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|----|-------|------------|----------------------|----|----------------------|--|---|----|-----------|--|-------------------------------|
| 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 respect trees identified in the EVM program.</p> <p>Based on this on-going re-inspection and evaluation work, we will develop annual individual work plans and assign to higher-risk re-inspection or CPZs first. We plan to address all trees in the inventory in a 3-year period (3).</p> <p>A) Please explain what is meant by the term "transitional" in the first sentence.</p> <p>B) Does PG&E intend to identify new trees to be added to the transitional inventory?</p> <p>C) If the answer to part (b) is yes, please explain PG&E's methodology and strategy for doing so.</p> <p>D) Please explain what is meant by the term "transitional" in the first sentence.</p> <p>E) If the answer to part (d) is no, please explain how PG&E intends to achieve compliance risk reduction outcomes that are consistently provided by the EVM program.</p> <p>F) What is the nature of the "developmental" ongoing re-inspection and evaluation work?</p> <p>G) Please explain the frequency of the "on-going re-inspection and evaluation work".</p> <p>H) How many years will the "developmental" "on-going re-inspection" last?</p> <p>I) How many years will the "on-going re-inspection" last, when PG&E ceases to have a re-inspection?</p> <p>J) If the answer to part (i) is yes, please explain how PG&E intends to address vegetation in riparian areas going forward.</p> <p>K) If the answer to part (i) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>L) When it is 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 outages in EPSS-enabled circuits. 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 devices vegetation outage events of condition inspections to more precisely address the work.</p> <p>A) Please explain what is meant by the term "transitional" in the first sentence.</p> <p>B) How many years will PG&E update the scope of work for this program (i.e., annually or quarterly)?</p> <p>C) Please explain PG&E's methodology for conducting the "on-going re-inspection and evaluation work".</p> <p>D) Please explain how PG&E will use EPSS data to contribute to the scope of work for this program.</p> <p>E) Please explain how PG&E will use historical outage data to contribute to the scope of work for this program.</p> <p>F) Please explain how PG&E will use "vegetation failure from the WORM" to contribute to the scope of work for this program.</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 select one area. The pilot will develop and implement guidelines that inform program.</p> <p>A) Please explain what is meant by the term "transitional" in the first sentence.</p> <p>B) Does "AOC" stand for "Area of Concern" in this instance? If not, then please define it.</p> <p>C) Please describe PG&E's methodology for developing the guidelines that inform program.</p> <p>D) How does PG&E determine which locations to conduct tree inspections?</p> <p>E) How will PG&E determine which locations to prioritize for inspection?</p> <p>F) Please describe the following aspects of the pilot or pilots:</p> <ol style="list-style-type: none"> 1) Budget 2) Goals and objectives 3) Data sources <p>G) Please describe the following regarding the guidelines that PG&E will develop based on the pilot(s), as mentioned above:</p> <ol style="list-style-type: none"> 1) The expected content of the guidelines 2) How PG&E expects the guidelines to inform inspections 3) When PG&E expects to develop such guidelines <p>H) Please describe the steps that PG&E expects a "focused tree inspection" to include.</p> <p>I) Please complete the plan "focused tree inspection" to the tree inspections previously performed as part of PG&E's EVM program. Describe the similarities and differences.</p> <p>J) What metrics and criteria will PG&E use to determine whether a tree passes or fails a "focused tree inspection"?</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 estimates our WMP program in 2023. Based on outage 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>A) Please explain why available information, reports, or other documents that support the statement quoted above.</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 our 530 of an WMP:</p> <p>Additional Operational Mitigation such as PVD and DCCD will also help to mitigate risk previously prescribed to EVM. As a result, PG&E conducted the EVM Program at the end of 2022.</p> <p>A) Does "DCCD" stand for "Defensible Construction Detection" in this instance? Please define that.</p> <p>B) How has PG&E determined that PVD will help to mitigate risk that PG&E previously sought to mitigate with EVM?</p> <p>C) How has PG&E determined that PVD will help to mitigate risk that PG&E previously sought to mitigate with EVM?</p> <p>D) Please provide any available documentation and analysis showing that PVD will help to mitigate risk that PG&E previously sought to mitigate with EVM.</p> <p>E) How has PG&E determined that DCCD will help to mitigate risk that PG&E previously sought to mitigate with EVM?</p> <p>F) Please provide any available documentation and analysis showing that DCCD will help to mitigate risk that PG&E previously sought to mitigate with EVM.</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 mitigation into four different groups. Group 2 includes "inspections 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> <ol style="list-style-type: none"> 1) Equipment Maintenance and Repair 2) Fire Clearing Program 3) Utility Defensible Space Program 4) Flood Management 5) Substation Defensible Space 6) Focused Tree Inspections 7) Emergency Integrated VM 8) Emergency Response VM | 0 | NA | 7.2.3 | Wildfire Mitigation Strategy Development | Instream Mitigation |
| 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 mitigation into four different groups. Group 2 includes "inspections 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/instruction once permanent mitigations are deployed or new technologies are implemented:</p> <ol style="list-style-type: none"> 1) Equipment Maintenance and Repair 2) Fire Clearing Program 3) Utility Defensible Space Program 4) Flood Management 5) Substation Defensible Space 6) Focused Tree Inspections 7) Emergency Integrated VM 8) Emergency Response VM | 0 | NA | 7.2.3 | Wildfire Mitigation Strategy Development | Instream Mitigation |
| 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>"PG&E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022."</p> <p>A) Please explain what is meant by the term "transitional" in the first sentence.</p> <p>B) Does PG&E intend to identify new trees to be added to the transitional inventory?</p> <p>C) If the answer to part (b) is yes, how will PG&E mitigate the risk posed by the approximately 240,000 trees in the EVM inventory that will be removed during the period from 2023-2025?</p> <p>D) If the answer to part (b) is no, please explain how the number between the 50,000 trees to be addressed through 2023, and the more than 300,000 trees in the EVM inventory.</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>PG&E will continue to assess the risk of new trees during the period from 2023-2025 through the Distribution Routine and Second Patrol programs accordingly. The identification of vegetation and other emergency priority trees is embedded into all VM, fire, and maintenance programs. As well as the resulting work authorization and other programs.</p> <p>A) Please explain how PG&E will use EPSS data to contribute to the scope of work for this program.</p> <p>B) Please explain how PG&E will use historical outage data to contribute to the scope of work for this program.</p> <p>C) Please explain how PG&E will use "vegetation failure from the WORM" to contribute to the scope of work for this program.</p> <p>D) Please explain how PG&E will use "vegetation failure from the WORM" to contribute to the scope of work for this program.</p> | 0 | NA | 8.2.2.2.5 | Vegetation Management and Inspections | Focused Tree Inspections |

