 discuss a subset of open work orders referred to as "ignition-tag" tags. Please provide a table similar to Table 8-8-1 for all past due ignition-tag, distribution asset work orders by age and HFTD for: "Please provide an updated version of Table 8-8-1, as of September 30, 2023."</p> <p>Number of "Ignition Risk" Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area</p> <p>0 - 30 Days</p> <p>31 - 60 Days</p> <p>61 - 90 Days</p> <p>91 - 180 Days</p> <p>181+ Days</p> <p>Non - HFTD</p> <p>HFTD Tar 1</p> <p>HFTD Tar 2</p>	<p>Please see the table below for the requested information.</p> <p>Number of "Ignition Risk" Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area 0 - 30 Days 31 - 60 Days 91 - 180 Days 181+ Days</p> <p>Non - HFTD 33 25 454 2,077</p> <p>HFTD Tar 1 1,931 1,428 23,605 60,512</p> <p>HFTD Tar 2 146 193 635 127</p>	Holly Wetman	10/12/2023	10/26/2023	10/25/2023	0	NA	8.1.7	Open Work Orders	NA
477	CPUC - SPD (Safety Policy Division)	011	CPUC - SPD (Safety Policy Division)_011	1	CPUC - SPD (Safety Policy Division)_011_01	<p>Please calculate and justify Table 8-10-1 of PG&E's 2023-2025 Wildfire Mitigation Plan (WMP) Supplemental Response to Revision Notice.</p>	<p>In Critical Issue 8W-PG&E-23-05, PG&E explained that in response to the Commission decision in the Risk-Driven Decision-Making Framework CR# (RDFM) 1 we are in the process of conducting a benefit-cost model. The model will incorporate an assessment of the mitigation decision-making process into an analytical model. CR# calls for the Wildfire Benefits Cost Analysis (WBCA) tool. In 8W-PG&E-23-05 PG&E provided an example of the output from the WBCA model for the proposed distribution asset work orders. (Table 8-10-1 of PG&E-23-05.) PG&E responded to an Energy Safety Data Request asking for more information about the WBCA. In that response, PG&E submitted the WBCA. PG&E has not been fully developed, approved, or implemented within PG&E. PG&E has explained that the employee who submitted the WBCA is not currently available. The WBCA is being developed by support PG&E's 10-year (SB 84) underwriting plan we are working towards the WBCA for all substations in SC&A. We are currently working with the WBCA to inform project selection for PG&E's long-term underwriting plan and future WMPs. Because the WBCA is still in development, PG&E is not in position to respond to either of the requests in this comment.</p>	Henry Dawd	10/12/2023	10/17/2023	10/17/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment

404	CaPA	Set WMP-34	CaPA_Set WMP-34	4	CaPA_Set WMP-34_04	<p>PG&E's 2023 WMP RI, p. 1048, states "Name changes including the absorption of CPZs into others resulting in the following table are being implemented for the 2023 WMP RI. Name changes include the following: ... [List of name changes]</p> <p>At least one PG&E's circuit segment naming convention when a segmenting device is installed or other grid change occurs (e.g., a segmenting device on a CPZ into and then the period after which the name change would go into effect (e.g., immediately after grid change, end of month, and end of year, etc.).</p> <p>At least one PG&E's circuit segment naming convention when a segmenting device is installed or other grid change occurs (e.g., immediately after grid change, end of month, and end of year, etc.).</p> <p>At least one PG&E's circuit segment naming convention when a segmenting device is installed or other grid change occurs (e.g., immediately after grid change, end of month, and end of year, etc.).</p> <p>At least one PG&E's circuit segment naming convention when a segmenting device is installed or other grid change occurs (e.g., immediately after grid change, end of month, and end of year, etc.).</p>	Justin Hegler	1/12/2023	1/22/2024	1/22/2024	https://www.pge.com/Pages/Files/CPZs/CPZs-2023-2025-DR_California/CPZs-2023-2025-DR_California-034-0006A01.xlsx	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
405	CaPA	Set WMP-34	CaPA_Set WMP-34	5	CaPA_Set WMP-34_05	<p>Provide an Excel spreadsheet of information on HPFT and HPFT-HRA boundaries, existing as of January 1, 2022 (do not include the following information in response to this question):</p> <ul style="list-style-type: none"> (a) Circuit ID (b) Circuit Name (c) City (d) County (e) Division (e.g., Los Padres Division) (f) How PG&E has selected EPSS settings on any part of the circuit? (g) Total Customers (h) Number of CPOs contained on the circuit (i) Circuit SAIDI for 2016 (j) Circuit SAIDI for 2017 (k) Circuit SAIDI for 2018 (l) Circuit SAIDI for 2019 (m) Circuit SAIFI for 2017 (n) Circuit SAIFI for 2018 (o) Circuit SAIFI for 2019 (p) Circuit SAIFI for 2020 (q) Circuit SAIFI for 2021 (r) Circuit SAIFI for 2022 <p>At least one WMP RI question.</p>	Justin Hegler	1/12/2023	1/22/2024	1/22/2024	https://www.pge.com/Pages/Files/HPFT/HPFT-HRA-Boundaries-2023-2025-DR_California/HPFT-HRA-Boundaries-2023-2025-DR_California-034-0006A01.xlsx	1	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
406	CaPA	Set WMP-34	CaPA_Set WMP-34	6	CaPA_Set WMP-34_06	<p>Please describe the data presented in question 5 into performance metrics based on SAIDI and SAIFI. (An example table is included below the question's subpart 1.)</p> <p>(a) Of the distribution circuits listed in response to Question 5, identify in an Excel spreadsheet format, the best performing (i.e., circuits experiencing the least number of sustained outage) 25% circuits by average combined SAIFI for years 2017 to 2019 in each of your divisions.</p> <p>(b) Of the distribution circuits listed in response to Question 5, identify in an Excel spreadsheet format the worst performing (i.e., circuits experiencing the largest duration of sustained outages) 25% circuits by average combined SAIFI for years 2017 to 2019 in each of your divisions.</p> <p>(c) Of the distribution circuits listed in response to Question 5, identify in an Excel spreadsheet format the best performing (i.e., circuits experiencing the longest duration of sustained outages) 25% circuits by average combined SAIDI for years 2017 to 2019 in each of your divisions.</p> <p>(d) Of the distribution circuits listed in response to Question 5, identify in an Excel spreadsheet format the worst performing (i.e., circuits experiencing the largest duration of sustained outages) 25% circuits by average combined SAIDI for years 2017 to 2019 in each of your divisions.</p>	Justin Hegler	1/12/2023	1/22/2024	1/22/2024	https://www.pge.com/Pages/Files/SAIDI-SAIFI/SAIDI-SAIFI-2023-2025-DR_California/SAIDI-SAIFI-2023-2025-DR_California-034-0006A01.xlsx	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
407	CaPA	Set WMP-34	CaPA_Set WMP-34	7	CaPA_Set WMP-34_07	<p>Provide an Excel table that lists (a) each sustained outage that occurred from January 1, 2017 through December 31, 2022 on any of the circuits identified in your response to Question 5. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> (a) Outage ID (b) Circuit Name (c) Circuit ID (d) Division (e) City (f) County (g) FPL #/No Light (h) Cause (Court of Customers Experiencing Sustained Outages) (i) Customer Misuse (j) Cause (If known) <p>At least one WMP RI question.</p>	Justin Hegler	1/12/2023	1/22/2024	1/22/2024	https://www.pge.com/Pages/Files/Sustained-Outages-2023-2025-DR_California/Sustained-Outages-2023-2025-DR_California-034-0006A01.xlsx	2	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
408	CaPA	Set WMP-34	CaPA_Set WMP-34	8	CaPA_Set WMP-34_08	<p>Provide an Excel table that lists (a) each sustained outage that occurred from January 1, 2017 through December 31, 2022 on any of the circuits identified in your response to Question 5. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> (a) Outage ID (b) Circuit Name (c) Circuit ID (d) Division (e) City (f) County (g) FPL #/No Light (h) Cause (Court of Customers Experiencing Sustained Outages) (i) Customer Misuse (j) Cause (If known) <p>At least one WMP RI question.</p>	Justin Hegler	1/12/2023	1/22/2024	1/22/2024	https://www.pge.com/Pages/Files/Sustained-Outages-2023-2025-DR_California/Sustained-Outages-2023-2025-DR_California-034-0006A01.xlsx	1	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
409	CaPA	Set WMP-34	CaPA_Set WMP-34	9	CaPA_Set WMP-34_09	<p>Regarding PG&E's 2021 Reliability Report, PG&E stated "Basic reliability projects have been initiated on Garberville 1101 circuit to reverse the impacts of EPSS... and taking a more surgical approach in applying EPSS settings when the circuit is in a state of risk."</p> <p>However, PG&E did not report an EPSS outage for Garberville 1101 in 2021. PG&E's first reported outage on Garberville 1101 was on July 24, 2022. How was this outage avoided?</p>	Justin Hegler	1/12/2023	1/19/2024	1/19/2024	https://www.pge.com/Pages/Files/Reliability-2023-2025-DR_California/Reliability-2023-2025-DR_California-034-0006A01.xlsx	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
500	CaPA	Set WMP-34	CaPA_Set WMP-34	10	CaPA_Set WMP-34_10	<p>Regarding PG&E's 2021 Reliability Report, PG&E stated "Basic reliability projects have been initiated on Obier 1102 circuit to minimize the impacts of EPSS... and taking a more surgical approach in applying EPSS settings when the circuit is in a state of risk."</p> <p>However, PG&E did not report an EPSS outage for Obier 1102 in 2021. PG&E's first reported outage on Obier 1102 was on August 10, 2022. How was this outage avoided?</p>	Justin Hegler	1/12/2023	1/19/2024	1/19/2024	https://www.pge.com/Pages/Files/Reliability-2023-2025-DR_California/Reliability-2023-2025-DR_California-034-0006A01.xlsx	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
501	CaPA	Set WMP-34	CaPA_Set WMP-34	11	CaPA_Set WMP-34_011	<p>In PG&E's November 2023 EPSS Monthly report, PG&E reports that there have been 28 outages on EPSS-enabled transmission lines (EPSS) outages in the year to date.</p> <p>At least one WMP RI question.</p>	Justin Hegler	1/12/2023	1/19/2024	1/19/2024	https://www.pge.com/Pages/Files/EPSS-Monthly-2023-2025-DR_California/EPSS-Monthly-2023-2025-DR_California-034-0006A01.xlsx	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
502	CaPA	Set WMP-35	CaPA_Set WMP-35	1	CaPA_Set WMP-35_01	<p>In Table 9.2 of PG&E's 2023-2025 WMP RI submitted January 8th, 2024, PG&E indicates that system boundaries to be planned for certain frequency de-energized circuits. Please indicate Table 9.2 providing the completed information per year and quarter for each of the initiative actions listed in the rightmost column ("Measure A" through "Measure D") to be taken to reduce the number of frequency de-energized circuits. If the measure is completed or underway, please provide a status.</p>	Franky Leo	2/7/2024	2/29/2024	2/29/2024	https://www.pge.com/Pages/Files/Frequency-De-Energized-Circuits-2023-2025-DR_California/Frequency-De-Energized-Circuits-2023-2025-DR_California-034-0006A01.xlsx	0	NA	8.1.2	Identification of Frequently De-Energized Circuits	NA
503	CaPA	Set WMP-36	CaPA_Set WMP-36	1	CaPA_Set WMP-36_01	<p>PG&E provided the following table in the response to California PGE 2023 WMP RI question 3:</p> <p>Please provide an updated table showing actual values for 2023 and forecast values for 2024, with the EVM transitional programs disaggregated into the three initiatives described in PG&E's response to California PGE 2023 WMP RI question 3. The table should include the following information:</p> <ul style="list-style-type: none"> 1) Name 2) Forecasted Total Impedance 3) WMP for Operational Mitigation 	Franky Leo	3/6/2024	3/29/2024	3/29/2024	https://www.pge.com/Pages/Files/Operational-Mitigation-2023-2025-DR_California/Operational-Mitigation-2023-2025-DR_California-034-0006A01.xlsx	0	NA	NA	NA	NA
504	CaPA	Set WMP-36	CaPA_Set WMP-36	2	CaPA_Set WMP-36_02	<p>Please disaggregate the data in Table 11 of PG&E's 2023 Q4 ODR such that there is one row per utility Initiatives Tracking ID for each row. If this is not possible, please explain why and clarify the methodology for grouping certain tracking IDs.</p>	Franky Leo	3/6/2024	3/29/2024	3/29/2024	https://www.pge.com/Pages/Files/Utility-Initiatives-Tracking-ID-2023-2025-DR_California/Utility-Initiatives-Tracking-ID-2023-2025-DR_California-034-0006A01.xlsx	0	NA	ODR	NA	NA
504	CaPA	Set WMP-36	CaPA_Set WMP-36	25h	CaPA_Set WMP-36_025h	<p>Please disaggregate the data in Table 11 of PG&E's 2023 Q4 ODR such that there is one row per utility Initiatives Tracking ID for each row. If this is not possible, please explain why and clarify the methodology for grouping certain tracking IDs.</p>	Franky Leo	3/6/2024	4/9/2024	4/9/2024	https://www.pge.com/Pages/Files/Utility-Initiatives-Tracking-ID-2023-2025-DR_California/Utility-Initiatives-Tracking-ID-2023-2025-DR_California-034-0006A01.xlsx	2	NA	ODR	NA	NA

505	CaPA	Sat WMP-36	CaPA_Sat WMP-36	3	CaPA_Sat WMP-36_03	<p>Table 7 of PG&E's 2023 O&M does not reflect the planned or actual net addition or removal values reported in Table 8.</p> <p>As Please provide clarification on how PG&E responds and uses the term "fully infrastructure upgrades".</p> <p>By the date published version 3.2, these values should show "in or out of state". Please explain the negative values reported for metric number 1.3.3.1 in O&M and GH 2023.</p>	Franky Liao	38/2024	3/9/2024	3/9/2024	https://www.pge.com/~/media/Files/2024/04/09/2023-2024-System-Handling-Work-Program-Update-03-09-2024.pdf	0	NA	QDR	NA	NA
506	CaPA	Sat WMP-36	CaPA_Sat WMP-36	4	CaPA_Sat WMP-36_04	<p>Table 9 of PG&E's 2023 O&M does not reflect the planned or actual net addition or removal values reported in Table 8.</p> <p>As Please provide clarification on how PG&E responds and uses the term "fully infrastructure upgrades".</p> <p>By the date published version 3.2, these values should show "in or out of state". Please explain the negative values reported for metric number 1.3.3.1 in O&M and GH 2023.</p>	Franky Liao	38/2024	3/9/2024	3/9/2024	https://www.pge.com/~/media/Files/2024/04/09/2023-2024-System-Handling-Work-Program-Update-03-09-2024.pdf	0	NA	QDR	NA	NA
507	CaPA	Sat WMP-40	CaPA_Sat WMP-40	1	CaPA_Sat WMP-40_01	<p>PG&E issues on page 23 of its 2023 WMP Update regarding its workplan for undergrounding and covered conductor projects.</p> <p>PG&E is currently relying on workplan for both overhead and undergrounding projects through the end of the GRC period (2026) to account for the deferral provided in D-23-11-069. As we include the workplan, we include the approach described in the latest 2023-2024 WMP (including updated additional work in the workplan to account for unforeseen delays to individual projects such as property access, weather, permitting, and right-of-way acquisition, in-state or out-of-state). Thus, a portion of the projects included in the workplan may not be completed. Finally, additional projects may be identified and added to the workplan going forward for completion between 2023 and 2026.</p> <p>(a) Please identify PG&E's intended cost recovery venue for the aforementioned overhead and undergrounding projects not completed in the 2023-26 timeframe.</p> <p>(b) Please identify PG&E's intended cost recovery venue for the aforementioned overhead and undergrounding projects not completed in the 2023-26 timeframe.</p> <p>(c) Please identify PG&E's intended cost recovery venue for the aforementioned "additional projects" that may be identified and added to the workplan.</p>	Mike Gordon	45/2024	4/10/2024	4/10/2024	https://www.pge.com/~/media/Files/2024/04/09/2023-2024-System-Handling-Work-Program-Update-03-09-2024.pdf	0	NA	6.1.2	Section 8.1.2 - Grid Design and System Handling	8.1.2.2 Undergrounding of electric lines and/or equipment
508	CaPA	Sat WMP-40	CaPA_Sat WMP-40	2	CaPA_Sat WMP-40_02	<p>PG&E issues on page 23 of its 2023 WMP Update regarding its workplan for undergrounding projects.</p> <p>PG&E is currently relying on workplan for both overhead and undergrounding projects through the end of the GRC period (2026) to account for the deferral provided in D-23-11-069.</p> <p>Additional PG&E's latest 2023-2024 WMP at page 608 state annual undergrounding mileage targets or forecasts: 350 miles in 2023, 250 miles in 2024, 330 miles in 2025, and 440 miles in 2026.</p> <p>At D-23-11-069 state annual risk reduction targets to be achieved by undergrounding 4 of the 2023-2026 WMP period as a whole. Does PG&E currently expect to fall short of, meet, or exceed the risk reduction target established in the GRC proceeding?</p> <p>(a) According to PG&E's current workplan, what is the amount of risk reduction that PG&E expects to achieve in 2023 due to undergrounding projects?</p> <p>(b) How does your answer to part (a) compare to the risk reduction target established in D-23-11-069?</p> <p>(c) According to PG&E's current workplan, what is the amount of risk reduction that PG&E expects to achieve in 2024 due to undergrounding projects?</p> <p>(d) How does your answer to part (c) compare to the risk reduction target established in D-23-11-069?</p> <p>(e) Does PG&E anticipate completely additional undergrounding mileage in 2023-2026 beyond the GRC-authorized 1,230 undergrounding miles?</p> <p>(f) Yes, please provide the number of miles and PG&E's intended cost recovery venue for said miles.</p>	Mike Gordon	45/2024	4/10/2024	4/10/2024	https://www.pge.com/~/media/Files/2024/04/09/2023-2024-System-Handling-Work-Program-Update-03-09-2024.pdf	0	NA	8	Section 8.1.2 - Grid Design and System Handling	8.1.2.2 Undergrounding of electric lines and/or equipment
509	CaPA	Sat WMP-40	CaPA_Sat WMP-40	3	CaPA_Sat WMP-40_03	<p>PG&E issues on page 23 of its 2023 WMP Update regarding its workplan for covered conductor projects.</p> <p>PG&E is currently relying on workplan for both overhead and undergrounding projects through the end of the GRC period (2026) to account for the deferral provided in D-23-11-069.</p> <p>Additional PG&E's latest 2023-2024 WMP at page 608 state annual undergrounding mileage targets or forecasts: 350 miles in 2023, 250 miles in 2024, 330 miles in 2025, and 440 miles in 2026.</p> <p>At D-23-11-069 state annual risk reduction targets to be achieved by installing covered conductor. In the 2023-2026 WMP period as a whole, does PG&E currently expect to fall short of, meet, or exceed the risk reduction target established in the GRC proceeding?</p> <p>(a) According to PG&E's current workplan, what is the amount of risk reduction that PG&E expects to achieve in 2023 due to covered conductor projects?</p> <p>(b) How does your answer to part (a) compare to the risk reduction target established in D-23-11-069?</p> <p>(c) According to PG&E's current workplan, what is the amount of risk reduction that PG&E expects to achieve in 2024 due to covered conductor projects?</p> <p>(d) How does your answer to part (c) compare to the risk reduction target established in D-23-11-069?</p> <p>(e) Does PG&E anticipate completely additional covered conductor mileage in 2023-2026 beyond the GRC-authorized 178 covered conductor miles?</p> <p>(f) Yes, please provide the number of miles and PG&E's intended cost recovery venue for said miles.</p>	Mike Gordon	45/2024	4/10/2024	4/10/2024	https://www.pge.com/~/media/Files/2024/04/09/2023-2024-System-Handling-Work-Program-Update-03-09-2024.pdf	0	NA	8	Section 8.1.2 - Grid Design and System Handling	8.1.2.1 Covered Conductor Installation - Distribution
510	CaPA	Sat WMP-40	CaPA_Sat WMP-40	4	CaPA_Sat WMP-40_04	<p>PG&E issues on page 23 of its 2023 WMP Update. PG&E proposes to add a 2023 target (System Handling - Transmission Conductor Segment Replacement (SHR) 1.1) to perform conductor segment replacement on two transmission lines.</p> <p>(a) What are the abbreviated work requested and authorized in PG&E's Year 2023 GRC?</p> <p>(b) Yes, please provide the eWork and page number in PG&E's Year 2023 GRC workplan that discusses the work, as well as the relevant Near Activity Type (MAT) code codes.</p> <p>(c) Yes, please provide the full authorized funding amount for the program as set forth in D-23-11-069, with a breakdown of the funding by project.</p>	Mike Gordon	45/2024	4/10/2024	4/10/2024	https://www.pge.com/~/media/Files/2024/04/09/2023-2024-System-Handling-Work-Program-Update-03-09-2024.pdf	0	NA	8	Section 8.1.2 - Grid Design and System Handling	8.1.2.5.1 Traditional Overhead Handing - Transmission Conductor
511	CaPA	Sat WMP-40	CaPA_Sat WMP-40	5	CaPA_Sat WMP-40_05	<p>PG&E issues on page 3 of its 2023 WMP update that is introducing a new evaluation of its Wildfire Distribution Risk Model (WDRM), called WDRM v4.1 data. The update from the WDRM v4 are expected to inform some risk prioritized, short-cycle work in 2025 and other risk-prioritized long-cycle work in 2026 and beyond.</p> <p>(a) Please identify which WMP initiative for which WDRM v4.1 is expected to "inform risk-prioritized long-cycle work in 2025" and beyond?</p> <p>(b) When will WDRM v4.1 begin to inform the scoping and execution of undergrounding projects?</p> <p>(c) When does PG&E expect to begin conducting undergrounding projects that are impacted using WDRM v4.1?</p> <p>(d) When will WDRM v4.1 begin to inform the scoping and execution of covered conductor projects?</p> <p>(e) When does PG&E expect to begin conducting covered conductor projects that are impacted using WDRM v4.1?</p>	Mike Gordon	45/2024	4/10/2024	4/10/2024	https://www.pge.com/~/media/Files/2024/04/09/2023-2024-System-Handling-Work-Program-Update-03-09-2024.pdf	0	NA	6	Section 8 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
512	CaPA	Sat WMP-40	CaPA_Sat WMP-40	6	CaPA_Sat WMP-40_06	<p>PG&E issues on page 3 of its 2023 WMP update that is introducing a new evaluation of its Wildfire Distribution Risk Model (WDRM), called WDRM v4.1 data. The update from the WDRM v4 are expected to inform some risk prioritized, short-cycle work in 2025 and other risk-prioritized long-cycle work in 2026 and beyond.</p> <p>(a) Please identify which WMP initiative for which WDRM v4.1 is expected to "inform risk-prioritized long-cycle work in 2025" and beyond?</p> <p>(b) When will WDRM v4.1 begin to inform the scoping and execution of undergrounding projects?</p> <p>(c) When does PG&E expect to begin conducting undergrounding projects that are impacted using WDRM v4.1?</p> <p>(d) When will WDRM v4.1 begin to inform the scoping and execution of covered conductor projects?</p> <p>(e) When does PG&E expect to begin conducting covered conductor projects that are impacted using WDRM v4.1?</p>	Mike Gordon	45/2024	4/10/2024	4/10/2024	https://www.pge.com/~/media/Files/2024/04/09/2023-2024-System-Handling-Work-Program-Update-03-09-2024.pdf	0	NA	6	Section 8 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
513	CaPA	Sat WMP-40	CaPA_Sat WMP-40	7	CaPA_Sat WMP-40_07	<p>PG&E issues on page 31 of its 2023 WMP Update that is responsive to ACO PG&E 23-03 - Unloading Grid Handing Condition Making. PG&E is developing a WBCA (Wildfire Benefit Cost Analysis) tool to incorporate cost effectiveness components, including transmission line cost and transmission efficiency calculations. PG&E further states that undergrounding projects "supported with WBCA in 2024 and 2025 will likely have a completion date in 2027 or later."</p> <p>(a) Will the WBCA tool be used to scope any projects that are tracked in the System Handling Accountability Reporting System (SHARS) under D-23-11-069?</p> <p>(b) The answer to part (a) is yes, please explain how this tool will be identified in the SHARS.</p> <p>(c) The answer to part (a) is yes, please identify any changes to the SHARS template (e.g. adding fields) that would need to be made to include the necessary information to track such projects.</p> <p>(d) Does PG&E expect to request any changes to the SHARS to facilitate tracking projects supported using the WBCA? Please explain your rationale.</p>	Mike Gordon	45/2024	4/10/2024	4/10/2024	https://www.pge.com/~/media/Files/2024/04/09/2023-2024-System-Handling-Work-Program-Update-03-09-2024.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACO PG&E-23-03 - Unloading Grid Handing System - O&M