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|-----|------|------------|-----------------|----|---------------------|---|--------------|-----------|-----------|-----------|---|---|----|---------|--|---|
| 116 | CaPA | Sat WMP-13 | CaPA_Sat WMP-13 | 3 | CaPA_Sat WMP-13.03 | <p>Table 7.5-1 on p. 251 of PG&E's WMP states the following objective with an estimated completion date of 12/31/2025:</p> <p>Develop processes for controlling constraints resolution. As part of the build-out of the centralised constraint team, three major categories will be addressed: customer constraints, environmental constraints (including relevant PG&E procedures required to comply with) and permitting constraints (including both Land and Environmental permits).</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> | Holly Wetman | 4/8/2023 | 4/12/2023 | 4/12/2023 | https://www.sfpuc.gov/sites/default/files/2023-04/12312025_Environmentals%20and%20Permitting%20Implementation%20Plan.pdf | 0 | NA | 8.2.6 | Vegetation Management and Inspections | Open Work Orders |
| 117 | CaPA | Sat WMP-13 | CaPA_Sat WMP-13 | 4 | CaPA_Sat WMP-13.04 | <p>Table 7.5-2 on p. 252 of PG&E's WMP states the following objective with an estimated completion date of 12/31/2025:</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>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> | Holly Wetman | 4/8/2023 | 4/12/2023 | 4/12/2023 | https://www.sfpuc.gov/sites/default/files/2023-04/12312025_Environmentals%20and%20Permitting%20Implementation%20Plan.pdf | 0 | NA | 8.2.6 | Vegetation Management and Inspections | Open Work Orders |
| 118 | CaPA | Sat WMP-13 | CaPA_Sat WMP-13 | 5 | CaPA_Sat WMP-13.05 | <p>Table 7.4 on p. 207-213 of PG&E's WMP lists the top risk circuit segments (i.e., related segments when sorted by total wildfire risk).</p> <p>At the PG&E performed a sensitivity study to determine the effect of these values on the output of PG&E's WFC model. Please see our response to part 3) for an explanation of our sensitivity analysis.</p> <p>For points with High Fire Risk Areas (HFRA) (or non-HFRA) there is only a single variable that determines the consequence, which is the location of the breaker or point of specified disturbance or non-disturbance conditions. There are no other dependencies. Only the utility in the jurisdiction. Only the location of the breaker or point of specified disturbance or non-disturbance conditions. Only the utility in the jurisdiction. Only the location of the breaker or point of specified disturbance or non-disturbance conditions.</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> | Holly Wetman | 4/8/2023 | 4/28/2023 | 4/28/2023 | https://www.sfpuc.gov/sites/default/files/2023-04/12312025_Environmentals%20and%20Permitting%20Implementation%20Plan.pdf | 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 | Sat 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 MAWF of National Fires.</p> <p>At the PG&E performed a sensitivity study to determine the effect of these values on the output of PG&E's WFC model. Please see our response to part 3) for an explanation of our sensitivity analysis.</p> <p>For points with High Fire Risk Areas (HFRA) (or non-HFRA) there is only a single variable that determines the consequence, which is the location of the breaker or point of specified disturbance or non-disturbance conditions. There are no other dependencies. Only the utility in the jurisdiction. Only the location of the breaker or point of specified disturbance or non-disturbance conditions. Only the utility in the jurisdiction. Only the location of the breaker or point of specified disturbance or non-disturbance conditions.</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> | Holly Wetman | 4/8/2023 | 4/12/2023 | 4/12/2023 | https://www.sfpuc.gov/sites/default/files/2023-04/12312025_Environmentals%20and%20Permitting%20Implementation%20Plan.pdf | 0 | NA | 6.2.2 | Risk Methodology and Assessment | Consequence |
| 120 | CaPA | Sat WMP-13 | CaPA_Sat WMP-13 | 7 | CaPA_Sat WMP-13.07 | <p>In section 7.2.1 on p. 275-276 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 CDIC, the RSE for EVM was 14.2 compared to the EPSS RSE of 10.2."</p> <p>At the PG&E performed a sensitivity study to determine the effect of these values on the output of PG&E's WFC model. Please see our response to part 3) for an explanation of our sensitivity analysis.</p> <p>For points with High Fire Risk Areas (HFRA) (or non-HFRA) there is only a single variable that determines the consequence, which is the location of the breaker or point of specified disturbance or non-disturbance conditions. There are no other dependencies. Only the utility in the jurisdiction. Only the location of the breaker or point of specified disturbance or non-disturbance conditions. Only the utility in the jurisdiction. Only the location of the breaker or point of specified disturbance or non-disturbance conditions.</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> | Holly Wetman | 4/8/2023 | 4/12/2023 | 4/12/2023 | https://www.sfpuc.gov/sites/default/files/2023-04/12312025_Environmentals%20and%20Permitting%20Implementation%20Plan.pdf | 0 | NA | 7.2.1 | Wildfire Mitigation Strategy Development | Overview of Mitigation Initiatives and Activities |
| 121 | CaPA | Sat 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 DTS-FAS?</p> <p>Temporary Distribution Microgrids</p> <p>Community Microgrid Readiness Program</p> <p>Microgrid Incentive Program</p> | Holly Wetman | 4/8/2023 | 4/12/2023 | 4/12/2023 | https://www.sfpuc.gov/sites/default/files/2023-04/12312025_Environmentals%20and%20Permitting%20Implementation%20Plan.pdf | 0 | NA | 8.1.2.7 | Grid Design and System Hardening | Microgrids |
| 122 | CaPA | Sat 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>Temporary Distribution Microgrids</p> <p>Community Microgrid Readiness Program</p> <p>Microgrid Incentive Program</p> | Holly Wetman | 4/8/2023 | 4/12/2023 | 4/12/2023 | https://www.sfpuc.gov/sites/default/files/2023-04/12312025_Environmentals%20and%20Permitting%20Implementation%20Plan.pdf | 0 | NA | 8.1.2.7 | Grid Design and System Hardening | Microgrids |
| 123 | CaPA | Sat WMP-13 | CaPA_Sat WMP-13 | 10 | CaPA_Sat WMP-13.010 | <p>Figure 7-1 on p. 288 shows a sharp decline in risk after 2026.</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> | Holly Wetman | 4/8/2023 | 4/12/2023 | 4/12/2023 | https://www.sfpuc.gov/sites/default/files/2023-04/12312025_Environmentals%20and%20Permitting%20Implementation%20Plan.pdf | 0 | NA | 7.2.1 | Wildfire Mitigation Strategy Development | Projected Overall Risk Reduction |
| 124 | CaPA | Sat 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 costs are compared to prior proposals) 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 | 4/11/2023 | 4/12/2023 | 4/12/2023 | https://www.sfpuc.gov/sites/default/files/2023-04/12312025_Environmentals%20and%20Permitting%20Implementation%20Plan.pdf | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 125 | CaPA | Sat 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 costs are compared to prior proposals) 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 | 4/11/2023 | 4/12/2023 | 4/12/2023 | https://www.sfpuc.gov/sites/default/files/2023-04/12312025_Environmentals%20and%20Permitting%20Implementation%20Plan.pdf | 0 | NA | 8.1.2.6 | Grid Design and System Hardening | Distribution, Transmission, and Substation - Fire Action Reliability and Technology |