514	CaPA	Set WMP-41	CaPA_Set WMP-41	1	CaPA_Set WMP-41_01	1	CaPA_Set WMP-41_01	1	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
515	CaPA	Set WMP-41	CaPA_Set WMP-41	2	CaPA_Set WMP-41_02	2	CaPA_Set WMP-41_02	2	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
516	CaPA	Set WMP-41	CaPA_Set WMP-41	3	CaPA_Set WMP-41_03	3	CaPA_Set WMP-41_03	3	2	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
517	CaPA	Set WMP-41	CaPA_Set WMP-41	4	CaPA_Set WMP-41_04	4	CaPA_Set WMP-41_04	4	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
518	CaPA	Set WMP-41	CaPA_Set WMP-41	5	CaPA_Set WMP-41_05	5	CaPA_Set WMP-41_05	5	1	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
519	CaPA	Set WMP-41	CaPA_Set WMP-41	6	CaPA_Set WMP-41_06	6	CaPA_Set WMP-41_06	6	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
520	CaPA	Set WMP-41	CaPA_Set WMP-41	7	CaPA_Set WMP-41_07	7	CaPA_Set WMP-41_07	7	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
521	CaPA	Set WMP-41	CaPA_Set WMP-41	8	CaPA_Set WMP-41_08	8	CaPA_Set WMP-41_08	8	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
522	CaPA	Set WMP-41	CaPA_Set WMP-41	9	CaPA_Set WMP-41_09	9	CaPA_Set WMP-41_09	9	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
523	MDRA	Data Request No. 9	MDRA_Data Request No. 9	1	MDRA_Data Request No. 9_01	1	MDRA_Data Request No. 9_01	1	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-25 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
524	MDRA	Data Request No. 9	MDRA_Data Request No. 9	2	MDRA_Data Request No. 9_02	2	MDRA_Data Request No. 9_02	2	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-25 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
525	MDRA	Data Request No. 9	MDRA_Data Request No. 9	3	MDRA_Data Request No. 9_03	3	MDRA_Data Request No. 9_03	3	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-25 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
526	MDRA	Data Request No. 9	MDRA_Data Request No. 9	4	MDRA_Data Request No. 9_04	4	MDRA_Data Request No. 9_04	4	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-25 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements

541	CaPA	Set WMP-42	CaPA_Set WMP-42	3	CaPA_Set WMP-42_03	<p>Page 7 of PG&E's 2025 WMP Update states, with regard to PG&E's distribution event probability models, the following efforts were made to improve assets, lightning, and outage data quality:</p> <ul style="list-style-type: none"> 1) List and explain the significant efforts discussed above. 	<p>Holly Wetman</p> <p>4/9/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p>https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Set%20WMP-42.pdf</p>	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
542	CaPA	Set WMP-42	CaPA_Set WMP-42	4	CaPA_Set WMP-42_04	<p>Table PG&E-B.1.1.1 on page 8 of PG&E's 2025 WMP Update indicates that WORM of include wind direction in its vegetation models.</p> <ul style="list-style-type: none"> a) Describe how wind direction is incorporated in the vegetation models in WORM v4. b) List the data sources that PG&E uses to incorporate wind direction into its risk model. c) Describe the benefits of incorporating wind direction into the risk model. 	<p>Holly Wetman</p> <p>4/9/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p>https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Set%20WMP-42.pdf</p>	0	NA	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
543	CaPA	Set WMP-42	CaPA_Set WMP-42	5	CaPA_Set WMP-42_05	<p>Page 16 of PG&E's 2025 WMP Update states, "In the WORM system, we conducted this newly conservative correction by applying a remaining strength of 92% (equivalent to Condition Code 2) to reinforced poles, in order to provide more accurate results."</p> <p>State the basis for applying a remaining strength of 92% to reinforced poles.</p>	<p>Holly Wetman</p> <p>4/9/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p>https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Set%20WMP-42.pdf</p>	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
544	CaPA	Set WMP-42	CaPA_Set WMP-42	6	CaPA_Set WMP-42_06	<p>Page 17 of PG&E's 2025 WMP Update states, "When viewed on a line weighted basis, the relative average risk of each transmission line can be viewed for heights. It should be noted that these risk weighted values will tend to be higher than values based on length."</p> <ul style="list-style-type: none"> a) Does PG&E plan to correct for the fact that risk weighted values tend to highlight short lines? b) If the answer to part (a) is no, explain the metrics PG&E plans to use. c) If the answer to part (a) is no, explain why not. 	<p>Holly Wetman</p> <p>4/9/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p>https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Set%20WMP-42.pdf</p>	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
545	CaPA	Set WMP-42	CaPA_Set WMP-42	7	CaPA_Set WMP-42_07	<p>Page 24 of PG&E's 2025 WMP Update states that PG&E is adjusting target PS-3 (Reduce PSPS Impacts to Customers) in 2025 downward by 40% to account for a 40% decrease in underground cables.</p> <p>Does PG&E expect a similar reduction in the number of EPSS customer events mitigated in 2025? Explain your answer.</p>	<p>Holly Wetman</p> <p>4/9/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p>https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Set%20WMP-42.pdf</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 Effectiveness Analysis for EPSS Modeling Implementation of DCD
546	CaPA	Set WMP-42	CaPA_Set WMP-42	8	CaPA_Set WMP-42_08	<p>Page 29 of PG&E's 2025 WMP Update states that PG&E's 2025 forecast capital expenditure associated with the transmission line system, specific to EPSS-related outage events, is expected to increase by \$1.8 million over the 2023 forecast.</p> <p>At least 10 percent or more of the total cost of the top 10 capital risk circuits, segments, or spans? If yes, please provide the data in the format of Table 1.1 in section 1.1 of the 2025 Wildlife Mitigation Plan Update Guidelines for both WORM v4 and v5.</p> <p>At least 10 percent or more of EPSS risk into or out of the top 10 capital risk circuits, segments, or spans? If yes, please provide the data in the format of Table 1.2 in section 1.1 of the 2025 Wildlife Mitigation Plan Update Guidelines for both WORM v4 and v5.</p> <p>Please explain why PG&E's capital forecast for 2025 will increase by a factor of 5.8 while the outage will increase by a factor of 4.</p>	<p>Holly Wetman</p> <p>4/9/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p>https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Set%20WMP-42.pdf</p>	0	NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures
547	CaPA	Set WMP-42	CaPA_Set WMP-42	9	CaPA_Set WMP-42_09	<p>In comparison to PG&E's WORM v3, does WORM v4:</p> <ul style="list-style-type: none"> a) At least 10 percent or more of ignition into or out of the top 10 capital risk circuits, segments, or spans? If yes, please provide the data in the format of Table 1.1 in section 1.1 of the 2025 Wildlife Mitigation Plan Update Guidelines for both WORM v4 and v5. b) At least 10 percent or more of EPSS risk into or out of the top 10 capital risk circuits, segments, or spans? If yes, please provide the data in the format of Table 1.2 in section 1.1 of the 2025 Wildlife Mitigation Plan Update Guidelines for both WORM v4 and v5. 	<p>Holly Wetman</p> <p>4/9/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p>https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Set%20WMP-42.pdf</p>	1	NA	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
548	CaPA	Set WMP-43	CaPA_Set WMP-43	1	CaPA_Set WMP-43_01	<p>Does this not appear to be an option of covered conductor with both EPSS and DCD?</p> <ul style="list-style-type: none"> a) Did PG&E consider an alternative that consisted of covered conductor with EPSS and DCD? b) If the answer to part (a) is yes, why is this option not included as one of the possible alternatives in the WBCA? c) If the answer to part (a) is no, why not? 	<p>Holly Wetman</p> <p>4/12/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p>https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Set%20WMP-43.pdf</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Old Hetering Decision Making
549	CaPA	Set WMP-43	CaPA_Set WMP-43	2	CaPA_Set WMP-43_02	<p>The identified average effectiveness for alternative 3 (REFCL with covered conductor, EPSS, and DCD) is lower than the effectiveness for alternative 4 (covered conductor with EPSS).</p> <ul style="list-style-type: none"> a) Why does the effectiveness for alternative 3 appear lower than alternative 4, although alternative 3 appears to have more mitigation techniques? 	<p>Holly Wetman</p> <p>4/12/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p>https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Set%20WMP-43.pdf</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Old Hetering Decision Making

550	CaPA	Set WMP-43	CaPA_Set WMP-43	3	CaPA_Set WMP-43_03	Let the assumptions unique to each of the test alternatives.	<p>The assumptions for each of the 10 alternatives are as follows:</p> <p>Alt. 1 - Baseline There are no assumed outages or ignition reductions in the Baseline scenario.</p> <p>Alt. 2 - Underground Primary All primary overhead outages for lines that are underground are mitigated. 100% of ignition risk is reduced. Secondary/conductor phase-to-phase outage ignition reduction is significant, however, there is still a chance for contact failure. Secondary/conductor phase-to-ground ignition reduction is less than average. No additional ignition risk reduction is achieved via enhanced settings.</p> <p>Alt. 3 - Underground All All primary and secondary overhead outages for lines that are underground are mitigated. 100% of ignition risk is reduced. No additional ignition risk reduction is achieved via enhanced settings.</p> <p>Alt. 4 - Covered Conductor (CC) Overhead with EPSS and DCC Phase-to-phase outage risk is mostly reduced, but overhead conductor still leaves potential for ignition. Phase-to-ground and line-to-ground outage ignition risk less than average. Secondary/conductor phase-to-phase outage ignition reduction is significant, however, there is still a chance for contact failure. Secondary/conductor phase-to-ground outage ignition risk reduction was less than average. Additional ignition risk mitigation is achieved via enhanced settings.</p> <p>Alt. 5 - Bare Conductor (Rebuild) with EPSS and DCC Replacing overhead conductors, including removing splices & replacing laments, reduced most of the risk of phase conductor ignition types, however, there is still potential for ignition. There is a phase-to-phase and phase-to-ground outage ignition reduction. Additional ignition risk mitigation is achieved via enhanced settings.</p> <p>Alt. 6 - Low Resistance Return Grid All primary overhead outages are mitigated, there are no overhead ignition events. Secondary/conductor phase-to-phase outage ignition risk reduction is significant, however, there is still a chance for contact failure. Secondary/conductor phase-to-ground ignition risk reduction is less than average. No additional ignition risk reduction is achieved via enhanced settings.</p>	Holy Wellman	4/12/2024	4/17/2024	4/17/2024	https://www.pge.com/Files/Utility/Reports/2023/04/17/2023-04-17-CAPAs-43-03.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 – Updating Grid Hardening Decision Making
551	CaPA	Set WMP-43	CaPA_Set WMP-43	4	CaPA_Set WMP-43_04	<p>The table notes "All of these effectiveness values represent a blended average effectiveness at the circuit segment level with the exception of Alt. 3 - REFL, CC Overhead, EPSS and DCC which is a substation effectiveness score. For all substations are capable of having REFL, applied, and I cannot be isolated to a circuit segment only."</p> <p>Alt. 1) Substation effectiveness score - Is the substation effectiveness score for substations where REFL could not be applied? (If the answer to part (b) is yes, state the basis for the assumption.) Alt. 2) Does the low PG&E would implement alternative 3 on circuits served by substations where REFL could not be applied?</p>	<p>1) Substation effectiveness score - Is the substation effectiveness score for substations where REFL could not be applied? (If the answer to part (b) is yes, state the basis for the assumption.)</p> <p>2) Does the low PG&E would implement alternative 3 on circuits served by substations where REFL could not be applied?</p>	Holy Wellman	4/12/2024	4/26/2024	4/17/2024	https://www.pge.com/Files/Utility/Reports/2023/04/17/2023-04-17-CAPAs-43-04.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 – Updating Grid Hardening Decision Making
552	CaPA	Set WMP-43	CaPA_Set WMP-43	5	CaPA_Set WMP-43_05	<p>Alternative 6 is the only alternative that appears to include PG&E.</p> <p>Alt. 1) PG&E considered in any of the other alternatives? Alt. 2) Is there any other alternative that appears to include more mitigation techniques? Alt. 3) PG&E not considered in any of the other alternatives? Alt. 4) PG&E not considered in any of the other alternatives?</p>	<p>Alt. 1) PG&E considered in any of the other alternatives? Alt. 2) Is there any other alternative that appears to include more mitigation techniques? Alt. 3) PG&E not considered in any of the other alternatives? Alt. 4) PG&E not considered in any of the other alternatives?</p>	Holy Wellman	4/12/2024	4/26/2024	4/17/2024	https://www.pge.com/Files/Utility/Reports/2023/04/17/2023-04-17-CAPAs-43-05.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 – Updating Grid Hardening Decision Making
553	CaPA	Set WMP-43	CaPA_Set WMP-43	6	CaPA_Set WMP-43_06	<p>The table notes "Not all substations are capable of having REFL applied, and I cannot be isolated to a circuit segment only."</p> <p>Alt. 1) PG&E not considered in any of the other alternatives? Alt. 2) Is there any other alternative that appears to include more mitigation techniques? Alt. 3) PG&E not considered in any of the other alternatives? Alt. 4) PG&E not considered in any of the other alternatives?</p>	<p>Alt. 1) PG&E not considered in any of the other alternatives? Alt. 2) Is there any other alternative that appears to include more mitigation techniques? Alt. 3) PG&E not considered in any of the other alternatives? Alt. 4) PG&E not considered in any of the other alternatives?</p>	Holy Wellman	4/12/2024	4/26/2024	4/17/2024	https://www.pge.com/Files/Utility/Reports/2023/04/17/2023-04-17-CAPAs-43-06.pdf	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 – Updating Grid Hardening Decision Making
554	CaPA	Set WMP-43	CaPA_Set WMP-43	7	CaPA_Set WMP-43_07	<p>The table lists the assumption "Mitigation effectiveness for other Environmental caused outages. None for Overhead and All for Underground."</p> <p>Alt. 1) PG&E not considered in any of the other alternatives? Alt. 2) Is there any other alternative that appears to include more mitigation techniques? Alt. 3) PG&E not considered in any of the other alternatives? Alt. 4) PG&E not considered in any of the other alternatives?</p>	<p>Alt. 1) PG&E not considered in any of the other alternatives? Alt. 2) Is there any other alternative that appears to include more mitigation techniques? Alt. 3) PG&E not considered in any of the other alternatives? Alt. 4) PG&E not considered in any of the other alternatives?</p>	Holy Wellman	4/12/2024	4/26/2024	4/17/2024	https://www.pge.com/Files/Utility/Reports/2023/04/17/2023-04-17-CAPAs-43-07.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 – Updating Grid Hardening Decision Making
555	CaPA	Set WMP-43	CaPA_Set WMP-43	8	CaPA_Set WMP-43_08	<p>The table lists the assumption "Analysis assumes no Overhead degradation for 10% of the asset"</p> <p>Alt. 1) PG&E not considered in any of the other alternatives? Alt. 2) Is there any other alternative that appears to include more mitigation techniques? Alt. 3) PG&E not considered in any of the other alternatives? Alt. 4) PG&E not considered in any of the other alternatives?</p>	<p>Alt. 1) PG&E not considered in any of the other alternatives? Alt. 2) Is there any other alternative that appears to include more mitigation techniques? Alt. 3) PG&E not considered in any of the other alternatives? Alt. 4) PG&E not considered in any of the other alternatives?</p>	Holy Wellman	4/12/2024	4/17/2024	4/17/2024	https://www.pge.com/Files/Utility/Reports/2023/04/17/2023-04-17-CAPAs-43-08.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 – Updating Grid Hardening Decision Making
556	CaPA	Set WMP-43	CaPA_Set WMP-43	9	CaPA_Set WMP-43_09	<p>The table lists the assumption "EPSS and DCC are only active when conditions are greater than R1."</p> <p>Alt. 1) PG&E not considered in any of the other alternatives? Alt. 2) Is there any other alternative that appears to include more mitigation techniques? Alt. 3) PG&E not considered in any of the other alternatives? Alt. 4) PG&E not considered in any of the other alternatives?</p>	<p>Alt. 1) PG&E not considered in any of the other alternatives? Alt. 2) Is there any other alternative that appears to include more mitigation techniques? Alt. 3) PG&E not considered in any of the other alternatives? Alt. 4) PG&E not considered in any of the other alternatives?</p>	Holy Wellman	4/12/2024	4/17/2024	4/17/2024	https://www.pge.com/Files/Utility/Reports/2023/04/17/2023-04-17-CAPAs-43-09.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 – Updating Grid Hardening Decision Making
557	CaPA	Set WMP-43	CaPA_Set WMP-43	10	CaPA_Set WMP-43_10	<p>Page 66 of PG&E's 2023 WMP Update Notes. The Joint Utilities have met monthly in 2023 to discuss the results of recorded and estimated effectiveness for covered conductor.</p> <p>Alt. 1) PG&E not considered in any of the other alternatives? Alt. 2) Is there any other alternative that appears to include more mitigation techniques? Alt. 3) PG&E not considered in any of the other alternatives? Alt. 4) PG&E not considered in any of the other alternatives?</p>	<p>Alt. 1) PG&E not considered in any of the other alternatives? Alt. 2) Is there any other alternative that appears to include more mitigation techniques? Alt. 3) PG&E not considered in any of the other alternatives? Alt. 4) PG&E not considered in any of the other alternatives?</p>	Holy Wellman	4/12/2024	4/17/2024	4/17/2024	https://www.pge.com/Files/Utility/Reports/2023/04/17/2023-04-17-CAPAs-43-10.pdf	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-08 - Continuation of Grid Hardening Joint Studies
558	CaPA	Set WMP-43	CaPA_Set WMP-43	10a	CaPA_Set WMP-43_10a	<p>Cal Advociates requested results of meetings held in 2023 regarding the effectiveness for covered conductor. PG&E's responses appear to be identical to the Joint IOU CC report from its 2023-2025 Base WMP (2023-04-17_PGE_2023_WMP_R0_Appends D, ACI PG&E-23-11_Archive.pdf, provided to OESB March 2023), and does not include results of meetings held in 2023.</p> <p>Alt. 1) PG&E not considered in any of the other alternatives? Alt. 2) Is there any other alternative that appears to include more mitigation techniques? Alt. 3) PG&E not considered in any of the other alternatives? Alt. 4) PG&E not considered in any of the other alternatives?</p>	<p>Cal Advociates requested results of meetings held in 2023 regarding the effectiveness for covered conductor. PG&E's responses appear to be identical to the Joint IOU CC report from its 2023-2025 Base WMP (2023-04-17_PGE_2023_WMP_R0_Appends D, ACI PG&E-23-11_Archive.pdf, provided to OESB March 2023), and does not include results of meetings held in 2023.</p> <p>Alt. 1) PG&E not considered in any of the other alternatives? Alt. 2) Is there any other alternative that appears to include more mitigation techniques? Alt. 3) PG&E not considered in any of the other alternatives? Alt. 4) PG&E not considered in any of the other alternatives?</p>	Holy Wellman	4/12/2024	4/24/2024	4/24/2024	https://www.pge.com/Files/Utility/Reports/2023/04/17/2023-04-17-CAPAs-43-10a.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-08 - Continuation of Grid Hardening Joint Studies

572	CAI	Set WMP-44	CAI_Sat WMP-44	2	CAI_Sat WMP-44-02	Page 54 of PG&E's 2025 WMP Update states, "To determine circuit segment-level mitigation effectiveness, the WBCA will adjust for the outage combinations likely to occur on a given circuit segment, their estimated frequency, and their contribution to overall risk on the circuit segment." a) Please describe the methods used in the WBCA to adjust for the outage combinations likely to occur on a given circuit segment. b) Please describe the methods used in the WBCA to adjust for the estimated frequency of outage combinations as a given circuit segment. c) Please describe the methods used in the WBCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.	4/15/2024	4/18/2024	4/18/2024	https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating O&M Metering Decision Matrix
573	CAI	Set WMP-44	CAI_Sat WMP-44	3	CAI_Sat WMP-44-03	Page 54 of PG&E's 2025 WMP Update states, "To determine circuit segment-level mitigation effectiveness, the WBCA will adjust for the outage combinations likely to occur on a given circuit segment, their estimated frequency, and their contribution to overall risk on the circuit segment." a) Please describe the methods used in the WBCA to adjust for the outage combinations likely to occur on a given circuit segment. b) Please describe the methods used in the WBCA to adjust for the estimated frequency of outage combinations as a given circuit segment. c) Please describe the methods used in the WBCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.	4/15/2024	4/18/2024	4/18/2024	https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating O&M Metering Decision Matrix
574	CAI	Set WMP-44	CAI_Sat WMP-44	4	CAI_Sat WMP-44-04	Page 16 of PG&E's 2025 WMP Update discusses Underwriting versus Overhead Metering. Underwriting is a method to assess transmission risk reduction, but it takes longer and costs more to install. PG&E will conduct an analysis of the transmission and distribution system to determine the estimated remaining useful life of its assets." a) How does PG&E consider the remaining life of assets when evaluating benefits of underwriting, which is faster to deploy? b) In the answer to part (a) in red, please provide any applicable analysis relevant to the condition of PG&E's transmission and distribution system assets.	4/15/2024	4/18/2024	4/18/2024	https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating O&M Metering Decision Matrix
575	CAI	Set WMP-44	CAI_Sat WMP-44	5	CAI_Sat WMP-44-05	Page 27 of PG&E's 2025 WMP Update states, "Regarding cost effectiveness scores, the underlying projects in PG&E's current portfolio were previously assessed using a methodology (WDRM V2) that did not incorporate cost effectiveness scores for individual projects. Therefore, cost effectiveness scores are not available." a) Define the term "underlying projects" in the above statement. b) PG&E used the response from WDRM v2 to calculate the cost effectiveness scores for all projects in PG&E's current portfolio. c) In the answer to part (b) in red, explain why the cost effectiveness scores for all projects in PG&E's current portfolio were not available. d) Does PG&E plan to use the update from WDRM v3 to calculate the cost effectiveness scores for all underlying projects in PG&E's current portfolio? e) If the answer to part (d) in red, when does PG&E anticipate completing the analysis? f) In the answer to part (e) in red, explain why not.	4/15/2024	4/18/2024	4/18/2024	https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating O&M Metering Decision Matrix
576	CAI	Set WMP-44	CAI_Sat WMP-44	6	CAI_Sat WMP-44-06	Figure ACI-PG&E-23-03-1 on page 40 of PG&E's 2025 WMP Update states, "When considering the overall wildfire risk with EPSS and PPSB, this risk is 36.1 distribution Overhead." a) Define the phrase "Distribution Overhead" in this context. b) Please define the significance of the "36.1" overall wildfire risk with EPSS and PPSB compared to "Distribution Overhead".	4/15/2024	4/18/2024	4/18/2024	https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-02 - PPSB and Wildfire Risk Trade-Off Transparency
577	CAI	Set WMP-44	CAI_Sat WMP-44	7	CAI_Sat WMP-44-07	Figure ACI-PG&E-23-03-1 on page 40 of PG&E's 2025 WMP Update indicates that wildfire risk is approximately \$20.68 billion, and EPSS and PPSB combined reduce the wildfire risk by approximately \$16.35 billion. At the \$20.68 billion wildfire risk and the \$16.35 billion risk reduction estimates annual volume? a) Do the \$20.68 billion wildfire risk and the \$16.35 billion risk reduction estimates apply to PG&E's entire service territory? Please explain why.	4/15/2024	4/18/2024	4/18/2024	https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-02 - PPSB and Wildfire Risk Trade-Off Transparency
578	CAI	Set WMP-44	CAI_Sat WMP-44	8	CAI_Sat WMP-44-08	Figure ACI-PG&E-23-03-1 on page 40 of PG&E's 2025 WMP Update indicates that wildfire risk is approximately \$20.68 billion, and EPSS and PPSB combined reduce the wildfire risk by approximately \$16.35 billion. At the \$20.68 billion wildfire risk and the \$16.35 billion risk reduction estimates annual volume? a) Do the \$20.68 billion wildfire risk and the \$16.35 billion risk reduction estimates apply to PG&E's entire service territory? Please explain why.	4/15/2024	4/18/2024	4/18/2024	https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-02 - PPSB and Wildfire Risk Trade-Off Transparency
579	CAI	Set WMP-44	CAI_Sat WMP-44	9	CAI_Sat WMP-44-09	Page 89 of PG&E's 2025 WMP Update states, "CDCF installed the system on EPSS-related critical risk reduction by approximately 72% relative to the three-year historical average." a) Please provide copies of any reports, analyses, or other documentation to support PG&E's statement posted above. b) In the answer to part (a) in red, why has PG&E not conducted that analysis? c) In the answer to part (b) in red, why has PG&E not conducted that analysis? d) Has PG&E estimated the incremental lifetime expenditures attributed to wildfire deployment of REFLC? Please provide this estimate if not. e) In the answer to part (d) in red, why has PG&E not conducted that analysis?	4/15/2024	4/18/2024	4/18/2024	https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 - Effectiveness Analysis for EPSS Including Implementation of CDC
580	CAI	Set WMP-44	CAI_Sat WMP-44	10	CAI_Sat WMP-44-010	The following table is from PG&E's 2022 Annual Electric Reliability Report, page 12. a) Please provide an updated version of this table with an additional row for 2023. b) If PG&E is unable to provide any of the requested data from part (a), please provide a reason for each data point. c) If PG&E is unable to provide any of the requested data from part (b), please provide an estimate of when this data will be available.	4/15/2024	4/18/2024	4/18/2024	https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf	0	NA	NA	NA	NA
581	CAI	Set WMP-44	CAI_Sat WMP-44	11	CAI_Sat WMP-44-011	Page 89 of PG&E's 2025 WMP Update states, "The 2023 FTI (forced line inspection) program reduced overhead inspection practices and evaluated improvements to substation assessments to further inform asset health and outage risk management. Based on results of the program, PG&E is moving forward with identifying 1,000 miles of work to be completed by PG&E in 2024." a) Please describe the results of the program on which PG&E is basing the decision to move forward with identifying 1,000 miles of work in 2024. b) Provide any available reports, analyses, or other documentation of the results of the program.	4/15/2024	4/18/2024	4/18/2024	https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-19 - Continued Progression of Vegetation Management
582	CAI	Set WMP-44	CAI_Sat WMP-44	12	CAI_Sat WMP-44-012	Table ACI-PG&E-23-23-1 on page 112 of PG&E's 2025 WMP Update includes the following entry: a) Explain why the last calibration date of the weather station was recorded as 9/1/2022, over three months after the station was terminated on September 17, 2022. b) Provide any records of the calibration on 9/1/2022. c) When did PG&E become aware that the site had been removed? d) When does PG&E plan to replace the destroyed site?	4/15/2024	4/18/2024	4/18/2024	https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-21 - Weather Station Maintenance and Calibration
583	CAI	Set WMP-44	CAI_Sat WMP-44	13	CAI_Sat WMP-44-013	Table ACI-PG&E-23-23-1 on page 113 of PG&E's 2025 WMP Update includes the following entry: a) Explain why the last calibration date of the weather station was recorded as 11/1/2022, over one month after the station was terminated on October 17, 2022. b) Provide any records of the calibration on 11/1/2022. c) When did PG&E become aware that the station had been removed? d) When does PG&E plan to replace the station?	4/15/2024	4/18/2024	4/18/2024	https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf https://www.pge.com/Power/Regulatory/Reports/2025-WMP-Update/2025-WMP-Update-04-01.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-21 - Weather Station Maintenance and Calibration

584	CAPIA	Set WMP-45	CAPIA_Set WMP-45-Q1	1	CAPIA_Set WMP-45-Q1	<p>Regarding usage of Wildlife Distribution Risk Model (WDRM) v4 in scoping covered conductor and equipment: The Reflection of Such is System Healthing Accountability Report required by CA 11-0564. PG&E issues the following in response to Question 6 of data request CAlAdvocate-PGE-2023WMP-04. The topic of the SMAR (System Healthing Accountability Report) includes System Healthing work completed in the prior period (2022-2023). Projects in this time period may currently completed to be followed by WDRM v4. The most recent project selected by WDRM v4 is not being planned for completion during this time period. WDRM v4 information would be included in the SMAR in the existing related fields (i.e., Applicable Risk Model, Risk Reduction %).</p> <p>(i) the event projects selected with WDRM v4 do not and are being planned for completion in the GRC period, how do PG&E know that it is meeting the risk reduction targets outlined in D.23.11-0987?</p> <p>(ii) the event projects selected with WDRM v4 do not and are being planned for completion in the GRC period, will PG&E use additional means other than WDRM v4 and D.23.11-0987 as an advice letter to modify the SMAR tagging requirements or SMAR template content? Please explain your answer.</p> <p>(iii) the event projects selected with WDRM v4 do not and are being planned for completion in the GRC period, will PG&E submit an advice letter to modify the SMAR template to reflect usage of WDRM v4? Please explain your answer.</p> <p>(iv) the event projects selected with WDRM v4 do not and are being planned for completion in the GRC period, will PG&E use different means other than WDRM v4 and D.23.11-0987 as an advice letter to modify the SMAR tagging requirements or SMAR template content? Please explain your answer.</p>	Holy Wetmore	4/15/2024	4/15/2024	4/15/2024	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
585	MGRA	Data Request No. 11	MGRA_Data Request No. 11	1	MGRA_Data Request No. 11_Q1	<p>Please provide non-confidential versions of all responses to CAlAdvocate data requests. The responses to CAlAdvocate are confidential.</p>	Joseph Michael	4/15/2024	4/15/2024	4/15/2024	0	NA	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
586	MGRA	Data Request No. 11	MGRA_Data Request No. 11	2	MGRA_Data Request No. 11_Q2	<p>Please provide a non-confidential version of documentation containing a description of WDRM v4, including testing and validation.</p>	Joseph Michael	4/15/2024	4/15/2024	4/15/2024	0	NA	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
587	MGRA	Data Request No. 11	MGRA_Data Request No. 11	3	MGRA_Data Request No. 11_Q3	<p>If E3 or another consulting group has analyzed WDRM v4, please provide a non-confidential version of its report.</p>	Joseph Michael	4/15/2024	4/15/2024	4/15/2024	0	NA	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
588	CAPIA	Set WMP-46	CAPIA_Set WMP-46-Q1	1	CAPIA_Set WMP-46-Q1	<p>Regarding Attachment "2024-04-04-DC_PGE_2023_WMP-Update_R0_ACI-23-28_AutN0_CONF_Alt" of PGE's 2023 WMP Update.</p> <p>(1) Please state the basis for using 5.185 MW as the conversion factor in column 7?</p> <p>(2) Please identify what the data reported in column 11 ("Total Capacity" worksheet) represents.</p> <p>(3) Please identify what the data reported in column 12 ("Generation" worksheet) represents.</p> <p>(4) Please identify what the data reported in column 13 ("Storage" worksheet) represents.</p>	Holy Wetmore	4/11/2024	4/22/2024	4/22/2024	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 AC PGE-23-08 Completion of Self-Insuring Joint Studies
589	CAPIA	Set WMP-46	CAPIA_Set WMP-46-Q2	2	CAPIA_Set WMP-46-Q2	<p>PG&E's Community Wildlife Safety Program website includes two procedures related to Infrared (IR) inspections: TD-1031P-14 and TD-2022P-01.</p> <p>(1) Please describe the circumstances in which PG&E utilizes the TD-1031P-14 procedure.</p> <p>(2) Please describe the circumstances in which PG&E utilizes the TD-2022P-01 procedure.</p> <p>(3) Please describe all current bulletins or job aids associated with IR that inspect on or before IR inspections.</p> <p>(4) Please provide copies of all current bulletins or job aids associated with IR that inspect on or before IR inspections.</p> <p>(5) Please provide copies of all prior revisions of TD-1031P-14, including bulletins or job aids associated with prior revisions.</p> <p>(6) Please provide copies of all prior revisions of TD-2022P-01, including bulletins or job aids associated with prior revisions.</p> <p>(7) Please identify all procedures (including associated bulletins or job aids) related to infrared inspections of distribution infrastructure that were in effect during 2021.</p> <p>(8) Please identify all procedures (including associated bulletins or job aids) related to infrared inspections of distribution infrastructure that were in effect during 2022.</p> <p>(9) Please identify all procedures (including associated bulletins or job aids) related to infrared inspections of distribution infrastructure that were in effect during 2023.</p> <p>(10) Please identify all procedures (including associated bulletins or job aids) related to infrared inspections of distribution infrastructure that were in effect during 2024.</p> <p>(11) Please provide copies of each document response to part (7) that has not been provided in response to previous parts of this question.</p> <p>(12) Please provide copies of each document response to part (8) that has not been provided in response to previous parts of this question.</p> <p>(13) Please provide copies of each document response to part (9) that has not been provided in response to previous parts of this question.</p> <p>(14) Please provide copies of each document response to part (10) that has not been provided in response to previous parts of this question.</p> <p>(15) Please provide copies of each document response to part (11) that has not been provided in response to previous parts of this question.</p> <p>(16) Please provide copies of each document response to part (12) that has not been provided in response to previous parts of this question.</p> <p>(17) Please provide copies of each document response to part (13) that has not been provided in response to previous parts of this question.</p> <p>(18) Please provide copies of each document response to part (14) that has not been provided in response to previous parts of this question.</p>	Holy Wetmore	4/11/2024	4/22/2024	4/22/2024	10	NA	6.1.3.1.4	6.0 Wildlife Mitigations	6.1.3.1.4 Infrared Inspection
590	CAPIA	Set WMP-46	CAPIA_Set WMP-46-Q3	3	CAPIA_Set WMP-46-Q3	<p>In response to data request CAlAdvocate-PGE-2023WMP-03, question 1, PG&E provided attachment "WMP-Discovery2023-2025_DR_CalAdvocate_048-0022AaRDCONF.pdf" for the requested information.</p> <p>(1) Please identify what the data reported in column 1 ("Total Capacity" worksheet) represents.</p> <p>(2) Please identify what the data reported in column 2 ("Generation" worksheet) represents.</p> <p>(3) Please identify what the data reported in column 3 ("Storage" worksheet) represents.</p> <p>(4) Please identify what the data reported in column 4 ("Transmission" worksheet) represents.</p> <p>(5) Please identify what the data reported in column 5 ("Interconnection" worksheet) represents.</p> <p>(6) Please identify what the data reported in column 6 ("Other" worksheet) represents.</p> <p>(7) Please identify what the data reported in column 7 ("Total Capacity" worksheet) represents.</p> <p>(8) Please identify what the data reported in column 8 ("Generation" worksheet) represents.</p> <p>(9) Please identify what the data reported in column 9 ("Storage" worksheet) represents.</p> <p>(10) Please identify what the data reported in column 10 ("Transmission" worksheet) represents.</p> <p>(11) Please identify what the data reported in column 11 ("Interconnection" worksheet) represents.</p> <p>(12) Please identify what the data reported in column 12 ("Other" worksheet) represents.</p> <p>(13) Please identify what the data reported in column 13 ("Total Capacity" worksheet) represents.</p> <p>(14) Please identify what the data reported in column 14 ("Generation" worksheet) represents.</p> <p>(15) Please identify what the data reported in column 15 ("Storage" worksheet) represents.</p> <p>(16) Please identify what the data reported in column 16 ("Transmission" worksheet) represents.</p> <p>(17) Please identify what the data reported in column 17 ("Interconnection" worksheet) represents.</p> <p>(18) Please identify what the data reported in column 18 ("Other" worksheet) represents.</p>	Holy Wetmore	4/11/2024	4/25/2024	4/25/2024	0	NA	6.1.6	Section 6.1.6 - Quality Assurance and Quality Control	6.1.6.1 Quality Assurance (QA)
591	CAPIA	Set WMP-46	CAPIA_Set WMP-46-Q4	4	CAPIA_Set WMP-46-Q4	<p>(1) The inspection date should be earlier than the QC date. The referenced annex was entered only incidentally for specific instances when an inspection was performed. In these instances, the system of record automatically updated the original inspection date to the inspection date. PG&E has since corrected the information in its system.</p> <p>(2) "QC Date" (column 2) refers to the date that the QC inspection was completed.</p> <p>(3) "QA Completion Date" is the date that the Subject Matter Expert completes the review process and submits the report to the customer as requested.</p> <p>(4) PG&E does not have a standard for the maximum amount of time that is allowable between the completion of the QC inspection and the start of the QA inspection. Generally, QA will inspect the asset before the next scheduled inspection process conducted by QC for each individual asset subject.</p> <p>(5) Not applicable, please see the response to subject (1) above.</p> <p>(6) Not applicable, please see the response to subject (1) above.</p> <p>(7) PG&E does not have a standard for the maximum amount of time that is allowable between the completion of the QC inspection and the start of the QA inspection. Generally, QA will inspect the asset before the next scheduled inspection process conducted by QC for each individual asset subject.</p> <p>(8) Not applicable, please see the response to subject (1) above.</p> <p>(9) PG&E does not have a standard for the maximum amount of time that is allowable between the completion of the QC inspection and the start of the QA inspection. Generally, QA will inspect the asset before the next scheduled inspection process conducted by QC for each individual asset subject.</p> <p>(10) PG&E does not have a standard for the maximum amount of time that is allowable between the completion of the QC inspection and the start of the QA inspection. Generally, QA will inspect the asset before the next scheduled inspection process conducted by QC for each individual asset subject.</p>	Holy Wetmore	4/11/2024	4/25/2024	4/25/2024	0	NA	6.1.6	Section 6.1.6 - Quality Assurance and Quality Control	6.1.6.1 Quality Assurance (QA)
592	CAPIA	Set WMP-46	CAPIA_Set WMP-46-Q5	5	CAPIA_Set WMP-46-Q5	<p>In response to data request CAlAdvocate-PGE-2023WMP-03, question 1, PG&E provided attachment "WMP-Discovery2023-2025_DR_CalAdvocate_048-0022AaRDCONF.pdf" for the requested information.</p> <p>(1) Please identify what the data reported in column 1 ("Total Capacity" worksheet) represents.</p> <p>(2) Please identify what the data reported in column 2 ("Generation" worksheet) represents.</p> <p>(3) Please identify what the data reported in column 3 ("Storage" worksheet) represents.</p> <p>(4) Please identify what the data reported in column 4 ("Transmission" worksheet) represents.</p> <p>(5) Please identify what the data reported in column 5 ("Interconnection" worksheet) represents.</p> <p>(6) Please identify what the data reported in column 6 ("Other" worksheet) represents.</p> <p>(7) Please identify what the data reported in column 7 ("Total Capacity" worksheet) represents.</p> <p>(8) Please identify what the data reported in column 8 ("Generation" worksheet) represents.</p> <p>(9) Please identify what the data reported in column 9 ("Storage" worksheet) represents.</p> <p>(10) Please identify what the data reported in column 10 ("Transmission" worksheet) represents.</p> <p>(11) Please identify what the data reported in column 11 ("Interconnection" worksheet) represents.</p> <p>(12) Please identify what the data reported in column 12 ("Other" worksheet) represents.</p> <p>(13) Please identify what the data reported in column 13 ("Total Capacity" worksheet) represents.</p> <p>(14) Please identify what the data reported in column 14 ("Generation" worksheet) represents.</p> <p>(15) Please identify what the data reported in column 15 ("Storage" worksheet) represents.</p> <p>(16) Please identify what the data reported in column 16 ("Transmission" worksheet) represents.</p> <p>(17) Please identify what the data reported in column 17 ("Interconnection" worksheet) represents.</p> <p>(18) Please identify what the data reported in column 18 ("Other" worksheet) represents.</p>	Holy Wetmore	4/11/2024	4/25/2024	4/25/2024	1	NA	6.1.6	Section 6.1.6 - Quality Assurance and Quality Control	6.1.6.1 Quality Assurance (QA)