| 126 | CaPA | Sat 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 uses a weak link as a production point of separation and the device will fail the ground-deenergized."</p> <p>At the PG&E performed a sensitivity study to determine the effect of these values on the output of PG&E's WFC model. Please see our response to part 3) for an explanation of our sensitivity analysis.</p> <p>For points with High Fire Risk Areas (HFRA) (or non-HFRA) there is only a single variable that determines the consequence, which is the location of the breaker or point of specified disturbance or non-disturbance conditions. There are no other dependencies. Only the utility in the jurisdiction. Only the location of the breaker or point of specified disturbance or non-disturbance conditions. Only the utility in the jurisdiction. Only the location of the breaker or point of specified disturbance or non-disturbance conditions.</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> <p>When does PG&E expect to begin implementing its process for controlling constraints resolution?</p> | Holly Wetman | 4/11/2023 | 4/12/2023 | 4/12/2023 | https://www.sfpuc.gov/sites/default/files/2023-04/12312025_Environmentals%20and%20Permitting%20Implementation%20Plan.pdf | 0 | NA | 8.1.2.6 | Grid Design and System Hardening | Breakaway Connector |
| 127 | CaPA | Sat 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 | 4/11/2023 | 4/12/2023 | 4/12/2023 | https://www.sfpuc.gov/sites/default/files/2023-04/12312025_Environmentals%20and%20Permitting%20Implementation%20Plan.pdf | 0 | NA | 8.1.2.6 | Grid Design and System Hardening | Breakaway Connector |

| Number | Category | Item | Response | Response | Response | Response | Response | Response | Response | Response | Response | Response | Response | | | | |
|--------|----------|------------|--------------------|----------|--------------------|--|--|--------------|----------|----------|----------|--|----------|----|---------|---------------------------------------|--|
| 157 | CaPA | Set WMP-15 | CaPA_Set WMP-15_08 | 8 | CaPA_Set WMP-15_08 | POEAE states in its response to Question 3 (ii) of CalWater/AOCs-POE-2022WMP-08 that "The Wildlife Data Risk Model (WDRM) v3 was utilized to prioritize the work for the WDRM program." | (i) How was the WDRM v3 model utilized in prioritizing the work for WDRM? (ii) How was the WDRM v3 model utilized in prioritizing the work for WDRM? | Holly Wetman | 4/1/2023 | 4/1/2023 | 4/1/2023 | https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ | 0 | NA | 8.2.2.3 | Vegetation Management and Inspections | VM for Operational Mitigation |
| 158 | CaPA | Set WMP-15 | CaPA_Set WMP-15_09 | 9 | CaPA_Set WMP-15_09 | POEAE states in its response to Question 3 (iii) of CalWater/AOCs-POE-2022WMP-08 that "POEAE will utilize EPISS (Current EPISS) to identify and generally address work throughout the year." | Additionally, EPISS stage data will be included in the scope of work throughout the year. Please provide the time frame or date when POEAE would plan to complete the additional work that is performed throughout the year. | Holly Wetman | 4/1/2023 | 4/1/2023 | 4/1/2023 | https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ | 0 | NA | 8.2.2.3 | Vegetation Management and Inspections | VM for Operational Mitigation |
| 159 | CaPA | Set WMP-15 | CaPA_Set WMP-15_10 | 10 | CaPA_Set WMP-15_10 | POEAE states in its response to Question 4 (i) of CalWater/AOCs-POE-2022WMP-08 that "PMA AOCs are identified using WDRM2A. The top four AOCs selected for 2023 incorporated additional acres from the VM ERO action plan." | Additional acres from the VM ERO action plan were incorporated into the 2023 WDRM2A selection process. Please describe how these acres were added to the WDRM2A selection process. | Holly Wetman | 4/1/2023 | 4/1/2023 | 4/1/2023 | https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ | 0 | NA | 8.2.2.5 | Vegetation Management and Inspections | Focused Tree Inspections |
| 160 | CaPA | Set WMP-15 | CaPA_Set WMP-15_11 | 11 | CaPA_Set WMP-15_11 | POEAE states in its response to Question 4 (ii) of CalWater/AOCs-POE-2022WMP-08 that "the scope of work for Focused Tree Inspections is limited to 300 OH miles in 2023 to calibrate processes and optimize efficiencies. Inspections will utilize Tree Risk Assessment Qualification (TRAQ) Certified Advertisers. Tree inspections will be determined as necessary based on site and individual tree conditions. Please list begin in Q2 2023 and we intended to inform advisory SONW during the regional implementation." | Additional acres from the VM ERO action plan were incorporated into the 2023 WDRM2A selection process. Please describe how these acres were added to the WDRM2A selection process. | Holly Wetman | 4/1/2023 | 4/1/2023 | 4/1/2023 | https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ | 0 | NA | 8.2.2.5 | Vegetation Management and Inspections | Focused Tree Inspections |
| 161 | CaPA | Set WMP-15 | CaPA_Set WMP-15_12 | 12 | CaPA_Set WMP-15_12 | POEAE states in its response to Question 4 (iii) of CalWater/AOCs-POE-2022WMP-08 that "While inspections and data collection are expected to be identified in an unincorporated manner regional guides will utilize historical data to help us identify potential tree risks in the system." | How will you use historical data to help us identify potential tree risks in the system? Please describe the process and provide any specific examples. | Holly Wetman | 4/1/2023 | 4/1/2023 | 4/1/2023 | https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ | 0 | NA | 8.2.2.5 | Vegetation Management and Inspections | Focused Tree Inspections |
| 162 | CaPA | Set WMP-15 | CaPA_Set WMP-15_13 | 13 | CaPA_Set WMP-15_13 | POEAE states in its response to Question 4 (iv) of CalWater/AOCs-POE-2022WMP-08 that "PMA AOCs are identified using WDRM2A. The top four AOCs selected for 2023 incorporated additional acres from the VM ERO action plan." | Additional acres from the VM ERO action plan were incorporated into the 2023 WDRM2A selection process. Please describe how these acres were added to the WDRM2A selection process. | Holly Wetman | 4/1/2023 | 4/1/2023 | 4/1/2023 | https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ | 0 | NA | 8.2.2.5 | Vegetation Management and Inspections | Focused Tree Inspections |
| 163 | CaPA | Set WMP-15 | CaPA_Set WMP-15_14 | 14 | CaPA_Set WMP-15_14 | POEAE states in its response to Question 5 (i) of CalWater/AOCs-POE-2022WMP-08 that "POEAE has performed full-scale audits on all 2023 AOCs to assess and de-escalate non-compliance with including ignition risk management." | Additional acres from the VM ERO action plan were incorporated into the 2023 WDRM2A selection process. Please describe how these acres were added to the WDRM2A selection process. | Holly Wetman | 4/1/2023 | 4/1/2023 | 4/1/2023 | https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ | 1 | NA | 8.2.3 | Vegetation Management and Inspections | Fuel Mitigation |
| 164 | CaPA | Set WMP-15 | CaPA_Set WMP-15_15 | 15 | CaPA_Set WMP-15_15 | POEAE states in its response to Question 5 (ii) of CalWater/AOCs-POE-2022WMP-08 that "POEAE will ensure that all 2023 AOCs are in compliance with the 15% defensible fire rule." | Additional acres from the VM ERO action plan were incorporated into the 2023 WDRM2A selection process. Please describe how these acres were added to the WDRM2A selection process. | Holly Wetman | 4/1/2023 | 4/1/2023 | 4/1/2023 | https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ | 0 | NA | 8.2.5 | Vegetation Management and Inspections | Quality Assurance/Quality Control |
| 165 | CaPA | Set WMP-15 | CaPA_Set WMP-15_16 | 16 | CaPA_Set WMP-15_16 | POEAE states in its response to Question 5 (iii) of CalWater/AOCs-POE-2022WMP-08 that "POEAE will ensure that all 2023 AOCs are in compliance with the 15% defensible fire rule." | Additional acres from the VM ERO action plan were incorporated into the 2023 WDRM2A selection process. Please describe how these acres were added to the WDRM2A selection process. | Holly Wetman | 4/1/2023 | 4/1/2023 | 4/1/2023 | https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ | 0 | NA | 8.2.5 | Vegetation Management and Inspections | Quality Assurance or Quality Verification |