623	CA/PA	Set WMP-48	CA/PA_Sel WMP-48	5	CA/PA_Sel WMP-48_05	<p>Please provide the list of circuits that are directly upstream of PG&E's distribution lines, including the following information:</p> <ul style="list-style-type: none"> a) Circuit name b) Voltage, and c) Whether the circuit is part of the NERC bulk electric system. 	Tyler Hotschuh	5/16/2024	5/31/2024	5/31/2024	https://www.pge.com/Press/Reports/Outages/2024/05/05/CA/PA_Sel_WMP-48_05.pdf	2	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
624	CA/PA	Set WMP-48	CA/PA_Sel WMP-48	6	CA/PA_Sel WMP-48_06	<p>Please provide the number of circuit-mile-days that PG&E achieved fast-track from January to December 2023, by month.</p>	Tyler Hotschuh	5/16/2024	5/31/2024	5/31/2024	https://www.pge.com/Press/Reports/Outages/2024/05/06/CA/PA_Sel_WMP-48_06.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
625	CA/PA	Set WMP-48	CA/PA_Sel WMP-48	7	CA/PA_Sel WMP-48_07	<p>Please provide the number of circuit-mile-days that PG&E did not achieve fast-track from January to December 2023, by month.</p>	Tyler Hotschuh	5/16/2024	5/31/2024	5/31/2024	https://www.pge.com/Press/Reports/Outages/2024/05/07/CA/PA_Sel_WMP-48_07.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
626	CA/PA	Set WMP-48	CA/PA_Sel WMP-48	8	CA/PA_Sel WMP-48_08	<p>Please provide the number of momentary outages that PG&E had on circuits where fast-track settings were not enabled from January to December 2023, by month.</p>	Tyler Hotschuh	5/16/2024	5/31/2024	5/31/2024	https://www.pge.com/Press/Reports/Outages/2024/05/08/CA/PA_Sel_WMP-48_08.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
627	CA/PA	Set WMP-48	CA/PA_Sel WMP-48	9	CA/PA_Sel WMP-48_09	<p>Please provide the number of non-momentary (i.e., sustained) outages that PG&E had on circuits where fast-track settings were not enabled from January to December 2023, by month.</p>	Tyler Hotschuh	5/16/2024	5/31/2024	5/31/2024	https://www.pge.com/Press/Reports/Outages/2024/05/09/CA/PA_Sel_WMP-48_09.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
628	CA/PA	Set WMP-48	CA/PA_Sel WMP-48	10	CA/PA_Sel WMP-48_010	<p>For each of the outages in the attached excel spreadsheet named "Random Fast-Track August 2023 Outages.xlsx," please provide:</p> <ul style="list-style-type: none"> a) The protective function that tripped the circuit (e.g., define time delay, ground occurrence). b) The current threshold of the protective function. c) The maximum load (kw-current from 2019-2023). d) The maximum unforced ground-current from 2019-2023, and e) If it distributes, whether the circuit was three-wire or four-wire. 	Tyler Hotschuh	5/16/2024	5/31/2024	5/31/2024	https://www.pge.com/Press/Reports/Outages/2024/05/10/CA/PA_Sel_WMP-48_010.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
629	CALPA	Set WMP-48	CALPA_Sel WMP-48	10(b)	CALPA_Sel WMP-48_Q10(b)	<p>For each of the outages in the attached excel spreadsheet named "Random Fast-Track August 2023 Outages.xlsx," please provide:</p> <ul style="list-style-type: none"> a) The protective function that tripped the circuit (e.g., define time delay, ground occurrence). b) The current threshold of the protective function. c) The maximum load (kw-current from 2019-2023). d) The maximum unforced ground-current from 2019-2023, and e) If it distributes, whether the circuit was three-wire or four-wire. 	Tyler Hotschuh	5/16/2024	6/5/2024	6/5/2024	https://www.pge.com/Press/Reports/Outages/2024/06/05/CALPA_Sel_WMP-48_Q10(b).pdf	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
630	OEIS	019	OEIS_019	1	OEIS_019_01	<p>Regarding PG&E's response to ACI PG&E-23-26: PG&E states the following in its 2023 WMP Update (p. 123): PG&E is currently finalizing an analysis to understand the tradeoffs between reliability and wildfire risk mitigation and EPSS credits created. The analysis should be completed by the second quarter of 2024 to be shared in PG&E's 2024 RAMP Plan and will address the portion of the ACI seeking re-evaluation of PG&E's EPSS evaluation threshold. PG&E has its 2024 RAMP Plan on May 15, 2024. Is this analysis completed? If yes, what is the format of this analysis that can be produced?</p>	Brad Hill	5/16/2024	5/12/2024	5/12/2024	https://www.pge.com/Press/Reports/Outages/2024/05/12/OEIS_019_01.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
631	OEIS	019	OEIS_019	2	OEIS_019_02	<p>PG&E used the following number of circuit segments to determine the top 5% for all circuit segments, whereas the original Tables 6-6 and 7-2 in the 2023-2025 WMP have 41 circuit segments listed.</p> <p>a. Provide the number of circuit segments used to determine the top 5% for both the original tables (7/3) and the updated table (2/4).</p> <p>b. Provide the overall utility risk score used to determine the top 5% for both the original tables (7/3) and the updated table (2/4).</p>	Brad Hill	5/16/2024	5/12/2024	5/12/2024	https://www.pge.com/Press/Reports/Outages/2024/05/12/OEIS_019_02.pdf	0	NA	6.1.2	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
632	OEIS	020	OEIS_020	1	OEIS_020_01	<p>Regarding PG&E's 2023 WMP Update:</p> <p>a. Is Table 1.2 of PG&E's 2023-2025 WMP, PG&E provides a table detailing the number of miles it plans to underground in 2023-2028 in the top 20% Risk ranked circuits, other high-risk circuits, and for all other undergrounding programs.</p> <p>b. Please provide this table with the 2025 undergrounding to reflect PG&E's 2025 WMP Update. If the 2025 update has not been finalized, please update the table with the current 2025 WMP update as of the date of this request.</p> <p>c. Please provide a table detailing PG&E's 2025 undergrounding including the number of miles in the top 20% risk ranked circuit segments, other high-risk (if applicable), and other covered conductor programs. If the 2025 update has not been finalized, please update the table with the current 2023 WMP update as of the date of this request.</p> <p>d. To table ENR&E-05.2 of PG&E's 2023-2025 WMP, PG&E provides the number of undergrounding miles (planned and percentage of portfolio) in the top 20% WFE, WDRM-03, and WDRM-02, and WDRM-02 + WDRM-03. Please provide this table with the 2025 update to reflect PG&E's 2025 WMP Update. If the 2025 update has not been finalized, please update the table with the current 2023 WMP update as of the date of this request.</p> <p>e. Please provide the table for PG&E's 2025 covered conductor verification. If the 2025 update has not been finalized, please update the table with the current 2023 WMP update as of the date of this request.</p>	Brad Hill	5/17/2024	5/24/2024	5/24/2024	https://www.pge.com/Press/Reports/Outages/2024/05/24/OEIS_020_01.pdf	0	NA	9	Section 8.1.2 - Grid Design and System Planning	8.1.2 Undergrounding of electric lines and/or equipment
633	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	1	CPUC - SPD (Safety Policy Division)_014_01	<p>Please the last 100 created Priority A tags and associated inspection report. Include all photos from tags of inspection report.</p> <p>a. A minimum of 50 tags must be identified during inspections.</p> <p>b. A minimum of 50 tags must be from the HPFD.</p> <p>c. If the 100 latest created tags do not meet the criteria from a) and b), supplement the request with the latest created tags for a) and b) until all requirements are met. SPD requests the maximum number of tags to be submitted to be 200.</p>	Henry Swear	5/14/2024	5/31/2024	5/31/2024	https://www.pge.com/Press/Reports/Outages/2024/05/31/CPUC_SPD_014_01.pdf	3	NA	8	8.0 Wildlife Mitigations	8.1.3 Asses Inspections
634	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	10a	CPUC - SPD (Safety Policy Division)_014_10a	<p>Please the last 100 created Priority A tags and associated inspection report. Include all photos from tags of inspection report.</p> <p>a. A minimum of 50 tags must be identified during inspections.</p> <p>b. A minimum of 50 tags must be from the HPFD.</p> <p>c. If the 100 latest created tags do not meet the criteria from a) and b), supplement the request with the latest created tags for a) and b) until all requirements are met. SPD requests the maximum number of tags to be submitted to be 200.</p>	Henry Swear	5/14/2024	6/20/2024	6/17/2024	https://www.pge.com/Press/Reports/Outages/2024/06/17/CPUC_SPD_014_10a.pdf	3	NA	8	8.0 Wildlife Mitigations	8.1.3 Asses Inspections

632	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	13d3	CPUC - SPD (Safety Policy Division)_014_013d3	Provide the last 100 created Priority A tags and associated inspection report. Include all photos from tags or inspection report. a. A minimum of 50 tags must be identified during inspections. b. A minimum of 50 tags must be from the HFTD. c. If the 100 latest created tags do not meet the criteria from a) and b), supplement the request with the latest created tags for a) and b) until all requirements are met. SPD expects the maximum number of tags to be submitted to be 200.	<p>Please see "WMP-Discovery2023-2025_DR_SPD_014-Q001(SupplementalCONF)pdf" for the requested images associated with tags and inspection reports provided with SPD_014-Q001 report. We apologize for the delay in providing these images.</p> <p>Please also see the table below for notification numbers and equipment IDs associated with the requested images. The images provided have been named with their corresponding SAP Equipment ID number.</p> <p>SAP Equipment ID/Notification Number/ Priority</p> <p>100024842 12813891</p> <p>A 100107796 12811106 10412041232 129595979</p> <p>100113731 100155714</p> <p>A 10053473 128173525</p> <p>100775293 128659119</p> <p>A 130794135 128173748</p> <p>100994052 128178525</p> <p>A 101028583 128179583</p>	Henry Swast	5/14/2024	6/21/2024	6/21/2024	https://www.spr.com/Forms/Tag/View/ViewDetails.aspx?tagid=100024842&equipmentid=12813891	1	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
633	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	2	CPUC - SPD (Safety Policy Division)_014_02	Provide the last 100 created Priority X work orders and associated inspection report. Include all photos from work orders or inspection report. a. A minimum of 50 tags must be identified during inspections. b. A minimum of 50 tags must be from the HFTD. c. If the 100 latest created tags do not meet the criteria from a) and b), supplement the request with the latest created tags for a) and b) until all requirements are met. SPD expects the maximum number of tags to be submitted to be 200.	<p>PG&E understands this to be requesting tags related to overhead (OH) inspections. Please note, as tags can be created outside of inspection, not all tags have associated inspection reports.</p> <p>A. Please see "WMP-Discovery2023-2025_DR_SPD_014-Q002(AssessmentCONF)pdf" for 45 Priority X tags and 44 associated inspection reports. Please note, tags 128778454 and 128778509 were created during the same inspection and are associated with inspection report "OH_100311564_CONF.pdf" located within the referenced zip folder.</p> <p>B. Please see "WMP-Discovery2023-2025_DR_SPD_014-Q003(AssessmentCONF)pdf" for 45 Priority X tags that were located in HFTD.</p> <p>C. Please see "WMP-Discovery2023-2025_DR_SPD_014-Q005(AssessmentCONF)pdf" for seven additional Priority X tags to verify this subpart (c) of this request.</p>	Henry Swast	5/14/2024	5/31/2024	5/31/2024	https://www.spr.com/Forms/Tag/View/ViewDetails.aspx?tagid=100024842&equipmentid=12813891	3	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
634	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	3	CPUC - SPD (Safety Policy Division)_014_03	Provide the last 100 created Priority B work orders and associated inspection report. Include all photos from work orders or inspection report. a. A minimum of 50 tags must be identified during inspections. b. A minimum of 50 tags must be from the HFTD. c. If the 100 latest created tags do not meet the criteria from a) and b), supplement the request with the latest created tags for a) and b) until all requirements are met. SPD expects the maximum number of tags to be submitted to be 200.	<p>PG&E understands this to be requesting tags related to overhead (OH) inspections. Please note, as tags can be created outside of inspection, not all tags have associated inspection reports.</p> <p>A. Please see "WMP-Discovery2023-2025_DR_SPD_014-Q004(AssessmentCONF)pdf" for 24 Priority B tags that were identified during inspections and their associated inspection reports.</p> <p>B. Please see "WMP-Discovery2023-2025_DR_SPD_014-Q006(AssessmentCONF)pdf" for 24 Priority B tags that were located in HFTD. As these tags were created during inspections, this attachment also contains their associated inspection reports.</p> <p>C. Please see "WMP-Discovery2023-2025_DR_SPD_014-Q008(AssessmentCONF)pdf" for 28 additional Priority B tags to verify this subpart (c) of this request. As these tags were created during inspections, this attachment also contains their associated inspection reports.</p>	Henry Swast	5/14/2024	6/3/2024	6/3/2024	https://www.spr.com/Forms/Tag/View/ViewDetails.aspx?tagid=100024842&equipmentid=12813891	3	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
635	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	4	CPUC - SPD (Safety Policy Division)_014_04	Provide all job bulletins related to "X" tags.	<p>PG&E does not have a job bulletin related to "X" tags, however, please see "WMP-Discovery2023-2025_DR_SPD_014-Q001.pdf"</p>	Henry Swast	5/14/2024	5/28/2024	5/28/2024	https://www.spr.com/Forms/Tag/View/ViewDetails.aspx?tagid=100024842&equipmentid=12813891	1	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
636	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	5	CPUC - SPD (Safety Policy Division)_014_05	Provide number of A, B, X, E, F for Aerial, Ground and Pole Test and Trestle finds during inspections in 2023, and 2024 broken down by HFTD and non HFTD. Include number of inspections and find rate for each tag type. Submit the same information in the same format as Table RN-PS&E 23 04 7 (attached in email) for 2023 and 2024 from PG&E's 2023 2025 Wildlife Mitigation Plan Supplemental Response to Revision Notice, except provide the actual tag finds, rather than "Forecasted" Tag Finds. Indicate if inspectors or planes were used for any of the aerial respoc-oms.	<p>2023-2024 Actual Finds by Inspection Type Annual Inspections 2023 Annual Inspections 2024 (YTD) Inspection Type Per Priority Find Rate Actual Inspections by Tag Actual Tag Find First Find Rate Actual Inspections by Tag Actual Tag Find First Find Rate</p> <p>Aerial</p> <p>Non-HFTD</p> <p>PFRA</p> <p>0.9%</p> <p>100</p> <p>0.27%</p> <p>1,581</p> <p>0</p> <p>0%</p> <p>18</p> <p>1.9%</p> <p>18</p> <p>0%</p> <p>15.31%</p> <p>242</p> <p>0%</p> <p>0.28%</p> <p>0.28%</p> <p>1,663</p>	Henry Swast	5/14/2024	5/28/2024	5/28/2024	https://www.spr.com/Forms/Tag/View/ViewDetails.aspx?tagid=100024842&equipmentid=12813891	0	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
636	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	5d6	CPUC - SPD (Safety Policy Division)_014_5d6a	Provide number of A, B, X, E, F for Aerial, Ground and Pole Test and Trestle finds during inspections in 2023, and 2024 broken down by HFTD and non HFTD. Include number of inspections and find rate for each tag type. Submit the same information in the same format as Table RN-PS&E 23 04 7 (attached in email) for 2023 and 2024 from PG&E's 2023 2025 Wildlife Mitigation Plan Supplemental Response to Revision Notice, except provide the actual tag finds, rather than "Forecasted" Tag Finds. Indicate if inspectors or planes were used for any of the aerial respoc-oms.	<p>Monitor use PR-0025-01</p> <p>Please see the table below, which has been updated to include the 2023-2024 actual find data for aerial inspections. This actual find data for aerial inspections is current as of May 23, 2024. We were still gathering and quality checking the data when we provided our initial May 28, 2024 response.</p> <p>2023-2024 Actual Finds by Inspection Type</p> <p>2023-2024 Actual Finds by Inspection Type Annual Inspections 2023 Annual Inspections 2024 (YTD) Inspection Type Per Priority Find Rate Actual Inspections by Tag Actual Tag Find First Find Rate Actual Inspections by Tag Actual Tag Find First Find Rate</p> <p>Aerial</p> <p>Non-HFTD</p> <p>PFRA</p> <p>0.9%</p> <p>100</p> <p>0.27%</p> <p>1,581</p> <p>0</p> <p>0%</p> <p>18</p> <p>1.9%</p> <p>18</p> <p>0%</p> <p>15.31%</p> <p>242</p> <p>0%</p> <p>0.28%</p> <p>0.28%</p> <p>1,663</p>	Henry Swast	5/14/2024	5/31/2024	6/5/2024	https://www.spr.com/Forms/Tag/View/ViewDetails.aspx?tagid=100024842&equipmentid=12813891	0	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
636	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	5d2d	CPUC - SPD (Safety Policy Division)_014_5d2d	Provide number of A, B, X, E, F for Aerial, Ground and Pole Test and Trestle finds during inspections in 2023, and 2024 broken down by HFTD and non HFTD. Include number of inspections and find rate for each tag type. Submit the same information in the same format as Table RN-PS&E 23 04 7 (attached in email) for 2023 and 2024 from PG&E's 2023 2025 Wildlife Mitigation Plan Supplemental Response to Revision Notice, except provide the actual tag finds, rather than "Forecasted" Tag Finds. Indicate if inspectors or planes were used for any of the aerial respoc-oms.	<p>PG&E responded to "WMP-Discovery2023-2025_DR_SPD_014-Q001.pdf" (Q001), "WMP-Discovery2023-2025_DR_SPD_014-Q002.pdf" (Q002) and "WMP-Discovery2023-2025_DR_SPD_014-Q003.pdf" (Q003), all of the requests by reviewing the most recently created 100 tags in the Priority A, X, and B categories. PG&E responded to "WMP-Discovery2023-2025_DR_SPD_014-Q004.pdf" (Q004), by providing a count of all tags created from inspections only in 2024. As more than 100 tags were created in 2024, the requests requested in Q004 included more tags. PG&E also included the results of the PFRA in the table pdf for Question 005, which was not originally included in Table RN-PS&E 23 04 7.</p> <p>In addition, PG&E used a slightly different methodology when applying filters to pull the tag count data for Question 005 compared to what was used for Q001-Q003 in PG&E's recent aerial actual find data for these questions was pulled by different teams. PG&E has since aligned on the data pull methodology and is providing updated counts for Q005 as shown in the table below.</p> <p>2023-2024 Actual Finds by Inspection Type Annual Inspections 2023 Annual Inspections 2024 (YTD) Inspection Type Per Priority Find Rate Actual Inspections by Tag Actual Tag Find First Find Rate Actual Inspections by Tag Actual Tag Find First Find Rate</p>	Henry Swast	5/14/2024	6/21/2024	6/20/2024	https://www.spr.com/Forms/Tag/View/ViewDetails.aspx?tagid=100024842&equipmentid=12813891	0	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections

636	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	5/26/2024	CPUC - SPD (Safety Policy Division)_014_05102405	<p>Provide number of A, B, X, E, F for Asset, Ground and Wet Treatment Tests final during inspections in 2023, and 2024 broken down by FTO and non-FTO locations. Provide a table with the following columns: Date, Location, Test Type, Status (Pass/Fail/Not Done), and Remarks. Submit the same information in the same format as Table RN PG&E 23 04 7 (attached in email) for 2023 and 2024 from PG&E's 2023-2024 Wildlife Migration Plan Supplemental Information to Request Notice, which provides the actual tag IDs rather than "Forecasted Tag IDs". Indicate if inspections or plans were used for any of the actual report items.</p>	Henry Swast	5/14/2024	7/26/2024	7/26/2024	https://www.pge.com/Portals/0/CPUC/CPUC%20-%20Safety%20-%202024%20-%20Wildlife%20Migration%20Plan%20Supplemental%20Information%20to%20Request%20Notice%20-%202023-2024%20-%20Final%20-%2005102405.pdf	0	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
637	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	6	CPUC - SPD (Safety Policy Division)_014_06	<p>Explain tag re-prioritization oversight process where an inspector's initial prioritization is changed.</p> <p>A. Provide the number of tags in 2024 found during inspections where the inspector identified A, X, and B tags where the tag was re-prioritized to a less urgent priority, and which priority it was re-assigned.</p> <p>B. Provide inspection reports and work orders, including all photos, for the last 10 created tags found during inspections for each of A, X, and B where the tag was re-prioritized to a less urgent priority.</p> <p>C. Provide a list of all tags found in April during inspections where the inspector identified A, X, and B tags where the tag was re-prioritized to a less urgent priority. This list should include (1) the notification number, (2) the date each tag was found, (3) the original priority, (4) the changed priority and (5) a description of the finding.</p>	Henry Swast	5/14/2024	5/31/2024	5/28/2024	https://www.pge.com/Portals/0/CPUC/CPUC%20-%20Safety%20-%202024%20-%20Wildlife%20Migration%20Plan%20Supplemental%20Information%20to%20Request%20Notice%20-%202023-2024%20-%20Final%20-%2005102405.pdf	3	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
637	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	6/6	CPUC - SPD (Safety Policy Division)_014_06/06	<p>Explain tag re-prioritization oversight process where an inspector's initial prioritization is changed.</p> <p>A. Provide the number of tags in 2024 found during inspections where the inspector identified A, X, and B tags where the tag was re-prioritized to a less urgent priority, and which priority it was re-assigned.</p> <p>B. Provide inspection reports and work orders, including all photos, for the last 10 created tags found during inspections for each of A, X, and B where the tag was re-prioritized to a less urgent priority.</p> <p>C. Provide a list of all tags found in April during inspections where the inspector identified A, X, and B tags where the tag was re-prioritized to a less urgent priority. This list should include (1) the notification number, (2) the date each tag was found, (3) the original priority, (4) the changed priority and (5) a description of the finding.</p>	Henry Swast	5/14/2024	6/13/2024	6/13/2024	https://www.pge.com/Portals/0/CPUC/CPUC%20-%20Safety%20-%202024%20-%20Wildlife%20Migration%20Plan%20Supplemental%20Information%20to%20Request%20Notice%20-%202023-2024%20-%20Final%20-%2005102405.pdf	1	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
638	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	7	CPUC - SPD (Safety Policy Division)_014_07	<p>Provide the count of tags for each tag type in 2024 where an existing tag was re-prioritized to a more urgent priority and the priority to which it was assigned due to an inspection.</p>	Henry Swast	5/14/2024	5/28/2024	5/28/2024	https://www.pge.com/Portals/0/CPUC/CPUC%20-%20Safety%20-%202024%20-%20Wildlife%20Migration%20Plan%20Supplemental%20Information%20to%20Request%20Notice%20-%202023-2024%20-%20Final%20-%2005102405.pdf	0	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
639	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	8	CPUC - SPD (Safety Policy Division)_014_08	<p>What would motivate an inspector to override the prioritization for a tag in the job and increase the priority or deadline?</p> <p>A. In this scenario, what prevents a re-prioritization of the tag during the review by a supervisor or other PG&E employee?</p>	Henry Swast	5/14/2024	5/28/2024	5/28/2024	https://www.pge.com/Portals/0/CPUC/CPUC%20-%20Safety%20-%202024%20-%20Wildlife%20Migration%20Plan%20Supplemental%20Information%20to%20Request%20Notice%20-%202023-2024%20-%20Final%20-%2005102405.pdf	0	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
640	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	9	CPUC - SPD (Safety Policy Division)_014_09	<p>When does the field engineer get involved with addressing a high (A, X, B) priority tag? Provide examples.</p> <p>A. Describe the role of field engineers in the process to address an asset safety issue.</p>	Henry Swast	5/14/2024	5/28/2024	5/28/2024	https://www.pge.com/Portals/0/CPUC/CPUC%20-%20Safety%20-%202024%20-%20Wildlife%20Migration%20Plan%20Supplemental%20Information%20to%20Request%20Notice%20-%202023-2024%20-%20Final%20-%2005102405.pdf	0	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
641	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	10	CPUC - SPD (Safety Policy Division)_014_010	<p>Discuss the process for updating the Distribution Inspection Job Aid.</p> <p>A. What is the process?</p> <p>B. Who has final say?</p> <p>C. Which technical staff (structural practitioners) or structural engineers reviewed the job aid?</p> <p>D. Provide meeting notes from meetings discussing the Job Aid.</p> <p>E. Provide meeting notes from meetings discussing changes to Job Aid from the Wildlife Steering Governance Committee, or a similar type of committee governing distribution issues or inspections, provide them.</p>	Henry Swast	5/14/2024	5/28/2024	5/28/2024	https://www.pge.com/Portals/0/CPUC/CPUC%20-%20Safety%20-%202024%20-%20Wildlife%20Migration%20Plan%20Supplemental%20Information%20to%20Request%20Notice%20-%202023-2024%20-%20Final%20-%2005102405.pdf	8	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-09 Discusses in Detailed Distribution Inspections

650	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	7	CPUC - SPD (Safety Policy Division)_016_07	<p>Migration Effectiveness</p> <p>a. Regulate use of the WBCA tool to incorporate cost effectiveness components, liability considerations, and location-specific mitigation effectiveness calculations, as described in the 2023 WMP Update on page 51, to all mitigations which will employ location-specific mitigation effectiveness calculations when WBCA is adopted, with the WMP Update Activity name and Safety Measure Tracking ID code.</p> <p>b. Provide the data used to create "At-Risk" PG&E 23-05-2.</p> <p>c. Provide the data used to create "At-Risk" PG&E 23-05-2.</p> <p>d. SFDR expects to use a CP&E evaluation of the risk and the expected mitigation effectiveness for each driver.</p> <p>e. The data should include the CPZ data aggregated up at the level of the Table A2-1 PG&E 23-05-2 and an explanation for the data.</p> <p>f. The data should include and describe the risk for each driver aggregated up and an explanation for how the data is used to determine each mitigation effectiveness.</p> <p>g. Another competing factor is PG&E's heavily forested service territory in the highest wildfire risk portions of Giglio, Fresno, Tehama, Butte, and Yuba Counties.</p> <p>h. For each driver, the CPZ is broken into one or two in-ground faults. These types of faults are not as likely as the WMP Update Activity name and Safety Measure Tracking ID code.</p> <p>i. Significant large tree habitats with high probability for the events would not produce the same effectiveness as areas the California's high forest. An accurate assessment of the effectiveness of REFCO systems requires consideration of the specific geographic risk factors for the areas which have high probability of the events.</p> <p>Provide data which substantiates the claim. Provide data which shows the proximity of S.G., L.L., L.L.L., L.L.L.L., and L.L.L.L.L. faults on circuits in the PTID. Provide data which shows the proximity of S.G., L.L., L.L.L., L.L.L.L., and L.L.L.L.L. faults on circuits in the PTID. Provide data which shows the proximity of REFCO for each fault type and risk driver.</p>	<p>Henry Sweet</p> <p>5/30/2024</p> <p>6/30/2024</p> <p>6/30/2024</p> <p>https://www.pge.com/Pdf/Forms/Forms/CPUC/CPUC-23-05-2-016-07-07-2024.pdf</p> <p>2</p>	NA	11.4	Appendix D - Assess for Continued Improvement	11.4 ACI PG&E 23-05 Update Guid Heterologous Guid
651	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	8	CPUC - SPD (Safety Policy Division)_016_08	<p>Provide additional information on the criteria for "Red Flag" Conditions - it appears that PG&E also refers to them as "dry year" conditions (last page 10) of 2023 WMP Update and PG&E's response to NCEPA, Date Requested 5_2023.</p> <p>a. Describe the terminology - are these synonyms? Explain why or not.</p> <p>b. Explain how the station has been selected resulting in WORM in CPZ.</p> <p>c. Provide the percentage of WORM at risk associated with these data.</p> <p>d. Provide the percentage of WORM at risk associated with these data.</p> <p>e. Discuss how the risk flow to the effect is in use of these data compared to WORM in CPZ and v3.</p> <p>f. Explain how the criteria compare to classification of weather in both FPI v4.0 and v5.0, is it similar to R4 or R4.5 or another "Why not"?</p> <p>g. Explain how the criteria corrects to weather that would result PG&E's use of a PSPF event.</p> <p>h. Provide a list of all CP&E responsible systems for each year from 2014 through 2023. 2024 that occurred during that flag conditions. Provide data in the format as the CP&E responsible systems. Template attached 2023-2024 to CPUC, and an additional column indicating if the system was in (1) Tier 2, (2) Tier 3, (3) PFRA.</p> <p>i. Provide the number of critical risk days on an annual basis that met the "Red Flag" conditions criteria starting in 1990 for the first year PG&E 35-year meteorology data used through April 30, 2024.</p> <p>j. Provide the statistical outlier of critical risk days per year expected to meet the "Red Flag" conditions criteria based on PG&E's modeling.</p> <p>k. For PG&E's response to NCEPA, Date Requested 5_2023, PG&E states that the additional explanation of year of dry and in model over the predictive deductive condition. Explain.</p> <p>Discuss if this is related to the predictive deductive condition already being predicted on an RFI threshold.</p>	<p>Henry Sweet</p> <p>5/30/2024</p> <p>6/12/2024</p> <p>6/12/2024</p> <p>https://www.pge.com/Pdf/Forms/Forms/CPUC/CPUC-23-05-2-016-08-08-2024.pdf</p> <p>1</p>	NA	6	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
652	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	9	CPUC - SPD (Safety Policy Division)_016_09	<p>Answer the following with regards to O&C for system inspections.</p> <p>a. Provide the procedures for QA and QC for all System Inspections for transmission and distribution assets.</p> <p>b. Provide the procedures for Inspected Inspectors (person and ground) distribution and transmission assets.</p> <p>c. Describe what is in a Critical Path Item, and how that differs from other types of findings - for Distribution QA the other findings appear to be classified as "High", "Medium", and "Low", as seen in "WMP-Discovery2023-2023_DR_Calibration_23-0001A61801.xlsx". Provide examples.</p> <p>d. Explain what O&C QA would have different criteria for evaluation and discuss how the materials in the past year. For instance, when would an inspection date QA but not QC and vice versa.</p> <p>e. Explain why O&C QA would not result in a new EC tag. Provide examples. See column J of "WMP-Discovery2023-2023_DR_Calibration_23-0001A61801.xlsx" for references.</p> <p>f. Explain why some findings identified during O&C inspections classified as "High" when otherwise "Critical/Abnormal" and others are not?</p> <p>Referencing "WMP-Discovery2023-2023_DR_Calibration_23-0001A61801.xlsx", justify why the finding in Row 4 is not considered a Critical Abnormal, whereas the finding in Row 140 is considered a Critical Abnormal. Discuss why the finding in Row 4 is not a Critical Abnormal considering (1) the two cases have the same identified description "Missing missing, broken, damaged, or loose" (2) the risk rank and PTID rank for the same case Column 1 through 10, but (3) the finding in Row 4 is a Priority 6 whereas the finding in Row 140 is a Priority 7, especially since (1) implies that Row 4 was more time and cost than the more critical.</p>	<p>Henry Sweet</p> <p>5/30/2024</p> <p>6/4/2024</p> <p>6/4/2024</p> <p>https://www.pge.com/Pdf/Forms/Forms/CPUC/CPUC-23-05-2-016-09-09-2024.pdf</p> <p>5</p>	NA	8	Section 8.1.3 - Asset Inspection	8.1.3 Asset Inspections
653	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	10	CPUC - SPD (Safety Policy Division)_016_010	<p>For each year from 2020 through 2023, and January 1, 2024, through April 30, 2024, and for each work order category:</p> <p>a. Provide a list and examples of all cases categories used when canceling work orders.</p> <p>b. Provide the number of cancelled work orders for each priority work order under each cause category.</p> <p>c. Provide the number of cancelled work orders for each priority work order under each cause category that was cancelled after the due date.</p> <p>d. Provide the number of cancelled work orders for each priority work order under each cause category that was replaced by another work order under each cause category and the priority to be replaced.</p> <p>e. Provide the number of cancelled work orders for each priority work order which was cancelled because the work order was no longer considered necessary for reasons. PG&E has referenced the criteria for option selection to residents (may have changed).</p> <p>f. For this case, explain how PG&E is actively attempting to identify these work orders and streamline the process for assessing them. How many does PG&E anticipate remain in the backlog?</p>	<p>Henry Sweet</p> <p>5/30/2024</p> <p>6/12/2024</p> <p>6/12/2024</p> <p>https://www.pge.com/Pdf/Forms/Forms/CPUC/CPUC-23-05-2-016-10-10-2024.pdf</p> <p>1</p>	NA	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Tags
653	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_010	10a	CPUC - SPD (Safety Policy Division)_016_010a	<p>isid8jg4wyeawjGSEWZEV7</p>	<p>Henry Sweet</p> <p>5/30/2024</p> <p>6/12/2024</p> <p>6/12/2024</p> <p>https://www.pge.com/Pdf/Forms/Forms/CPUC/CPUC-23-05-2-016-10-10a-10a-2024.pdf</p> <p>0</p>	NA	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Tags

854	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	11	CPUC - SPD (Safety Policy Division)_016_011	<p>Discuss how work orders are handled.</p> <p>a. If there is an area selected for bundling, explain whether all or only a partial set of work orders is addressed in a bundling project.</p> <p>b. How are the remaining work orders not addressed by the bundled project being addressed?</p> <p>c. Are there different types of bundling projects?</p> <p>d. How does the project type affect the bundling?</p> <p>e. How are work orders near their completion deadline handled when bundled?</p> <p>f. How are work orders near their completion deadline handled when not bundled?</p> <p>g. How are work orders created for bundling projects, or are the existing work orders used?</p> <p>h. How would a situation be addressed where a contractor had to do a bundling project from multiple work orders already completed due to past work, such as emergency storm work, but were erroneously included in the bid?</p> <p>i. Would PG&E still pay for the work, or would the contractor need payment, or to be issued the contractor not charge for the work orders erroneously included in the bid?</p>	<p>The remaining notifications will be addressed during the annual work planning cycle.</p> <p>1. The use of multiple types of bundling projects when coming to bundling jobs and non-pole priority E and F overhead HTDFRA EC notifications (when bundling an area, as well as when possible with other notification types) in an area consists of both HTDF and non-HTDF notifications. The non-HTDF notifications may not be addressed within the bundling project. In addition, a bundled notification may not be associated with the bundle if there are external constraints, for instance customer access or permitting requirements that are unique to only a small portion of the bundle some of the notifications might be removed from the bundle to allow execution of the rest of the notifications.</p> <p>2. The majority of the circuit-level bundles are resourced by correct partners while single isolation zone bundles are resourced through the normal work and resource planning process.</p> <p>3. Circuit-level bundles are usually much larger containing of over 100 notifications and take multiple weeks to execute while isolation zone bundles are smaller and are executed in one to a few days typically.</p> <p>4. Circuit-level bundles are project managed while single isolation zone bundles are managed within the division and related work orders.</p>	Henry Swast	5/30/2024	6/4/2024	6/4/2024	https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-011	0	NA	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Tags	
855	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	12	CPUC - SPD (Safety Policy Division)_016_012	<p>What is PG&E's Fall Start for addressing work orders?</p> <p>a. What factors are the most common for a fall start?</p>	<p>PG&E is completing the response per clarification from the Safety Policy Division that "take start" are situations when job crew arrive at a job site and are unable to complete the job as scheduled.</p> <p>For Planned Electric Distribution Maintenance work, Major Work Categories 07, 2A, and 4A, PG&E's schedule adherence rate for January 2024 to June 30, 2024, is 85%. 2,297 units were completed, and 10,875 units were not completed. Of the 10,875 units not completed, 1,075 units (10%) is the rate of the units that would be considered not completed due to take start.</p> <p>From this year's data, the most common factors for a fall start are:</p> <p>Additional time required (unforeseen field conditions) (2.5%)</p> <p>Clearance not set (1.1%)</p> <p>Field conditions changed (4.8%)</p> <p>Miscalculated hours of effort (0.2%)</p> <p>No USA (0.1%)</p> <p>Field decision not to work (0.9%)</p> <p>Contractor field decision not to work (0.5%)</p> <p>Overall, the three highest factors for not meeting schedule adherence are: Emergency, Incident Weather, and Rest Period. These factors for not completing against schedule are typically determined prior to a crew arriving at a job site and not being able to complete the work as scheduled.</p>	Henry Swast	5/30/2024	6/13/2024	6/13/2024	https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-012	0	NA	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Tags	
856	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	13	CPUC - SPD (Safety Policy Division)_016_013	<p>The following qualitative reference information from the provided in response to the previous Data Request CPUC-SPD (Safety Policy Division)_004</p> <p>a. Provide an updated version of "WMP-Discovery2023_DR_SPD_016-Q014A44H0CONRF" that includes the data from 2023 and any adjustments since the previous submission made to update data in previous years by PG&E to "WMP-Discovery2023_DR_SPD_016-Q014A44H0CONRF" indicate 49 CPUC-responsible ignitions occurred during R3, R4, or R5 (R4) conditions in 2022. The spreadsheet also notes in 2022 there were 3,472,209 Overhead Circuit Mile Days (CMDs) in R3, R4 or R5 conditions. During 49 ignitions by 3,472,209 CMDs 100,000 means an ignition rate of 1.41 ignitions per 100k CMD R3-R5 conditions. The ISM recorded a response graph which indicates the ignition rate was 1.03 when SPD and/or other data was produced by PG&E (see Figure 3 on page 6 of the Q1 2024 ISM report, available at PG&E Independent Safety Report (ISR) link). The next ignition area after (the rate also appears to differ from other ignition rates compared in the following table), but appear to have similar rates and presumably the same methodology or data sources over the other.</p> <p>b. Explain the discrepancy, and if there was a different methodology or data source.</p> <p>c. Discuss the difference and the advantages of one methodology or data source over the other.</p> <p>Data supplied to CPUC-SPD (Safety Policy Division)_004</p> <p>FFI</p> <p>Ignition Rate</p> <p>R3</p> <p>R4</p> <p>R5</p> <p>Total (R4)</p> <p>2022</p> <p>2023</p> <p>2024</p> <p>1.41</p> <p>Ignitions in HTDF/FRA</p> <p>21</p>	<p>PG&E is internal methodology for calculating the results of the results from 2022 year 0.55 R3-R5 ignitions per circuit mile. The graph clearly shows the ISM analysis where the cumulative circuit mile day total used as the denominator represented the total number of circuit miles in R3 conditions calculated at the Five Index Area (FIA) level. PG&E's internal methodology uses the cumulative circuit mileage associated with an FFI value calculated for each circuit mile, a more granular approach.</p> <p>The circuit-specific circuit mileage data was unavailable at the time of the ISM's analysis.</p> <p>PG&E's internal approach of calculating the ignitions and cumulative circuit miles associated with the FFI calculated for each independent circuit mile greater and better representation of the risk associated (in terms of high FFI ignitions in safety places) versus the exposure for that risk in that period. In addition, the circuit-level values better align with our operational obligations (for example, when we would enable EPSS protection).</p>	Henry Swast	5/30/2024	6/4/2024	6/4/2024	https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-013	0	NA	8	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increases in Risk Events
857	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	14	CPUC - SPD (Safety Policy Division)_016_014	<p>SPD understands PG&E recently attended the 2024 Annual Conference International Wildfire Risk Mitigation Consortium (iwrmc.com). Provide all presentations from that conference and provide the Conference program/agenda.</p>	<p>The International Wildfire Risk Mitigation Consortium 2024 Annual Conference agenda is provided here: https://www.iwrmc.com/2024-annual-conference-agenda/</p> <p>Please see table below for presentations made by PG&E employees and which are attached to this response. Agenda Item: The Attachment Name</p> <p>Learning Lead to Identify a Major Risk Associated with Low Hanging Communication Lines</p> <p>WMP-Discovery2023_DR_SPD_016-Q014A44H0CONRF.pdf</p> <p>Panel Discussion & Roundtable Q&A: EPSS Evaluation</p> <p>PG&E Wildfire Risk Models - Overview & Incorporation of Egress, Depression, and Internal Resources</p> <p>WMP-Discovery2023_DR_SPD_016-Q014A44H0CONRF.pdf</p> <p>Wildfire Risk Mitigation - Overview & Incorporation of Egress, Depression, and Internal Resources</p> <p>WMP-Discovery2023_DR_SPD_016-Q014A44H0CONRF.pdf</p> <p>Wildfire Risk Mitigation - Overview & Incorporation of Egress, Depression, and Internal Resources</p> <p>WMP-Discovery2023_DR_SPD_016-Q014A44H0CONRF.pdf</p> <p>PG&E 2024 Ignition Management</p> <p>WMP-Discovery2023_DR_SPD_016-Q014A44H0CONRF.pdf</p>	Henry Swast	5/30/2024	6/4/2024	6/4/2024	https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-014	0	NA	8	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increases in Risk Events
857	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	14b	CPUC - SPD (Safety Policy Division)_016_014b	<p>SPD understands PG&E recently attended the 2024 Annual Conference International Wildfire Risk Mitigation Consortium (iwrmc.com). Provide all presentations from that conference and provide the Conference program/agenda.</p>	<p>Here is a copy of the IWRMC Ad-hoc Conference agenda that we can share with you. Unfortunately, the presentations made during the conference are all proprietary to the individual companies that presented them. We are precluded by NDA from releasing them to you non-member.</p> <p>EC Source and our partner firms are deeply committed and proud to be associated with the International Wildfire Risk Mitigation Consortium (IWRMC). Over the past 4 years, we have been bringing the safety, compliance, construction, engineering firms and technology vendors, as well as key external stakeholders such as Universities, Emergency response, Land Management, Forestry and other agencies, together to address the existential threat of wildfire and broader climate change.</p> <p>The mission of the program is to accelerate learning and sharing of best practices among industry participants, to gather and share research, ideas, strategies and experiences from around the world, and to focus the activities and initiatives of program members on these areas and challenges that offer the greatest leverage in effectively and economically reducing wildfire risk.</p> <p>We believe that Regulations and sound regulation are critically important to enabling the industry to successfully navigate the risks of climate change. We would be pleased to share risk mitigation information about the program with SPD if you wish. We would be happy to meet with you. Please let us know and we can set up a call to discuss your interests and how we might be able to help.</p>	Henry Swast	5/30/2024	6/7/2024	6/7/2024	https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-014b	1	NA	8	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increases in Risk Events
858	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	15	CPUC - SPD (Safety Policy Division)_016_015	<p>These questions are based off the Pole Loading Assessment work described in Section 8.1.3.4 of "The ISM, 2024-011/10/04, PG&E 2023/03/05, Wildfire Mitigation Plan, Revision 3.rpt"</p> <p>a. Provide summary statistics for the pole loading calculations already performed including:</p> <p>i. Number of poles calculated remaining in the HTDF</p> <p>ii. Number of poles where the calculated safety factor was less than the safety factor specified by GO-95, Rule 44.1, Table 4 in the HTDF</p> <p>iii. Number of poles where the calculated safety factor was less than the safety factor specified by GO-95, Rule 44.2 in the HTDF</p> <p>iv. Number of poles where the calculated safety factor was less than the safety factor specified by GO-95, Rule 44.3 in the HTDF despite no strength deterioration being incorporated into the calculation.</p> <p>b. Provide an updated completion date for the program for both HTDF and non-HTDF areas.</p> <p>c. How are the calculated safety factors used for the safety factor specified by GO-95, Rule 44.1, Table 4 or GO-95, Rule 44.2. Discuss ignition root causes.</p> <p>d. Discuss how the information related to the pole loading assessment is profiled to react upon inspection.</p> <p>e. Provide the leading criteria used for the pole loading assessments.</p> <p>f. Describe how the pole loading assessments incorporate the minimum inspection date from the Pole Test and Treat program, and how the Pole Test and Treat program will incorporate the pole loading data when performing inspections.</p> <p>g. Describe how the pole loading assessments incorporate observations from system inspections, such as leaning or damaged poles.</p> <p>h. Describe PG&E's actions when the calculated safety factor for a pole is less than the safety factor specified by GO-95, Rule 44.1, Table 4 and especially when the calculated safety factor for a pole is less than the safety factor specified by GO-95, Rule 44.3.</p> <p>i. Discuss calculations performed on resources and conductors, and provide similar data as requested in part (a).</p> <p>j. Provide "WMP-Discovery2023_DR_Calculations_2023-06/06/2023" for "if any of these poles calculations does not include a pole calculation with a down pin, provide a productivity/creep pole calculation with a down pin."</p> <p>k. How does the transition from traditional and traditional methods to the construction of calculated safety factors work?</p>	<p>The P&A Program completed design-based assessments on approximately 530,000 poles in HTDF areas. The pole loading for the remaining poles in HTDF areas has been assessed through other programs, such as system balancing.</p> <p>The P&A Program is remaining open to HTDF areas for the P&A Program.</p> <p>PG&E is currently performing the highest data for a comprehensive engineering analysis (which includes field validation, where applicable), but the results are not yet available but will be available after the analysis is complete.</p> <p>Please see the response to subpart (a) above which explains our process and why the requested information is not yet available.</p> <p>Please see the response to subpart (a) above which explains our process and why the requested information is not yet available.</p> <p>Please see the response to subpart (a) above which explains our process and why the requested information is not yet available.</p> <p>Please see the response to subpart (a) above which explains our process and why the requested information is not yet available.</p> <p>PG&E has no targeted assessment plans in non-HTDF areas.</p> <p>PG&E has not started assessing poles in non-HTDF areas. An added in subpart (a), PG&E has not started assessing poles in non-HTDF areas.</p>	Henry Swast	5/30/2024	6/13/2024	6/13/2024	https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-015	1	NA	8	Section 8.1.3 - Asset Inspection	8.1.3.2.4 LOP Based Pole Loading Assessments	
859	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	16	CPUC - SPD (Safety Policy Division)_016_016	<p>CONFIDENTIAL - Provide the data in excel format used to create the chart in slide 2, 5, 6, 9 of the presentation to the Risk Management Committee presented on October 12, 2023 (sent to SPD as "WMP-Discovery2023_DR_SPD_016-Q014A44H0CONRF")</p>	<p>Please see attachment "WMP-Discovery2023-2025_DR_SPD_016-Q014A44H0CONRF" for the requested information.</p>	Henry Swast	5/30/2024	6/13/2024	6/13/2024	https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-016	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-09 - Discuss in Detailed Distribution Inspections	

704	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_01206	1266	CPUC - SPD (Safety Policy Division)_019_01206	<p>SPD understands FTI program was performed on areas with 45.76 strikes per mile. Separately, SPD understands PG&E has roughly 200 strikes per mile across its FTID. SPD understands that number of trees is not equal to risk - but is worried that the program is being performed in areas with less strikes per mile. Can you double check that the number is correct given the context?</p>	Henry Sweet	9/30/2024	10/2/2024	10/1/2024	https://www.pge.com/Content/Attachments/019_01206_CPUC_SPD_019_01206	0	NA	8.2.2.5	Vegetation Management and Inspections	Fouced Tree Inspectors
705	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_013	13	CPUC - SPD (Safety Policy Division)_019_013	<p>Provide ignition reports (also known as PIIR) for CPUC reportable ignitions that occurred on R3+ days in 2024</p>	Henry Sweet	8/29/2024	9/12/2024	9/12/2024	https://www.pge.com/Content/Attachments/019_013_CPUC_SPD_019_013	7	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increase in Risk Events
706	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_014	14	CPUC - SPD (Safety Policy Division)_019_014	<p>Provide ignition reports (also known as PIIR) for CPUC reportable ignitions that occurred on days when EPSS was enabled in 2024. Reports already provided in response to Question 13 need not be resubmitted in response to Question 14.</p>	Henry Sweet	8/29/2024	9/12/2024	9/12/2024	https://www.pge.com/Content/Attachments/019_014_CPUC_SPD_019_014	2	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increase in Risk Events
707	CPUC - SPD (Safety Policy Division)	020	CPUC - SPD (Safety Policy Division)_020_021	1	CPUC - SPD (Safety Policy Division)_020_021	<p>Please provide a copy of the sample spreadsheet with data documented and presented in the mapping of R302023 at least from PG&E and CPUC/SPD with the agreed-upon format.</p>	Edwin Davila	8/27/2024	9/4/2024	9/4/2024	https://www.pge.com/Content/Attachments/020_021_CPUC_SPD_020_021	1	NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures
708	CPUC - SPD (Safety Policy Division)	021	CPUC - SPD (Safety Policy Division)_021_011	1	CPUC - SPD (Safety Policy Division)_021_011	<p>1. Complete tabs 2 through 6 of the attached spreadsheet. For tabs 2 through 5, complete a corresponding data row for each of the 114 mitigation activities in the most recent QDR. Table 11 according to the directions in the spreadsheet and the two attached guidance documents listed below Guidance for Account Tracking (Applicable to tab 2 through 5)</p>	Kevin Miller	9/10/2024	10/4/2024	10/4/2024	https://www.pge.com/Content/Attachments/021_011_CPUC_SPD_021_011	1	NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures
708	CPUC - SPD (Safety Policy Division)	021	CPUC - SPD (Safety Policy Division)_021_011	101	CPUC - SPD (Safety Policy Division)_021_011	<p>1. Complete tabs 2 through 6 of the attached spreadsheet. For tabs 2 through 5, complete a corresponding data row for each of the 114 mitigation activities in the most recent QDR. Table 11 according to the directions in the spreadsheet and the two attached guidance documents listed below Guidance for Account Tracking (Applicable to tab 2 through 5)</p>	Kevin Miller	9/10/2024	10/1/2024	10/1/2024	https://www.pge.com/Content/Attachments/021_011_CPUC_SPD_021_011	1	NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures
708	CPUC - SPD (Safety Policy Division)	021	CPUC - SPD (Safety Policy Division)_021_013	1933	CPUC - SPD (Safety Policy Division)_021_013	<p>1. Complete tabs 2 through 6 of the attached spreadsheet. For tabs 2 through 5, complete a corresponding data row for each of the 114 mitigation activities in the most recent QDR. Table 11 according to the directions in the spreadsheet and the two attached guidance documents listed below Guidance for Account Tracking (Applicable to tab 2 through 5)</p>	Kevin Miller	9/10/2024	10/18/2024	10/18/2024	https://www.pge.com/Content/Attachments/021_013_CPUC_SPD_021_013	1	NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures
708	CPUC - SPD (Safety Policy Division)	021	CPUC - SPD (Safety Policy Division)_021_013	1933	CPUC - SPD (Safety Policy Division)_021_013	<p>1. Complete tabs 2 through 6 of the attached spreadsheet. For tabs 2 through 5, complete a corresponding data row for each of the 114 mitigation activities in the most recent QDR. Table 11 according to the directions in the spreadsheet and the two attached guidance documents listed below Guidance for Account Tracking (Applicable to tab 2 through 5)</p>	Kevin Miller	9/10/2024	10/25/2024			NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures	