| 166 | CaPA | Set WMP-15 | CaPA_Set WMP-15_17 | 17 | CaPA_Set WMP-15_17 | POEAE states in its response to Question 5 (iv) of CalWater/AOCs-POE-2022WMP-08 that "POEAE will ensure that all 2023 AOCs are in compliance with the 15% defensible fire rule." | Additional acres from the VM ERO action plan were incorporated into the 2023 WDRM2A selection process. Please describe how these acres were added to the WDRM2A selection process. | Holly Wetman | 4/1/2023 | 4/1/2023 | 4/1/2023 | https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ | 0 | NA | 8.2.6 | Vegetation Management and Inspections | High-Risk Species |
| 167 | CaPA | Set WMP-15 | CaPA_Set WMP-15_18 | 18 | CaPA_Set WMP-15_18 | POEAE states in its response to Question 5 (v) of CalWater/AOCs-POE-2022WMP-08 that "POEAE will ensure that all 2023 AOCs are in compliance with the 15% defensible fire rule." | Additional acres from the VM ERO action plan were incorporated into the 2023 WDRM2A selection process. Please describe how these acres were added to the WDRM2A selection process. | Holly Wetman | 4/1/2023 | 4/1/2023 | 4/1/2023 | https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ | 2 | NA | 8.2.6 | Vegetation Management and Inspections | High-Risk Species |
| 168 | CaPA | Set WMP-15 | CaPA_Set WMP-15_19 | 19 | CaPA_Set WMP-15_19 | POEAE states in its response to Question 5 (vi) of CalWater/AOCs-POE-2022WMP-08 that "POEAE will ensure that all 2023 AOCs are in compliance with the 15% defensible fire rule." | Additional acres from the VM ERO action plan were incorporated into the 2023 WDRM2A selection process. Please describe how these acres were added to the WDRM2A selection process. | Holly Wetman | 4/1/2023 | 4/1/2023 | 4/1/2023 | https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ | 0 | NA | 8.2.5 | Vegetation Management and Inspections | Quality Control |
| 169 | CaPA | Set WMP-15 | CaPA_Set WMP-15_20 | 20 | CaPA_Set WMP-15_20 | POEAE states in its response to Question 5 (vii) of CalWater/AOCs-POE-2022WMP-08 that "POEAE will ensure that all 2023 AOCs are in compliance with the 15% defensible fire rule." | Additional acres from the VM ERO action plan were incorporated into the 2023 WDRM2A selection process. Please describe how these acres were added to the WDRM2A selection process. | Holly Wetman | 4/1/2023 | 4/1/2023 | 4/1/2023 | https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ | 0 | NA | 8.2.3 | Vegetation Management and Inspections | Fuel Mitigation |
| 170 | TURN | 04 | TURN_04_1 | 1 | TURN_04_1 | Following up on the response to TURN Data Request 3, Question 2, please provide POEAE's data on how the "recorded naturally occurring conditions that have been undergrounded and/or have been damaged with covered conductors" will be assessed in the study planned for completion on June 30, 2023. | How will you assess the "recorded naturally occurring conditions that have been undergrounded and/or have been damaged with covered conductors" in the study planned for completion on June 30, 2023? | Tom Long | 4/1/2023 | 4/1/2023 | 4/1/2023 | https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ https://www.water.ca.gov/centralvalley/wdrm-2022-wmp-08/ | 1 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |

| Row ID | Category | Requester | Request ID | Request Title | Request Description | Response | Due Date | Status | Priority | Impact | Comments | | | | | |
|--------|----------|------------|-----------------|---------------|---------------------|---|--|-------------|-----------|-----------|-----------|---|----|------------|----------------------------------|--|
| 188 | TURN | 005 | TURN_005 | 1 | TURN_005_G1 | 1 Please provide any decision tree schematic, if PG&E possesses that data, for a given location where PG&E believes that system hardening is necessary, how PG&E decides which mitigation technique to use... 4. ... PG&E will select the mitigation technique for that location. Please provide a narrative explanation of why the decision tree schematic exists. | Not applicable. PG&E has a decision tree. Please see our response to TURN_005-001. | Tom Long | 4/30/2023 | 4/30/2023 | 4/30/2023 | 3 | NA | 8.1.2 | Grid Design and System Hardening | ALL |
| 189 | TURN | 005 | TURN_005 | 2 | TURN_005_G2 | 2 If the response to question 1 is that PG&E has no such decision tree schematic, then please describe the process that PG&E uses to decide, for a given location, which mitigation technique to use... 4. ... PG&E will select the mitigation technique for that location. | Not applicable. PG&E has a decision tree. Please see our response to TURN_005-001. | Tom Long | 4/30/2023 | 4/30/2023 | 4/30/2023 | 0 | NA | 8.1.2 | Grid Design and System Hardening | ALL |
| 190 | TURN | 005 | TURN_005 | 3 | TURN_005_G3 | 3 In choosing among alternative system hardening mitigation techniques... 4. ... PG&E will select the mitigation technique for that location. | Not applicable. PG&E has a decision tree. Please see our response to TURN_005-001. | Tom Long | 4/30/2023 | 4/30/2023 | 4/30/2023 | 0 | NA | 8.1.2 | Grid Design and System Hardening | ALL |
| 191 | TURN | 005 | TURN_005 | 4 | TURN_005_G4 | 4 For the undergrounding work described in PG&E's 2022-2025 WMP, please describe PG&E's policy concerning undergrounding of service connections and the removal of poles on which service connections are attached. To the extent that this determination varies by project, please describe the criteria that PG&E uses to decide whether PG&E undergrounds service connections in a given location. | Not applicable. PG&E has a decision tree. Please see our response to TURN_005-001. | Tom Long | 4/30/2023 | 4/30/2023 | 4/30/2023 | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 192 | TURN | 005 | TURN_005 | 5 | TURN_005_G5 | 5 For the undergrounding work described in PG&E's 2022-2025 WMP, please describe PG&E's policy concerning undergrounding of secondary lines and the removal of poles on which secondary lines are attached. To the extent that this determination varies by project, please describe the criteria that PG&E uses to decide whether PG&E undergrounds secondary lines in a given location. | Not applicable. PG&E has a decision tree. Please see our response to TURN_005-001. | Tom Long | 4/30/2023 | 4/30/2023 | 4/30/2023 | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 193 | TURN | 005 | TURN_005 | 6 | TURN_005_G6 | 6 For the distribution circuits on which PG&E plans System Hardening undergrounding (as opposed to PG&E undergrounding) in the future, please provide PG&E's best estimate of the percentage of existing poles in the affected circuits (including poles supporting primary lines, secondary lines, and services) that will remain in place as a result of the planned System Hardening undergrounding in 2022-2025. Please explain how PG&E made this calculation and provide all inputs and assumptions. | Not applicable. PG&E has a decision tree. Please see our response to TURN_005-001. | Tom Long | 4/30/2023 | 4/30/2023 | 4/30/2023 | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 194 | TURN | 005 | TURN_005 | 7 | TURN_005_G7 | 7 If the response to the request for 2022-2025 in the column for Estimated System Hardening Undergrounding Miles in Table PG&E-1.2-2 on page 347 of PG&E's 2022-2025 WMP... 4. ... PG&E will select the mitigation technique for that location. | Not applicable. PG&E has a decision tree. Please see our response to TURN_005-001. | Tom Long | 4/30/2023 | 4/30/2023 | 4/30/2023 | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 195 | TURN | 005 | TURN_005 | 8 | TURN_005_G8 | 8 If the response to the request for 2022-2025 in the column for Estimated System Hardening Undergrounding Miles in Table PG&E-1.2-2 on page 347 of PG&E's 2022-2025 WMP... 4. ... PG&E will select the mitigation technique for that location. | Not applicable. PG&E has a decision tree. Please see our response to TURN_005-001. | Tom Long | 4/30/2023 | 4/30/2023 | 4/30/2023 | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 196 | CA&P | Set WMP-16 | CA&P_Set WMP-16 | 1 | CA&P_Set WMP-16.01 | Regarding PG&E's SCADA Underwriting (UG) Switches: a) Please explain PG&E's operating procedure for operating a SCADA UG switch to energize and de-energize a circuit or circuit segment. b) Please explain PG&E's safety procedures or other documentation related to your response to part (a). c) Please explain in detail PG&E's opening procedure, from start to finish, for the following operation: after closing a normally closed switch, the switch is returned to its normally closed position during switching. d) Please explain in detail PG&E's opening procedure, from start to finish, for the following operation: after closing a normally open switch, the switch is returned to its normally open position during switching. | Not applicable. PG&E has a decision tree. Please see our response to TURN_005-001. | Holy Warmen | 4/30/2023 | 4/30/2023 | 4/30/2023 | 2 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment |
| 197 | CA&P | Set WMP-16 | CA&P_Set WMP-16 | 2 | CA&P_Set WMP-16.02 | Regarding PG&E's Load Break Devices: a) Please explain PG&E's operating procedure for operating a load break device in a vault to energize or de-energize a circuit or circuit segment. b) Please explain PG&E's safety procedures or other documentation related to your response to part (a). c) Please explain in detail PG&E's opening procedure, from start to finish, for the following operation: after closing a normally closed switch, the switch is returned to its normally closed position during switching. d) Please explain in detail PG&E's opening procedure, from start to finish, for the following operation: after closing a normally open switch, the switch is returned to its normally open position during switching. | Not applicable. PG&E has a decision tree. Please see our response to TURN_005-001. | Holy Warmen | 4/30/2023 | 4/30/2023 | 4/30/2023 | 0 | NA | 8.1.2.10.3 | Grid Design and System Hardening | Main Switch Operator Switch Replacement |
| 198 | CA&P | Set WMP-16 | CA&P_Set WMP-16 | 3 | CA&P_Set WMP-16.03 | Regarding PG&E's Junction Boxes: a) Please explain PG&E's operating procedure for operating a junction box in a vault to energize or de-energize a circuit or circuit segment. b) Please explain PG&E's safety procedures or other documentation related to your response to part (a). c) Please explain in detail PG&E's opening procedure, from start to finish, for the following operation: after closing a normally closed switch, the switch is returned to its normally closed position during switching. d) Please explain in detail PG&E's opening procedure, from start to finish, for the following operation: after closing a normally open switch, the switch is returned to its normally open position during switching. | Not applicable. PG&E has a decision tree. Please see our response to TURN_005-001. | Holy Warmen | 4/30/2023 | 4/30/2023 | 4/30/2023 | 0 | NA | 8.1.2.10 | Grid Design and System Hardening | Other Grid Tooling Improvements to Minimize Risk of System |

| | | | | | | | | | | | | | | | | | |
|-----|------|------------|-----------------|------|-----------------------|---|--|--------------|-----------|-----------|-----------|---|---|----|---------|----------------------------------|--|
| 199 | CaPA | Set WMP-16 | CaPA_Set WMP-16 | 4 | CaPA_Set WMP-16_Q4 | <p>Please explain PG&E's selection criteria for where to install the following equipment on underground circuits as SCADA USG switches:</p> <p>a) SCADA USG switches b) Subsurface transformers</p> <p>c) Load break elbows</p> | <p>PG&E SCADA underground switches are typically only installed at mainline substations. The 3-way SCADA switch can have up to ten positions installed with SCADA bus to the space constraint 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 (remote 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> <p>PG&E usually junction boxes on both mainline (600 Amp, AKA 400A) and sub-feed (200A) systems.</p> <p>A mainline junction is the connection of multiple 600A separable connector lead together in a subsurface 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 bus. PG&E typically designs the underground system such that there is a subsurface device at every other enclosure, allowing the use of a single junction in between. (Technically speaking, this design approach do not do the 600A single junction device in-between.)</p> <p>Having a dead-bus device requiring a clearance to open.</p> <p>A subsurface enclosure is typically installed as a bus bar mounted on the wall of a subsurface enclosure. These can be a 2-way or 3-way connections. These enclosures are typically designed to sub-back on 200A cables systems and are not the PG&E standard for 200A buses, but they can be used to connect a single transformer on a top junction if it is most cost efficient for the project fit and out of a transformer. In some cases, the 200A junction can also be pad-mounted (installed inside a pad-mounted transformer).</p> <p>The use of 200A Load-Break (LB) elbows is required when terminating 200A cables (ending the cable run, generally into a piece of equipment like a transformer) on all subsurface installations installed after July 2016. The use of 200A LB elbows 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 systems that requires the replacement of existing 200A Dead Break (DB) elbows, it may not be feasible to convert 200A DB to LB elbows. The normal height of the 200-terry LB elbows is 1'3" after the the enclose DB elbows and the enclosure covers would be able to be securely closed when placed on an installed or provided subfeed in the enclosure. In the cases where a LB elbow cannot fit inside the enclosure, LB elbows are accepted for use.</p> | Holy Wellman | 4/18/2023 | 4/21/2023 | 4/21/2023 | https://www.wa.com/cgi-bin/commerce.cgi?l=... https://www.wa.com/cgi-bin/commerce.cgi?l=... https://www.wa.com/cgi-bin/commerce.cgi?l=... | 0 | NA | 8.1.2 | Grid Design and System Hardening | Other Grid Topology Improvements to Enhance Rate of System |
| 200 | CaPA | Set WMP-16 | CaPA_Set WMP-16 | 5 | CaPA_Set WMP-16_Q5 | <p>Please explain PG&E's selection criteria for where to install the following equipment on underground circuits as Pad-mounted transformers</p> <p>a) Subsurface transformers</p> | <p>PG&E is standard to install pad-mounted transformers on underground circuits where transformers are need. Due the response is subject to where a pad-mounted may not be used in favor of a subsurface transformers. 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> <p>Subsurface transformers are typically not installed unless it is required to support essential acquisition, there is no space available for a pad-mounted transformer to be installed, or it is otherwise specified due to project-specific concerns. Reason 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 MTZ areas that see high summer temperatures, they are not as qualified at removing loading due 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.</p> <p>If more space is needed, the preferred location for a subsurface transformer (from most preferred to least preferred) is generally:</p> <p>On the corner of a street properly grade to sidewalk 1. In a planned area between the curb and the sidewalk 2. In the sidewalk 3. In the paved portion of a parking lot 4. In the parking / shoulder area of a street 5. In the unimproved section of a street.</p> | Holy Wellman | 4/18/2023 | 4/21/2023 | 4/21/2023 | https://www.wa.com/cgi-bin/commerce.cgi?l=... https://www.wa.com/cgi-bin/commerce.cgi?l=... https://www.wa.com/cgi-bin/commerce.cgi?l=... | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment |
| 201 | CaPA | Set WMP-16 | CaPA_Set WMP-16 | 6 | CaPA_Set WMP-16_Q6 | <p>For each of the undergrounding projects PG&E has planned for 2023, please answer the following questions on each project:</p> <p>a) How many SCADA underground switches will be installed? b) How many overhead switches will be removed? c) How many tie switches to adjacent circuits currently exist? d) How many OH tie switches to adjacent circuits will be removed? e) How many tie switches (OH or LG) will exist when the project is complete? f) How many SCADA overhead switches will be removed? g) How many SCADA underground switches will be installed as tie points to adjacent circuits? h) How many pad-mounted transformers will be installed? i) How many junction boxes will be installed? j) How many junction boxes will be installed for sectionalizing? k) How many load break elbows will be installed? l) How many load break elbows will be installed for sectionalizing? m) How many load break elbows will be installed as tie points to adjacent circuits? n) How many load break elbows will be installed as tie points to adjacent circuits? o) How many load break elbows will be installed as tie points to adjacent circuits? p) How many load break elbows will be installed as tie points to adjacent circuits? q) How many load break elbows will be installed as tie points to adjacent circuits? r) How many load break elbows will be installed as tie points to adjacent circuits? s) How many load break elbows will be installed as tie points to adjacent circuits? t) How many load break elbows will be installed as tie points to adjacent circuits? u) How many load break elbows will be installed as tie points to adjacent circuits? v) How many load break elbows will be installed as tie points to adjacent circuits? w) How many load break elbows will be installed as tie points to adjacent circuits? x) How many load break elbows will be installed as tie points to adjacent circuits? y) How many load break elbows will be installed as tie points to adjacent circuits? z) How many load break elbows will be installed as tie points to adjacent circuits?</p> | <p>PG&E objects to this request as overhead and underground hardening. 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>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 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>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</p> <p>1- SCADA underground devices - 1</p> <p>2- PG&E assumes "Overhead switches removed" to include both mainline and tie-line switches, production devices that can be operated as switches, bypass switches</p> <p>The device description to be removed as part of recloser packages:</p> <p>1- Overhead Switches Removed - 1</p> <p>2- PG&E assumes "tie switches to adjacent circuits" are only included if part of the project reviewed and excludes ties to both:</p> <ul style="list-style-type: none"> "Tie switches to Adjacent Circuits" PG&E assumes "tie 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"> "Tie switches to Adjacent Circuits Removal - 1" <p>PG&E assumes "tie switches (OH and LG) to adjacent circuits installed" are only included if part of the project reviewed and excludes ties to both:</p> <ul style="list-style-type: none"> "Tie switches (OH and LG) to Adjacent Circuits Removal - 1" <p>PG&E assumes "SCADA OH switches removed" to include both mainline, tie-line switches, and production devices with SCADA bus can be operated as switches.</p> | Holy Wellman | 4/18/2023 | 4/21/2023 | 4/21/2023 | https://www.wa.com/cgi-bin/commerce.cgi?l=... https://www.wa.com/cgi-bin/commerce.cgi?l=... https://www.wa.com/cgi-bin/commerce.cgi?l=... | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment |
| 201 | CaPA | Set WMP-16 | CaPA_Set WMP-16 | 6(X) | CaPA_Set WMP-16_Q6(X) | <p>For each of the undergrounding projects PG&E has planned for 2023, please answer the following questions on each project:</p> <p>a) How many SCADA underground switches will be installed? b) How many overhead switches will be removed? c) How many tie switches to adjacent circuits currently exist? d) How many OH tie switches to adjacent circuits will be removed? e) How many tie switches (OH or LG) will exist when the project is complete? f) How many SCADA overhead switches will be removed? g) How many SCADA underground switches will be installed as tie points to adjacent circuits? h) How many pad-mounted transformers will be installed? i) How many junction boxes will be installed? j) How many junction boxes will be installed for sectionalizing? k) How many load break elbows will be installed? l) How many load break elbows will be installed for sectionalizing? m) How many load break elbows will be installed as tie points to adjacent circuits? n) How many load break elbows will be installed as tie points to adjacent circuits? o) How many load break elbows will be installed as tie points to adjacent circuits? p) How many load break elbows will be installed as tie points to adjacent circuits? q) How many load break elbows will be installed as tie points to adjacent circuits? r) How many load break elbows will be installed as tie points to adjacent circuits? s) How many load break elbows will be installed as tie points to adjacent circuits? t) How many load break elbows will be installed as tie points to adjacent circuits? u) How many load break elbows will be installed as tie points to adjacent circuits? v) How many load break elbows will be installed as tie points to adjacent circuits? w) How many load break elbows will be installed as tie points to adjacent circuits? x) How many load break elbows will be installed as tie points to adjacent circuits? y) How many load break elbows will be installed as tie points to adjacent circuits? z) How many load break elbows will be installed as tie points to adjacent circuits?</p> | <p>PG&E objects to this request as overhead and underground hardening. 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>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 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>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</p> <p>1- SCADA underground devices - 1</p> <p>2- PG&E assumes "Overhead switches removed" to include both mainline and tie-line switches, production devices that can be operated as switches, bypass switches</p> <p>The device description to be removed as part of recloser packages:</p> <p>1- Overhead Switches Removed - 1</p> <p>2- PG&E assumes "tie switches to adjacent circuits" are only included if part of the project reviewed and excludes ties to both:</p> <ul style="list-style-type: none"> "Tie switches to Adjacent Circuits" PG&E assumes "tie switches to adjacent circuits removal" are only included if part of the project reviewed and excludes ties to both: <ul style="list-style-type: none"> "Tie switches to Adjacent Circuits Removal - 1" <p>PG&E assumes "tie switches (OH and LG) to adjacent circuits installed" are only included if part of the project reviewed and excludes ties to both:</p> <ul style="list-style-type: none"> "Tie switches (OH and LG) to Adjacent Circuits Removal - 1" <p>PG&E assumes "SCADA OH switches removed" to include both mainline, tie-line switches, and production devices with SCADA bus can be operated as switches.</p> | Holy Wellman | 4/18/2023 | 5/20/2023 | 5/10/2023 | https://www.wa.com/cgi-bin/commerce.cgi?l=... https://www.wa.com/cgi-bin/commerce.cgi?l=... https://www.wa.com/cgi-bin/commerce.cgi?l=... | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment |
| 202 | CaPA | Set WMP-16 | CaPA_Set WMP-16 | 7 | CaPA_Set WMP-16_Q7 | <p>For each of the undergrounding projects PG&E has planned for 2024, please answer the following questions on each project:</p> <p>a) How many SCADA underground switches will be installed in each circuit. b) How many overhead switches will be removed? c) How many tie switches to adjacent circuits currently exist? d) How many OH tie switches to adjacent circuits will be removed? e) How many tie switches (OH or LG) will exist when the project is complete? f) How many SCADA overhead switches will be removed? g) How many SCADA underground switches will be installed as tie points to adjacent circuits? h) How many pad-mounted transformers will be installed? i) How many junction boxes will be installed? j) How many junction boxes will be installed for sectionalizing? k) How many load break elbows will be installed? l) How many load break elbows will be installed for sectionalizing? m) How many load break elbows will be installed as tie points to adjacent circuits? n) How many load break elbows will be installed as tie points to adjacent circuits? o) How many load break elbows will be installed as tie points to adjacent circuits? p) How many load break elbows will be installed as tie points to adjacent circuits? q) How many load break elbows will be installed as tie points to adjacent circuits? r) How many load break elbows will be installed as tie points to adjacent circuits? s) How many load break elbows will be installed as tie points to adjacent circuits? t) How many load break elbows will be installed as tie points to adjacent circuits? u) How many load break elbows will be installed as tie points to adjacent circuits? v) How many load break elbows will be installed as tie points to adjacent circuits? w) How many load break elbows will be installed as tie points to adjacent circuits? x) How many load break elbows will be installed as tie points to adjacent circuits? y) How many load break elbows will be installed as tie points to adjacent circuits? z) How many load break elbows will be installed as tie points to adjacent circuits?</p> | <p>PG&E objects to this request as overhead and underground hardening. 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> | Holy Wellman | 4/18/2023 | 4/21/2023 | 4/21/2023 | https://www.wa.com/cgi-bin/commerce.cgi?l=... https://www.wa.com/cgi-bin/commerce.cgi?l=... https://www.wa.com/cgi-bin/commerce.cgi?l=... | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment |
| 203 | CaPA | Set WMP-16 | CaPA_Set WMP-16 | 8 | CaPA_Set WMP-16_Q8 | <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 fire and injury resulting from PSPF events. 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> <p>a) Replaced in 2020 b) Replaced in 2021 c) Replaced in 2022 d) Replaced in 2022</p> | <p>(i) The average, median, minimum and maximum age of poles in (years) replaced in 2020, 2021, and 2022 are as follows:</p> <p>2020 2021 Average 49 49 Median 47 48 Minimum 47 48</p> <p>(ii) 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 brace. As such, the age of poles provided below is specific to poles reinforced.</p> <p>2020, 2021, and 2022 are as follows:</p> <p>2020 2021 Average 61 61 Minimum 61 61 Median 61</p> | Holy Wellman | 4/18/2023 | 5/5/2023 | 5/5/2023 | https://www.wa.com/cgi-bin/commerce.cgi?l=... https://www.wa.com/cgi-bin/commerce.cgi?l=... https://www.wa.com/cgi-bin/commerce.cgi?l=... | 0 | NA | 8.1.2.3 | Grid Design and System Hardening | Distribution Pole Replacements and Reinforcements |

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|-----|------|-----|----------|---|-------------|--|------------|----------|-----------|-----------|---|---|----|-------|--|---|
| 218 | OEIS | 003 | OEIS_003 | 4 | OEIS_003_Q4 | Regarding Support for Medical Baseline Customers <ul style="list-style-type: none"> 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/energy/technical/energy-protection/medical-baseline-customer-support | 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 <ul style="list-style-type: none"> Provide an example of each customer survey year in 2021 and 2022 regarding emergency operations and any reports analyzing these surveys' results. | Colin Lang | 4/1/2023 | 4/26/2023 | 4/26/2023 | https://www.es.com/bay_global/customer/energy/technical/energy-protection/medical-baseline-customer-support | 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 <ul style="list-style-type: none"> Provide a GIS layer of PG&E's Assess of Concern (AOC) with the following attributes for each AOC polygon: <ul style="list-style-type: none"> Name of the AOC Number of overhead cross-miles in the AOC that are in scope for Focused Tree Inspections (AOC in FOCUS) (Yes/No) Cumulative probability of ignition caused by vegetation coupled with consequences of ignition as given by WDRM (0 to 100%, x_0) Average probability of ignition caused by vegetation coupled with consequences of ignition as given by WDRM (0 to 100%, x_1) Cumulative Overhead Utility Risk as defined by the 2023-2025 WMP Technical Guidelines, Appendix B Cumulative Ignition Risk as defined by the 2023-2025 WMP Technical Guidelines, Appendix B Cumulative PSPS Risk as defined by the 2023-2025 WMP Technical Guidelines, Appendix B Cumulative Control from Vegetation Likelihood of Ignition as defined by the 2023-2025 WMP Technical Guidelines, Appendix B The PG&E survey vegetation related data source to identify the identification of overvoltage trees to create the AOC? (e.g., LDM, satellite) if so, list the data source(s) and the date the data were collected. (e.g., distribution LDM flow by PG&E in 2019) How PG&E used the monthly data sets to: <ul style="list-style-type: none"> Create the AOC? If so, list the data sets used to create the data sets collected. Document the justification of inspection 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/energy/technical/energy-protection/medical-baseline-customer-support | 3 | NA | 8.2 | Vegetation Management and Inspections | NA |
| 221 | OEIS | 003 | OEIS_003 | 7 | OEIS_003_Q7 | Regarding Focused Tree Inspections <ul style="list-style-type: none"> 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? PG&E collecting a digital record of each ISA form generated by inspectors, or OneM or another system? How does PG&E plan to incorporate known localized risk factors (e.g., wind, outage trees as species) into tree risk assessments? 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. Has PG&E benchmarked and/or discussed the latest version of its TAT and the associated risk assessment procedure and its tree risk assessment procedures using the ISA's checklist with other utilities, including, but not limited to, SCE and its Tree Risk Calculator? If so, provide a summary of the benchmarking/discussions. 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/energy/technical/energy-protection/medical-baseline-customer-support | 1 | NA | 8.2.2 | Vegetation Management and Inspections | NA |
| 222 | OEIS | 003 | OEIS_003 | 8 | OEIS_003_Q8 | Regarding Confidential Stakeholder Data Requests <ul style="list-style-type: none"> Provide PG&E's confidential responses and attachments to the following Data Requests: <ul style="list-style-type: none"> WMP-Discovery2023_California_002-0001.pdf WMP-Discovery2023_California_006-0007.pdf WMP-Discovery2023_California_006-0008.pdf WMP-Discovery2023_California_006-0011.pdf WMP-Discovery2023_California_006-0012.pdf WMP-Discovery2023_California_009-0016.pdf | Colin Lang | 4/1/2023 | 4/26/2023 | 4/26/2023 | https://www.es.com/bay_global/customer/energy/technical/energy-protection/medical-baseline-customer-support | 0 | NA | 7 | Wildfire Mitigation Strategy Development | NA |
| 223 | OEIS | 003 | OEIS_003 | 9 | OEIS_003_Q9 | Regarding PG&E's Asset Inspection Program <ul style="list-style-type: none"> Provide the inspection checklist used for both PG&E's patrols and detailed inspections. PG&E takes its inspections specifically to inspect wildfire risk specific items, identify which items within the checklist they inspect, particularly if such differs from standard GO 25 inspections. 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/energy/technical/energy-protection/medical-baseline-customer-support | 5 | NA | 8.1.3 | Asset Inspections | NA |

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|-----|-------|------------|---------------------|----|---------------------|---|--------------|-----------|-----------|-----------|---|---|----|------------|---|--|