Pre-Discovery 12	CaPA	Set WMP-03	CaPA_Set WMP-03	5	CaPA_Set WMP-03_Q3	<p>For each WMP initiative listed below, please state how the modeled Wildlife Risk Scores for each circuit or circuit segment influenced how you performed work in 2022.</p> <p>A. EIM B. Covered conductor installation C. Undergrounding D. Distribution pole replacement E. O&D installation F. Disabled inspections of distribution assets G. Disabled inspections of transmission assets H. Animal inspections of distribution assets I. Animal inspections of transmission assets J. LIDAR inspections of distribution assets K. LIDAR inspections of transmission assets</p>	<p>6. EIM work in 2022 was informed by a modification of the 2021 Wildlife Distribution Risk Model (WDRM). The revised output from the 2021 WDRM is referred to as the EIM Weighted Prioritization. The EIM Weighted Prioritization prioritized the high risk CPOs with the associated miles and estimated time to produce the 2022 EIM Scope of Work as described in the 2022 WMP Section 7.1.8. In 2022, the goal for the EIM program was (1) to perform at least 80% of 2022 EIM work on the highest 20% of the risk-ranked miles, and (2) to perform approximately 1,800 miles of EIM work by the end of the year.</p> <p>7. As described in the 2022 WMP Section 3.3.1.1.7 "System Hardening - Distribution," PG&E targeted the highest wildlife risk miles and applied various mitigations such as line removal, correction from overhead to underground, and in-place application of remote grid alternatives, mitigation of exposure through relocation of overhead facilities, and in-place overhead system hardening (insulation added).</p> <p>8. For 2022, the highest wildlife risk miles were separated into four categories: 1. The top 20 percent of circuit segments as defined by PG&E's 2021 WDRM v2 for System Hardening. 2. File and Major Emergency rebuild within HFD. 3. PSES mitigation projects. 4. Locations identified by PG&E's Public Safety Specialist (PSS) team as presenting elevated wildlife risk.</p> <p>9. Locations identified by PG&E's Public Safety Specialist (PSS) team as presenting elevated wildlife risk. The primary approach used for selecting and prioritizing circuit segments for covered conductor installation was based on the 2021 WDRM v2. As described in the 2022 WMP Section 3.3.1.7.6 "Substation Risk Reduction Program," PG&E did not identify these circuit segments as a risk model.</p> <p>10. As described in the 2022 WMP Section 3.3.1.7.6 "Substation Risk Reduction Program and Reinforcement," PG&E did not identify these circuit segments as a risk model.</p> <p>11. The 2022 EIM Scope of Work was based on the prioritization from the 2021 WDRM v2 circuit prioritization areas identified by the EIM Team Weighted Prioritization based on external factors and leveraging efficiency of bundling where possible.</p> <p>12. The circuit segments selected for the installation of covered conductors in the System Hardening program were based on the highest wildlife risk criteria described in response to Question (5). To then sequence projects, PG&E assesses the risk reduction and readiness of each project based on the stage of the work (e.g., design/procurement, permit acquisition, construction) to appropriately schedule each individual project, as the development time for each project can vary widely. Once projects are in the construction phase, schedules can continue to evolve based on various factors that impact project reaction, including unanticipated weather, material availability, and customer preference of timing of re-construction.</p> <p>13. The circuit segments selected for the installation of underground lines in the System Hardening program were based on the highest wildlife risk criteria described in response to Question (5). To then sequence projects, PG&E assesses the risk reduction and readiness of each project in each stage of the work (e.g., design/procurement, permit acquisition, land rights acquisition, construction) to appropriately schedule each individual project, as the development time for each project can vary widely. Once projects are in the construction phase, schedules can continue to evolve based on various factors that impact project reaction including unanticipated weather, material availability, community limitations (e.g., road closures), customer preference of timing of re-construction, discovery of bad rock, and/or discovery of unanticipated utility infrastructure.</p> <p>14. After the work in 2022 is prioritized based on the process described in Q05, the pole replacement sequencing was determined based on each pole's priority factor, estimating and material readiness, and crew and clearance availability. Wildlife risk scores were not a factor in determining sequencing after prioritization.</p> <p>15. For grid reconfiguration, Wildlife Risk scores were not a factor in determining how work was sequenced.</p> <p>16. In 2022, wildlife risk scores were not a factor in how distribution ground inspections were sequenced. Inspections were sequenced based on field conditions including physical access, environmental restrictions, permitting constraints and other site-specific issues.</p> <p>17. In 2022, the overhead transmission assets in the work plan for inspection were each labeled with the average wildlife risk of their line circuit for consideration in inspection sequencing. Assets were typically grouped by line for the reason that the sequence prioritization also considers operational field knowledge and constraints, including restricted physical access periods, to allow the schedule for completion.</p> <p>18. For transmission lines, the sequence prioritization also considers operational field knowledge and constraints, including restricted physical access periods, to allow the schedule for completion.</p> <p>19. For distribution lines, the sequence prioritization also considers operational field knowledge and constraints, including restricted physical access periods, to allow the schedule for completion.</p> <p>20. In 2022, the overhead transmission assets in work plan for inspection were each labeled with the average wildlife risk of their line circuit for consideration in inspection sequencing. Assets were typically grouped by line for the reason that the sequence prioritization also considers operational field knowledge and constraints, including restricted physical access periods, to allow the schedule for completion.</p>	Holly Wetmore	2/7/2023	3/1/2023	3/1/2023	0	NA	2022 WMP Section 7.1	Wildlife Mitigation Strategy Development	NA
Pre-Discovery 13	CaPA	Set WMP-03	CaPA_Set WMP-03	6	CaPA_Set WMP-03_Q6	<p>For each WMP initiative listed below, please state how the modeled Wildlife Risk Scores for each circuit or circuit segment influenced how work in 2022 was sequenced.</p> <p>A. EIM B. Covered conductor installation C. Undergrounding D. Distribution pole replacement E. O&D installation F. Disabled inspections of distribution assets G. Disabled inspections of transmission assets H. Animal inspections of distribution assets I. Animal inspections of transmission assets J. LIDAR inspections of distribution assets K. LIDAR inspections of transmission assets</p>	<p>1. PG&E is not conducting EVM in 2023.</p> <p>2. Please refer to the responses to Question 7b, which also applies to 2024.</p> <p>3. Please refer to the responses to Question 7c, which also applies to 2024.</p> <p>4. For transmission lines, there is no targeted work planned in 2023 for grid reconfiguration. For distribution, there is no targeted work planned in 2024 for grid reconfiguration as it takes more time related to EPC reliability will be incorporated into the base reliability programs.</p> <p>5. In 2024, PG&E's detailed ground inspection plan will be informed by wildlife risk and wildlife consequences as described in the 2022 WMP Section 8.1.2.1. PG&E developed a sequenced inspection plan for each mile that includes the consequences, severity, and overall consequences plan maps will be inspected annually, high consequence plan maps will be inspected every year and all other plan maps will be inspected once every three years. Structures that contain birds are inspected every 100 percent of wildlife risk but are not already included in a plan map that is being inspected by ground or aerial are also included in the 2024 ground inspection plan.</p> <p>6. In 2024, wildlife risk and wildlife consequences will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and baseline frequency of every three years for PFTD/FRA assets). Specifically, highest wildlife risk and wildlife consequences locations were included in the 2024 scope.</p> <p>7. In 2024, PG&E's distribution aerial inspection plan will be informed by wildlife risk and wildlife consequences as described in the 2022 WMP Section 8.1.2.1. For aerial inspection, PG&E used the same plan map level designation that we used for detailed ground inspections and as described in Section 8.1.2.1. The search frequency and plan maps will be included in the 2024 plan map and will be updated in 2023 plan maps.</p> <p>8. In 2024, wildlife risk and wildlife consequences will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and baseline frequency of every three years for PFTD/FRA assets). Specifically, highest wildlife risk and wildlife consequences locations were included in the 2024 scope.</p> <p>9. PG&E does not have a stand-alone LIDAR distribution inspection program that collects LIDAR data on distribution to support service needs, including light mapping for aerial inspections and engineering analyses, such as pole loading calculations. PG&E did not use the wildlife risk model in 2023 or 2022 to select locations or sequence LIDAR collection activities.</p> <p>10. PG&E does not use risk informed prioritization for Transmission LIDAR inspections, rather, it inspects 100 percent of the system annually using LIDAR. The Transmission Roadside NERC and Non-NERC inspection cycle consists of LIDAR inspection followed by a ground patrol based on LIDAR findings. The LIDAR inspection provides an inventory of potential vegetation encroachment and other issues that are not visible from the ground.</p>	Holly Wetmore	2/7/2023	3/1/2023	3/1/2023	0	NA	2022 WMP Section 7.1	Wildlife Mitigation Strategy Development	NA
Pre-Discovery 14	CaPA	Set WMP-03	CaPA_Set WMP-03	7	CaPA_Set WMP-03_Q7	<p>For each WMP initiative listed below, please state how the modeled Wildlife Risk Scores for each circuit or circuit segment influenced how you plan to perform work in 2023.</p> <p>A. EIM B. Covered conductor installation C. Undergrounding D. Distribution pole replacement E. O&D installation F. Disabled inspections of distribution assets G. Disabled inspections of transmission assets H. Animal inspections of distribution assets I. Animal inspections of transmission assets J. LIDAR inspections of distribution assets K. LIDAR inspections of transmission assets</p>	<p>1. PG&E is not conducting EVM in 2023.</p> <p>2. Please refer to the responses to Question 7b, which also applies to 2024.</p> <p>3. Please refer to the responses to Question 7c, which also applies to 2024.</p> <p>4. For transmission lines, there is no targeted work planned in 2023 for grid reconfiguration. For distribution, there is no targeted work planned in 2024 for grid reconfiguration as it takes more time related to EPC reliability will be incorporated into the base reliability programs.</p> <p>5. In 2024, PG&E's detailed ground inspection plan will be informed by wildlife risk and wildlife consequences as described in the 2022 WMP Section 8.1.2.1. PG&E developed a sequenced inspection plan for each mile that includes the consequences, severity, and overall consequences plan maps will be inspected annually, high consequence plan maps will be inspected every year and all other plan maps will be inspected once every three years. Structures that contain birds are inspected every 100 percent of wildlife risk but are not already included in a plan map that is being inspected by ground or aerial are also included in the 2024 ground inspection plan.</p> <p>6. In 2024, wildlife risk and wildlife consequences will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and baseline frequency of every three years for PFTD/FRA assets). Specifically, highest wildlife risk and wildlife consequences locations were included in the 2024 scope.</p> <p>7. In 2024, PG&E's distribution aerial inspection plan will be informed by wildlife risk and wildlife consequences as described in the 2022 WMP Section 8.1.2.1. For aerial inspection, PG&E used the same plan map level designation that we used for detailed ground inspections and as described in Section 8.1.2.1. The search frequency and plan maps will be included in the 2024 plan map and will be updated in 2023 plan maps.</p> <p>8. In 2024, wildlife risk and wildlife consequences will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and baseline frequency of every three years for PFTD/FRA assets). Specifically, highest wildlife risk and wildlife consequences locations were included in the 2024 scope.</p> <p>9. PG&E does not have a stand-alone LIDAR distribution inspection program that collects LIDAR data on distribution to support service needs, including light mapping for aerial inspections and engineering analyses, such as pole loading calculations. PG&E did not use the wildlife risk model in 2023 or 2022 to select locations or sequence LIDAR collection activities.</p> <p>10. PG&E does not use risk informed prioritization for Transmission LIDAR inspections, rather, it inspects 100 percent of the system annually using LIDAR. The Transmission Roadside NERC and Non-NERC inspection cycle consists of LIDAR inspection followed by a ground patrol based on LIDAR findings. The LIDAR inspection provides an inventory of potential vegetation encroachment and other issues that are not visible from the ground.</p>	Holly Wetmore	2/7/2023	3/1/2023	3/1/2023	0	NA	2022 WMP Section 7.1	Wildlife Mitigation Strategy Development	NA
Pre-Discovery 15	CaPA	Set WMP-03	CaPA_Set WMP-03	8	CaPA_Set WMP-03_Q8	<p>For each WMP initiative listed below, please state how the modeled Wildlife Risk Scores for each circuit or circuit segment influenced how work in 2022 was sequenced.</p> <p>A. EIM B. Covered conductor installation C. Undergrounding D. Distribution pole replacement E. O&D installation F. Disabled inspections of distribution assets G. Disabled inspections of transmission assets H. Animal inspections of distribution assets I. Animal inspections of transmission assets J. LIDAR inspections of distribution assets K. LIDAR inspections of transmission assets</p>	<p>1. PG&E is not conducting EVM in 2023.</p> <p>2. Please refer to the responses to Question 7b, which also applies to 2024.</p> <p>3. Please refer to the responses to Question 7c, which also applies to 2024.</p> <p>4. For transmission lines, there is no targeted work planned in 2023 for grid reconfiguration. For distribution, there is no targeted work planned in 2024 for grid reconfiguration as it takes more time related to EPC reliability will be incorporated into the base reliability programs.</p> <p>5. In 2024, PG&E's detailed ground inspection plan will be informed by wildlife risk and wildlife consequences as described in the 2022 WMP Section 8.1.2.1. PG&E developed a sequenced inspection plan for each mile that includes the consequences, severity, and overall consequences plan maps will be inspected annually, high consequence plan maps will be inspected every year and all other plan maps will be inspected once every three years. Structures that contain birds are inspected every 100 percent of wildlife risk but are not already included in a plan map that is being inspected by ground or aerial are also included in the 2024 ground inspection plan.</p> <p>6. In 2024, wildlife risk and wildlife consequences will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and baseline frequency of every three years for PFTD/FRA assets). Specifically, highest wildlife risk and wildlife consequences locations were included in the 2024 scope.</p> <p>7. In 2024, PG&E's distribution aerial inspection plan will be informed by wildlife risk and wildlife consequences as described in the 2022 WMP Section 8.1.2.1. For aerial inspection, PG&E used the same plan map level designation that we used for detailed ground inspections and as described in Section 8.1.2.1. The search frequency and plan maps will be included in the 2024 plan map and will be updated in 2023 plan maps.</p> <p>8. In 2024, wildlife risk and wildlife consequences will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and baseline frequency of every three years for PFTD/FRA assets). Specifically, highest wildlife risk and wildlife consequences locations were included in the 2024 scope.</p> <p>9. PG&E does not have a stand-alone LIDAR distribution inspection program that collects LIDAR data on distribution to support service needs, including light mapping for aerial inspections and engineering analyses, such as pole loading calculations. PG&E did not use the wildlife risk model in 2023 or 2022 to select locations or sequence LIDAR collection activities.</p> <p>10. PG&E does not use risk informed prioritization for Transmission LIDAR inspections, rather, it inspects 100 percent of the system annually using LIDAR. The Transmission Roadside NERC and Non-NERC inspection cycle consists of LIDAR inspection followed by a ground patrol based on LIDAR findings. The LIDAR inspection provides an inventory of potential vegetation encroachment and other issues that are not visible from the ground.</p>	Holly Wetmore	2/7/2023	3/1/2023	3/1/2023	0	NA	2022 WMP Section 7.1	Wildlife Mitigation Strategy Development	Wildlife Mitigation Strategy
Pre-Discovery 16	CaPA	Set WMP-03	CaPA_Set WMP-03	9	CaPA_Set WMP-03_Q9	<p>For each WMP initiative listed below, please state how the modeled Wildlife Risk Scores for each circuit or circuit segment influenced how you plan to perform work in 2024.</p> <p>A. EIM B. Covered conductor installation C. Undergrounding D. Distribution pole replacement E. O&D installation F. Disabled inspections of distribution assets G. Disabled inspections of transmission assets H. Animal inspections of distribution assets I. Animal inspections of transmission assets J. LIDAR inspections of distribution assets K. LIDAR inspections of transmission assets</p>	<p>1. PG&E is not conducting EVM in 2024.</p> <p>2. Please refer to the responses to Question 7b, which also applies to 2024.</p> <p>3. Please refer to the responses to Question 7c, which also applies to 2024.</p> <p>4. For transmission lines, there is no targeted work planned in 2024 for grid reconfiguration. For distribution, there is no targeted work planned in 2024 for grid reconfiguration as it takes more time related to EPC reliability will be incorporated into the base reliability programs.</p> <p>5. In 2024, PG&E's detailed ground inspection plan will be informed by wildlife risk and wildlife consequences as described in the 2022 WMP Section 8.1.2.1. PG&E developed a sequenced inspection plan for each mile that includes the consequences, severity, and overall consequences plan maps will be inspected annually, high consequence plan maps will be inspected every year and all other plan maps will be inspected once every three years. Structures that contain birds are inspected every 100 percent of wildlife risk but are not already included in a plan map that is being inspected by ground or aerial are also included in the 2024 ground inspection plan.</p> <p>6. In 2024, wildlife risk and wildlife consequences will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and baseline frequency of every three years for PFTD/FRA assets). Specifically, highest wildlife risk and wildlife consequences locations were included in the 2024 scope.</p> <p>7. In 2024, PG&E's distribution aerial inspection plan will be informed by wildlife risk and wildlife consequences as described in the 2022 WMP Section 8.1.2.1. For aerial inspection, PG&E used the same plan map level designation that we used for detailed ground inspections and as described in Section 8.1.2.1. The search frequency and plan maps will be included in the 2024 plan map and will be updated in 2023 plan maps.</p> <p>8. In 2024, wildlife risk and wildlife consequences will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and baseline frequency of every three years for PFTD/FRA assets). Specifically, highest wildlife risk and wildlife consequences locations were included in the 2024 scope.</p> <p>9. PG&E does not have a stand-alone LIDAR distribution inspection program that collects LIDAR data on distribution to support service needs, including light mapping for aerial inspections and engineering analyses, such as pole loading calculations. PG&E did not use the wildlife risk model in 2023 or 2022 to select locations or sequence LIDAR collection activities.</p> <p>10. PG&E does not use risk informed prioritization for Transmission LIDAR inspections, rather, it inspects 100 percent of the system annually using LIDAR. The Transmission Roadside NERC and Non-NERC inspection cycle consists of LIDAR inspection followed by a ground patrol based on LIDAR findings. The LIDAR inspection provides an inventory of potential vegetation encroachment and other issues that are not visible from the ground.</p>	Holly Wetmore	2/7/2023	3/1/2023	3/1/2023	0	NA	2022 WMP Section 7.1	Wildlife Mitigation Strategy Development	Wildlife Mitigation Strategy

Pre-Discovery 38	CaPA	Sat WMP-06	CaPA_Sat WMP-06	13	CaPA_Sat WMP-06_013	<p>Identify any ignitions in 2022 associated with assets where you had an existing corrective notification at the time of the assessment. Please provide a spreadsheet listing each ignition (as rows) with the following information in the spreadsheet:</p> <p>a) Unique Ignition ID b) Date of Ignition c) Cause of Ignition d) Assets involved with the ignition e) Areas burned f) Number of ignites associated with the ignition g) Number of ignites associated with ignition, if any h) Asset ID of asset associated with ignition i) Circuit ID number of circuit associated with ignition (notification number) for the existing maintenance log on the asset in question.</p>	<p>Please see the table below identifying 2022 CPUC-regulatable ignitions where the asset involved in the ignition was associated with an existing open corrective maintenance notification at the time of the event.</p> <p>Ignition ID Date of Ignition Suspected Cause Equipment Type Associated Area Site Name Fire Size Structure Overhead or Underground Notification 2022/2/14/2022 Equipment 2022/2/14/2022 Equipment Fulcrum Primary 13P 13P Area ID 101844229 MESA 1 103 121931783 20220813 10170222 Equipment Fulcrum Fulcrum Clamp Connector 1 meter <0 meter ID 102242548 SAN RAFAEL 18442292</p>	Hedy Walkman	2/10/2023	3/29/2023	3/29/2023	0	NA	2022 WMP Section 7.3.4	Asset Management and Inspectors	NA	
Pre-Discovery 39	CaPA	Sat WMP-06	CaPA_Sat WMP-06	14	CaPA_Sat WMP-06_014	<p>a) Has PG&E's Asset Failure Analysis Team usually corrected any ignitions that occurred in 2022 to assets with existing asset or vegetation corrective notification at the time of the ignition? b) If the answer to part (a) is yes, please provide the following information on each such ignition: i. Unique Ignition ID (matching the previous question) ii. Date of Ignition c) Cause(s) identified by the Asset Failure Analysis Team d. The type of corrective notification that was issued on the ignition (i.e., the priority level and whether it related to asset management or vegetation management). e. Causes of associated reports or investigations performed by the Asset Failure Analysis Team.</p>	<p>Has PG&E's Asset Failure Analysis Team usually corrected any ignitions that occurred in 2022 to assets with existing asset or vegetation corrective notification at the time of the ignition? b) If the answer to part (a) is yes, please provide the following information on each such ignition: i. Unique Ignition ID (matching the previous question) ii. Date of Ignition c) Cause(s) identified by the Asset Failure Analysis Team d. The type of corrective notification that was issued on the ignition (i.e., the priority level and whether it related to asset management or vegetation management). e. Causes of associated reports or investigations performed by the Asset Failure Analysis Team.</p>	Hedy Walkman	2/10/2023	3/29/2023	3/29/2023	0	NA	2022 WMP 7.3.7	Data Governance	Asset Failure Analysis	
Pre-Discovery 40	CaPA	Sat WMP-06	CaPA_Sat WMP-06	15	CaPA_Sat WMP-06_015	<p>The PG&E's response to Data Request California-PGE-2022WRP-17, Question 11, March 24, 2022. PG&E's inspection strategy in 2022 was to complete detailed inspections on all assets in HFDT Tier 3 and Zone 1, and on all assets in the remaining areas of assets in HFDT Tier 2.</p> <p>a) Please describe any changes to the above strategy for PG&E's detailed distribution inspections in 2023. b) Please describe any changes to the above strategy for PG&E's detailed transmission inspections in 2023. c) Please describe any changes to the above strategy for PG&E's detailed distribution inspections in 2024. d) Please describe any changes to the above strategy for PG&E's detailed transmission inspections in 2024.</p>	<p>The PG&E's response to Data Request California-PGE-2022WRP-17, Question 11, March 24, 2022. PG&E's inspection strategy in 2022 was to complete detailed inspections on all assets in HFDT Tier 3 and Zone 1, and on all assets in the remaining areas of assets in HFDT Tier 2.</p> <p>a) Please describe any changes to the above strategy for PG&E's detailed distribution inspections in 2023. b) Please describe any changes to the above strategy for PG&E's detailed transmission inspections in 2023. c) Please describe any changes to the above strategy for PG&E's detailed distribution inspections in 2024. d) Please describe any changes to the above strategy for PG&E's detailed transmission inspections in 2024.</p>	Hedy Walkman	2/10/2023	3/29/2023	3/29/2023	0	NA	2022 WMP 7.2.1 and 7.2.4.1	Asset Management and Inspectors	NA	
Pre-Discovery 41	CaPA	Sat WMP-06	CaPA_Sat WMP-06	16	CaPA_Sat WMP-06_016	<p>Regarding your PSPS circuit modeling capabilities:</p> <p>a) Please describe your present circuit modeling capabilities with regard to PSPS decision making (PSPS circuit modeling capabilities), including with what level of granularity they are able to determine how circuit hardening efforts or other changes to a line segment will affect PSPS thresholds. b) Please describe any improvements to the present PSPS circuit modeling capabilities that you expect to implement in 2023. c) Please describe any improvements to the present PSPS circuit modeling capabilities that you expect to implement in 2024. d) Please describe the expected state of your PSPS circuit modeling capabilities at the conclusion of the 2023-2025 WMP cycle.</p>	<p>Regarding your PSPS circuit modeling capabilities:</p> <p>a) Please describe your present circuit modeling capabilities with regard to PSPS decision making (PSPS circuit modeling capabilities), including with what level of granularity they are able to determine how circuit hardening efforts or other changes to a line segment will affect PSPS thresholds. b) Please describe any improvements to the present PSPS circuit modeling capabilities that you expect to implement in 2023. c) Please describe any improvements to the present PSPS circuit modeling capabilities that you expect to implement in 2024. d) Please describe the expected state of your PSPS circuit modeling capabilities at the conclusion of the 2023-2025 WMP cycle.</p>	Hedy Walkman	2/10/2023	3/29/2023	3/29/2023	0	NA	PSPS	NA	NA	
Pre-Discovery 42	CaPA	Sat WMP-06	CaPA_Sat WMP-06	17	CaPA_Sat WMP-06_017	<p>a) How you developed Public Safety Power Shutoff (PSPS) risk scores at the circuit/segment level? b) How you developed Enhanced Powerline Safety Settings (EPSS) risk scores at the circuit/segment level? c) If the answer to either part (a) or (b) is yes, please provide a spreadsheet file containing, as the features, the most recent spatial data for each segment for which you have modeled PSPS or EPSS risk scores. Include the following attributes for each circuit/segment: i. Circuit Identification Number ii. Circuit Name iii. Circuit Segment Identification Number iv. Circuit segment-level PSPS Risk Score (if applicable) v. Circuit segment-level EPSS Risk Score (if applicable) d) If the answer to either part (a) or (b) is no, please provide a spreadsheet that lists (as rows) each circuit/segment for which you have modeled PSPS or EPSS risk scores. Include the following attributes for each circuit/segment: i. Circuit Identification Number ii. Circuit Name iii. Circuit Segment Identification Number iv. Circuit segment-level PSPS Risk Score (if applicable) v. Circuit segment-level EPSS Risk Score (if applicable) e) If the answer to part (d) is no, does PG&E intend to develop PSPS risk scores for circuit segments? f) If the answer to part (d) is no, does PG&E intend to develop EPSS risk scores for circuit segments?</p>	<p>a) How you developed Public Safety Power Shutoff (PSPS) risk scores at the circuit/segment level? b) How you developed Enhanced Powerline Safety Settings (EPSS) risk scores at the circuit/segment level? c) If the answer to either part (a) or (b) is yes, please provide a spreadsheet file containing, as the features, the most recent spatial data for each segment for which you have modeled PSPS or EPSS risk scores. Include the following attributes for each circuit/segment: i. Circuit Identification Number ii. Circuit Name iii. Circuit Segment Identification Number iv. Circuit segment-level PSPS Risk Score (if applicable) v. Circuit segment-level EPSS Risk Score (if applicable) d) If the answer to either part (a) or (b) is no, please provide a spreadsheet that lists (as rows) each circuit/segment for which you have modeled PSPS or EPSS risk scores. Include the following attributes for each circuit/segment: i. Circuit Identification Number ii. Circuit Name iii. Circuit Segment Identification Number iv. Circuit segment-level PSPS Risk Score (if applicable) v. Circuit segment-level EPSS Risk Score (if applicable) e) If the answer to part (d) is no, does PG&E intend to develop PSPS risk scores for circuit segments? f) If the answer to part (d) is no, does PG&E intend to develop EPSS risk scores for circuit segments?</p>	Hedy Walkman	2/10/2023	3/29/2023	3/29/2023	2	NA	Risk Score	PSPS/EPSS	NA	NA
Pre-Discovery 43	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	1	CPUC - SPD (Safety Policy Division)_001_01	<p>REFCL requires: REFCL that at Calatoga Circuit Segment ID 102195311 Describe voltage across settings profiles. Describe how sagged fault testing is performed to be conducted. Describe how REFCL sites through remedial fault & when REFCL deenergizes line for permanent faults. Substation Configuration - Describe any substation and/or circuit configuration changes to deploy REFCL. Availability of REFCL sites through remedial fault & when REFCL deenergizes line for permanent faults. Explain when and where you have deployed REFCL at REFCL mitigates. Explain why REFCL is not performed mitigation for broader deployment and confirm PG&E no longer plans to install REFCL at substations per your C&C filing.</p>	<p>REFCL requires: REFCL that at Calatoga Circuit Segment ID 102195311 Describe voltage across settings profiles. Describe how sagged fault testing is performed to be conducted. Describe how REFCL sites through remedial fault & when REFCL deenergizes line for permanent faults. Substation Configuration - Describe any substation and/or circuit configuration changes to deploy REFCL. Availability of REFCL sites through remedial fault & when REFCL deenergizes line for permanent faults. Explain when and where you have deployed REFCL at REFCL mitigates. Explain why REFCL is not performed mitigation for broader deployment and confirm PG&E no longer plans to install REFCL at substations per your C&C filing.</p>	Wendy Alshaddad	2/23/2023	3/29/2023	3/29/2023	0	NA	8.1.8.1.3	Grid Operations and Procedures	Settings of Other Emerging Technologies (e.g., Rapid Fault-First Current Limiters)	
Pre-Discovery 44	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	2	CPUC - SPD (Safety Policy Division)_001_02	<p>EPSS & Supporting Technologies (DCD & Partial Voltage Detection) requires: Explain all activities planned to mitigate EPSS reliability impacts. Explain customer support programs (e.g., battery backup) distinct from or linked to those in place for PSPS implementation. Explain Detailed Ground Fault settings for EPSS enabled circuit segments. Explain DCD 2023-2025 Targets (i.e., 50%, 40% & 20%) precise device conditions or ratings) and whether they fall under HFDT and/or before EPSS events. Explain why yes. To be updated. Explain how many DCD are currently installed including on top 5% risk circuit segments. Explain Partial Voltage Detection using SmartMeters and how new smart meters DCD and EPSS.</p>	<p>EPSS & Supporting Technologies (DCD & Partial Voltage Detection) requires: Explain all activities planned to mitigate EPSS reliability impacts. Explain customer support programs (e.g., battery backup) distinct from or linked to those in place for PSPS implementation. Explain Detailed Ground Fault settings for EPSS enabled circuit segments. Explain DCD 2023-2025 Targets (i.e., 50%, 40% & 20%) precise device conditions or ratings) and whether they fall under HFDT and/or before EPSS events. Explain why yes. To be updated. Explain how many DCD are currently installed including on top 5% risk circuit segments. Explain Partial Voltage Detection using SmartMeters and how new smart meters DCD and EPSS.</p>	Wendy Alshaddad	2/23/2023	3/29/2023	3/29/2023	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings	

Pre-Discovery 71	CaPA	Sat WMP-39	CaPA_Sat WMP-39	10	CaPA_Sat WMP-39_D10	For each of your 2023-2025 WMP system hardening initiatives, please provide disaggregated information related to hardware and critical cables listed in the attached table. Confidential-POE-2023WMP-39 Attachment 2: Add columns as needed.	<p>Critical Miles: Please see Table 1 below for POGE system hardware critical miles for the year 2023-2025. Provide as best the target miles and the actual or projected miles for each year. Please note that while the current System Hardening verification (WMP Initiative GH01) includes planned miles exceeding the annual targets for 2023 and 2024 to account for project dependencies and construction issues that may arise and delay some projects, POGE intends to manage the system hardening portfolio to meet or nearly meet the target miles. Therefore, the projected miles included below for 2023 and 2025 are equivalent to the target.</p> <p>Additionally, the 2023 actual miles have been prepared by NAY codes:</p> <ul style="list-style-type: none"> 1-089303: System hardware projects funded by the CRC/WEMA. 1-089304: System hardware projects in RF-ID that are funded by other programs outside of the CRC/WEMA. Milestones: Account (WMA). 1-0: Work tracked by other (RIS, etc. metrics. See 2). 2-Expenditures. Please see Table 2 below for costs related to 2023-2025 system hardening. <p>Table 1: 2023-2025 Target, Actual, and Projected System Hardware Critical Miles (WMP Initiative GH01)</p> <p>Year Target Actual Projected</p> <p>2023 133 133 133</p> <p>2024 133 133 133</p> <p>2025 133 133 133</p>	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	https://www.epg.com/Presentations/Confidential-POE-2023WMP-39_Attachment2_CriticalMiles.xlsx	0	NA	8.1.2.5	System Hardening	NA
Pre-Discovery 72	CaPA	Sat WMP-39	CaPA_Sat WMP-39	11	CaPA_Sat WMP-39_D11	On page 406 of POGE's 2023-2025 WMP RA, January 8, 2024, POGE provided Table PGSE-4.1.2.3, 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.	<p>Please see attachment "WMP-Discovey2023-2025_DR_CaPAAssociate_039-2013461471.xlsx" for an updated version of the requested table as of February 22, 2024. As discussed in response to Confidential-2023-028, POGE confirmed years 2025 and 2026 because the construction timelines associated with these projects are not known.</p> <p>Please see attachment "WMP-Discovey2023-2025_DR_CaPAAssociate_039-2013461471.xlsx" for an updated version of the requested table as of February 22, 2024.</p>	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	https://www.epg.com/Presentations/Confidential-POE-2023WMP-39_Attachment2_CriticalMiles.xlsx	1	NA	8.1.2.5	System Hardening	NA
Pre-Discovery 73	CaPA	Sat WMP-39	CaPA_Sat WMP-39	12	CaPA_Sat WMP-39_D12	On October 30, 2023, the WfMHA Safety Advisory Board held a meeting. Four documents related to PGSE's proposed distribution system plan are listed in the meeting materials. Are there investigations or government- and investigator-witness safety advisory board meeting (I-2-2023)?	<p>Please provide confidential (i.e., unredacted) copies of these four documents:</p> <ul style="list-style-type: none"> a) Equipment Installation Letter b) Project Plan/Scope c) Prebid Information d) Plant Construction Sketch <p>Please note that the Q230 Plant Construction Sketch includes redlines which reflect updates to the Q230 Plant.</p> <p>Additionally, please note that these attachments contain confidential information.</p>	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	https://www.epg.com/Presentations/Confidential-POE-2023WMP-39_Attachment2_CriticalMiles.xlsx	4	NA	8.1.2.5	System Hardening	NA
Pre-Discovery 74	CaPA	Sat WMP-39	CaPA_Sat WMP-39	13	CaPA_Sat WMP-39_D13	Identify any systems 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:	<p>Please see attachment "WMP-Discovey2023-2025_DR_CaPAAssociate_039-2013461471.xlsx" for a list of OPLC-reportable ignitions that occurred in 2023 where the oldest support structure has an open corrective notification at the time of the ignition event.</p>	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	https://www.epg.com/Presentations/Confidential-POE-2023WMP-39_Attachment2_CriticalMiles.xlsx	1	NA	8	Section 8.3 - Situational Awareness and Forecasting	8.3.1 Existing Ignition Detection Sensors and Systems
Pre-Discovery 75	CaPA	Sat WMP-39	CaPA_Sat WMP-39	14	CaPA_Sat WMP-39_D14	Has PGSE's Asset Failure Analysis Team usually corrected any ignitions that occurred in 2023 to assets with existing asset or vegetation corrective notifications at the time of ignition?	<p>Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration.</p> <p>a) Yes, POGE has corrected ignitions that occurred in 2023 to assets with existing asset or vegetation corrective notifications at the time of ignition.</p> <p>If Yes, please see the table below for the requested information:</p> <p>Ignition ID Ignition Date Approval Category Corrective Notification (Type and Description) Attachment Name</p> <p>020217531223</p> <p>Wire</p> <p>down line</p> <p>no</p> <p>potential</p> <p>asset</p> <p>and</p> <p>conductor</p> <p>corrosion</p> <p>value</p> <p>IC: Notification 12148510 (E-Priority):</p> <p>Vibration damper/ falling off</p> <p>WMP-Discovey2023-2025_DR_CaPAAssociate_039-2013461471.xlsx</p> <p>2023_03_15_15:23</p> <p>02010576151523</p> <p>967 party</p> <p>tench</p> <p>needing</p> <p>steel pole</p> <p>ignited a</p> <p>asset.</p>	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	https://www.epg.com/Presentations/Confidential-POE-2023WMP-39_Attachment2_CriticalMiles.xlsx	4	NA	8	Section 8.3 - Situational Awareness and Forecasting	8.3.1 Existing Ignition Detection Sensors and Systems
Pre-Discovery 75	CaPA	Sat WMP-39	CaPA_Sat WMP-39	14(a)	CaPA_Sat WMP-39_D14(a)	Has PGSE's Asset Failure Analysis Team usually corrected any ignitions that occurred in 2023 to assets with existing asset or vegetation corrective notifications at the time of ignition?	<p>Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration.</p> <p>a) Yes, POGE has corrected ignitions that occurred in 2023 to assets with existing asset or vegetation corrective notifications at the time of ignition.</p> <p>If Yes, please see the table below for the requested information:</p> <p>Ignition ID Ignition Date Approval Category Corrective Notification (Type and Description) Attachment Name</p> <p>020217531223</p> <p>Wire</p> <p>down line</p> <p>no</p> <p>potential</p> <p>asset</p> <p>and</p> <p>conductor</p> <p>corrosion</p> <p>value</p> <p>IC: Notification 12148510 (E-Priority):</p> <p>Vibration damper/ falling off</p> <p>WMP-Discovey2023-2025_DR_CaPAAssociate_039-2013461471.xlsx</p> <p>2023_03_15_15:23</p> <p>02010576151523</p> <p>967 party</p> <p>tench</p> <p>needing</p> <p>steel pole</p> <p>ignited a</p> <p>asset.</p>	Holy Wellman	5/15/2024	5/16/2024	5/16/2024	https://www.epg.com/Presentations/Confidential-POE-2023WMP-39_Attachment2_CriticalMiles.xlsx	4	NA	NA	Section 8.3 - Situational Awareness and Forecasting	8.3.1 Existing Ignition Detection Sensors and Systems
Pre-Discovery 76	CaPA	Sat WMP-39	CaPA_Sat WMP-39	15	CaPA_Sat WMP-39_D15	On page 348 of POGE's 2023-2025 WMP RA, January 8, 2024, POGE stated that it was writing to field safety improvement procedure (D1-8123P-200) and requested to publish the revised procedure by the end of 2023.	<p>Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration.</p> <p>a) Yes, POGE published the revised D1-8123P-200 procedure on December 29, 2023.</p> <p>b) The response is "DURABLE", Chain, Corrective Action Compliance, Failure or Renewal Plan and, applicable to the CRC, February 9, 2024, the D1-8123P-200 procedure was updated to reflect the Health Team Final PPTAT Infrared (IR) Electric Corrective (EC) conditions report of Asset Safety Assessment (ASA).</p> <p>Health Team Final PPTAT Infrared (IR) Electric Corrective (EC) conditions report of Asset Safety Assessment (ASA).</p> <p>02010576151523.</p> <p>a) Yes, POGE published the revised D1-8123P-200 procedure.</p> <p>b) The response to part (a) is no, please state when POGE currently expects to complete the Substation Asset Abatement Effectiveness Study?</p> <p>c) The answer to part (a) is no, please explain the delay.</p> <p>d) The answer to part (b) is no, please state when POGE currently expects to complete the Substation Asset Abatement Effectiveness Study?</p>	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	https://www.epg.com/Presentations/Confidential-POE-2023WMP-39_Attachment2_CriticalMiles.xlsx	1	NA	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Taps
Pre-Discovery 77	CaPA	Sat WMP-39	CaPA_Sat WMP-39	16	CaPA_Sat WMP-39_D16	In response to item request Confidential-POE-2023WMP-19 question 18, April 26, 2023, POGE stated that it was actively analyzing the effectiveness of both covered conductor and bare conductor in combination with EPSS and OCCPP. POGE stated that assets based on the analysis in 2023.	<p>Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration.</p> <p>a) No, POGE has not yet completed the Substation Asset Abatement Effectiveness Study having completed its partnership with the Electric Power Research Institute (EPRI).</p> <p>b) Not applicable.</p> <p>c) At the end of January 2024, EPRI reported more data and a deadline extension of six months to complete the study.</p> <p>d) The answer to part (a) is no, please state when POGE currently expects to complete the Substation Asset Abatement Effectiveness Study.</p> <p>e) The answer to part (a) is no, please explain the delay.</p> <p>f) The answer to part (b) is no, please state when POGE currently expects to complete the Substation Asset Abatement Effectiveness Study.</p>	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	https://www.epg.com/Presentations/Confidential-POE-2023WMP-39_Attachment2_CriticalMiles.xlsx	0	NA	8.1.2	Grid Design and System Hardening	Various
Pre-Discovery 78	CaPA	Sat WMP-39	CaPA_Sat WMP-39	17	CaPA_Sat WMP-39_D17	In response to item request Confidential-POE-2023WMP-27 question 5, August 19, 2023, POGE stated that it was conducting a study to assess the required visibility improvements at locations that have been undergirded and/or have been replaced with covered conductors. POGE stated that anticipated completing the analysis in October 2023.	<p>Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration.</p> <p>a) The study will be primarily adding the results for quality review in preparation for the SB RM 10 Year Undergirding Plan.</p> <p>b) The study will be primarily adding the results for quality review in preparation for the SB RM 10 Year Undergirding Plan.</p> <p>c) The answer to part (a) is no, please explain the delay.</p> <p>d) The answer to part (a) is no, please explain the delay.</p> <p>e) The answer to part (b) is no, please state when POGE currently expects to complete the study.</p> <p>f) The answer to part (b) is no, please explain the delay.</p>	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	https://www.epg.com/Presentations/Confidential-POE-2023WMP-39_Attachment2_CriticalMiles.xlsx	0	NA	8.1.2.12.2	Grid Design and System Hardening	Other Technologies and Systems - Substation Asset Abatement
Pre-Discovery 79	CaPA	Sat WMP-39	CaPA_Sat WMP-39	18	CaPA_Sat WMP-39_D18	In response to item request Confidential-POE-2023WMP-27 question 6, August 16, 2023, POGE stated that it was conducting a study to assess the required visibility improvements at locations that have been undergirded and/or have been replaced with covered conductors. POGE stated that anticipated completing the analysis in October 2023.	<p>Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration.</p> <p>a) POGE is currently adding the results for quality review in preparation for the SB RM 10 Year Undergirding Plan.</p> <p>b) The study will be primarily adding the results for quality review in preparation for the SB RM 10 Year Undergirding Plan.</p> <p>c) The answer to part (a) is no, please explain the delay.</p> <p>d) The answer to part (a) is no, please explain the delay.</p> <p>e) The answer to part (b) is no, please state when POGE currently expects to complete the study.</p> <p>f) The answer to part (b) is no, please explain the delay.</p>	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	https://www.epg.com/Presentations/Confidential-POE-2023WMP-39_Attachment2_CriticalMiles.xlsx	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI POGE 23-18 Progress and Updates on Undergirding and Risk Mitigation

Pre-Discovery 80	CaPA	Set WMP-39	CaPA_Set WMP-39	19	CaPA_Set WMP-39_Q19	<p>In response to data request CaAdvocates-PGE-2023WMP-39 question 5, September 27, 2023, PG&E stated that it expected to publish its 2023 Electric Asset Management Plan by the end of 2023.</p> <p>(a) Has PG&E completed the 2023 Electric Asset Management Plan?</p> <p>(b) If the answer to part (a) is yes, please provide a copy of the 2023 Electric Asset Management Plan.</p> <p>(c) If the answer to part (a) is no, please explain the delay.</p> <p>(d) If the answer to part (a) is no, please state when PG&E currently expects to publish the 2023 Electric Asset Management Plan.</p>	<p>(a) PG&E is working on completing final updates to the 2023 Electric Asset Management Plan and tentatively plans to publish the document in June 2024. PG&E will provide the completed document once it is finalized and published.</p> <p>(b) Not applicable.</p> <p>(c) The 2023 Electric Asset Management Plan has been reviewed and approved by PG&E leadership. However, the document is still going through the technical writer, formatting and processing, along with the other functional areas' asset management plans.</p> <p>(d) PG&E tentatively expects to publish the 2023 Electric Asset Management Plan in June 2024.</p>	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	https://www.pge.com/Power/Operations/Utilities/asset-management/asset-management-plans/2023-caadvocates_019.pdf	0	NA	NA	NA	NA
Pre-Discovery 80	CaPA	Set WMP-39	CaPA_Set WMP-39	19(a)	CaPA_Set WMP-39_Q19(a)	<p>In response to data request CaAdvocates-PGE-2023WMP-39 question 5, September 27, 2023, PG&E stated that it expected to publish its 2023 Electric Asset Management Plan by the end of 2023.</p> <p>(a) Has PG&E completed the 2023 Electric Asset Management Plan?</p> <p>(b) If the answer to part (a) is yes, please provide a copy of the 2023 Electric Asset Management Plan.</p> <p>(c) If the answer to part (a) is no, please explain the delay.</p> <p>(d) If the answer to part (a) is no, please state when PG&E currently expects to publish the 2023 Electric Asset Management Plan.</p>	<p>(a) Please see "WMP-Discovery2023-2025_DR_CaAdvocates_039Q019(a)app1A3601CONF.pdf" for the completed 2023 Electric Asset Management Plan.</p>	Holy Wellman	3/22/2024	6/21/2024	6/18/2024	https://www.pge.com/Power/Operations/Utilities/asset-management/asset-management-plans/2023-caadvocates_019.pdf	1	NA	NA	N-Q375 Q866A	NA
Pre-Discovery 81	CaPA	Set WMP-39	CaPA_Set WMP-39	20	CaPA_Set WMP-39_Q20	<p>In response to data request CaAdvocates-PGE-2023WMP-39 question 6, September 27, 2023, PG&E stated the following: "We will evaluate the history of response to wire down conditions in the HFRANFTD, occurring during the regional peak wildfire season of September 1st and November 1st, going back to 2020. We can complete that analysis by December 31, 2023."</p> <p>(a) Has PG&E completed the analysis mentioned above?</p> <p>(b) If the answer to part (a) is yes, briefly describe your findings.</p> <p>(c) If the answer to part (a) is yes, please provide a copy of any reports or other output from the analysis.</p> <p>(d) If the answer to part (a) is no, please explain the delay.</p> <p>(e) If the answer to part (a) is no, please state when PG&E currently expects to complete this analysis.</p>	<p>(a) PG&E has not yet completed its evaluation. PG&E is currently evaluating outages for High Fire Risk Areas (HFRA), High Fire Threat Districts (HFTD) areas with the lowest conditions during peak wildfire season between May 1 and November 1 at the site.</p> <p>(b) Not applicable, please see the response to subpart (a).</p> <p>(c) Not applicable, please see the response to subpart (a).</p> <p>(d) The HFRA/HFTD Wire-Down Change Response time analysis has been delayed due to resource constraints driven by the extended 2023 wildfire season and the 2024 wildfire season planning activities.</p> <p>(e) PG&E expects to complete the analysis by May 2024.</p>	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	https://www.pge.com/Power/Operations/Utilities/asset-management/asset-management-plans/2023-caadvocates_020.pdf	0	NA	8.2.3.4	Vegetation Management and Inspections	Fall-to-Migration