| 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 into 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 | 4/31/2023 | 5/10/2023 | 5/10/2023 | https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.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 wire 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 | 4/31/2023 | 4/26/2023 | 4/26/2023 | https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf | 0 | NA | Appendix D | Appendix D - Assets for Continued Improvement | ACI PG&E 22-08 Better Application of Specific Lessons Learned from Liberty-Caswell 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 6.1.7 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. - How PG&E identifies resources to address these EPSS-related targeted equipment repairs (particular in regard to the program described in Section 6.1.7). - In the scope of such EPSS-related targeted equipment repairs (i.e. number and work orders, number of CPZs affected by the program). - 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>b. Provide a GIS file with the locations of CPZs across all additional reliability mitigations being on EPSS impacts.</p> | Colin Lang | 4/31/2023 | 4/26/2023 | 4/26/2023 | https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf | 0 | NA | Appendix D | Appendix D - Assets for Continued Improvement | ACI PG&E 22-02 - 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 | 4/31/2023 | 4/26/2023 | 4/26/2023 | https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf | 1 | NA | Appendix D | Appendix D - Assets for Continued Improvement | ACI PG&E 22-08 Better Application of Specific Lessons Learned from Liberty-Caswell Fires |
| 228 | OEIS | 003 | OEIS_003 | 14 | OEIS_003_014 | <p>Regarding PG&E's Full Resistor Replacements</p> <p>a. Provide the numbers of full resistor PG&E is replacing by year since 2020.</p> <p>b. Provide PG&E targets for full resistor replacement in 2023 and 2024, with applicable.</p> <p>c. Provide the number of full resistor PG&E is replacing in HFTD.</p> <p>d. Provide the number of full resistor identified as needing replacement with PG&E's HFTD.</p> | Colin Lang | 4/31/2023 | 4/26/2023 | 4/26/2023 | https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf | 0 | NA | NA | NA | NA |
| 229 | OEIS | 003 | OEIS_003 | 15 | OEIS_003_015 | <p>Regarding PG&E's V4 of its 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 for review and approval?</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 report.</p> | Colin Lang | 4/31/2023 | 4/26/2023 | 4/26/2023 | https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.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 18% for down conductor detection devices (DCDD) in response to its Table 6.4-1 PG&E has included 2023, 2024 and 2025 targets for DCDD. Additionally, it requires to be included in the attachment. PG&E only demonstrates goals of approximately 73.4, 1.45, and 0.16 miles in 2023, 2024, and 2025 respectively. Is this data correct?</p> <p>b. Include the number of miles 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. If this is an overall mitigation effectiveness PG&E not included within the attachment? If it were, what would the mitigation effectiveness be for including PV?</p> | Colin Lang | 4/31/2023 | 4/26/2023 | 4/26/2023 | https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf | 0 | NA | 8.1.2.10 | Grid Design and System Hardening | Downed Conductor Detection Devices |
| 231 | OEIS | 003 | OEIS_003 | 17 | OEIS_003_017 | <p>Regarding unbranded items in 6.4.6</p> <p>a. Provide PG&E's definition of "unbranded", "unbranded", "unbranded", and "unbranded" customers (including cities, counties, and governments) in Section 6.4.6. However, definitions of such items are not provided.</p> <p>b. Provide a definition, as a separate to both unbranded and PSPS within the context of Section 6.4.6, and the criteria and process for being identified as such for: - "Unbranded" customers. - "Unbranded" customers. - "Unbranded" customers.</p> | Colin Lang | 4/31/2023 | 4/26/2023 | 4/26/2023 | https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf | 0 | NA | 8.4.6 | Emergency Preparedness | Customer Support for Wildfire 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 or Final 2100 miles</p> <p>PG&E's WORMV3 seeks critical protection zones (CPZs) based on measured across 17 km mile to create a cumulative risk score for each CPZ in Table 1. However, selected CPZs that PG&E has decided not to pursue in Undergoing or in Final 2100 miles LUG (CPZs) based on measured across 17 km mile to create a cumulative risk score for the CPZ in WORMV3.</p> <p>a. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>b. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>c. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>d. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>e. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>f. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>g. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>h. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>i. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>j. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>k. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>l. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>m. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>n. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>o. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>p. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>q. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>r. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>s. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>t. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>u. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>v. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>w. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>x. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>y. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> <p>z. Provide CPZ length in miles measured by projecting the feature class in the WORMV3 to a UTM projection and calculating a risk score for each CPZ.</p> | Matthew Taul | 4/31/2023 | 4/26/2023 | 4/26/2023 | https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf https://www.pge.com/globalassets/customer-service/asset-inventory-report-2023.pdf | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Underpinning of Electric Lines and/or Equipment - Distribution |

| ID | Category | Sub-Category | Item | Priority | Requester | Response | Status | Start | End | Resolution | Comments | Other | | | | |
|-----|----------|--------------|------------------|----------|---------------------|--|--------------|----------|-----------|------------|--|-------|-----|---------|----------------------------------|--|
| 233 | CAIWA | Sub-WMP-17 | CAIWA_Sub WMP-17 | 2 | CAIWA_Sub WMP-17_G2 | <p>In general, identify all factors POSE considers when deciding that a CPZ with low average risk profile or large total risk in WORM V3 should not be provided in POSE's 2023 WMP project selection.</p> <p>1. Allow for measurement PPS and EPSS benefits by bundling nearby segments together. 2. Allow for more comprehensive customer and community engagement as opposed to multiple projects being developed and implemented in separate pieces. 3. Limit the number of long-term permits required to develop and construct an underground project. 2022 WORM V3 risk data was only recently obtained in the early part of the 2023-2025 analysis, with much of the permitting being planned by 2021 WORM V2. 4. The timeline to carry over work from previous iterations that must be completed, if a project has been started in a prior period it will be worked to completion. 5. The WFE selection strategy utilizing WORM V3 takes various cost and schedule optimization inputs into its selection methodology including: a. Area selection b. Underground difficulty and long-term permitting risks c. Circuit segment handling d. Resource readiness and availability e. Previously handled facilities f. Privatization-owned facilities</p> | Metheus Taul | 4/3/2023 | 4/30/2023 | 4/30/2023 | https://www.sds.com/home/energy/undergrounding/undergrounding/undergrounding-caiwa https://www.sds.com/2023/04/03/caiwa-caiwa-caiwa-caiwa | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 234 | CAIWA | Sub-WMP-17 | CAIWA_Sub WMP-17 | 3 | CAIWA_Sub WMP-17_G3 | <p>POSE CONFIDENTIAL</p> <p>In Table 2 below, select CPZs that POSE has decided to pursue Undergrounding in its first 2100 miles of LC projects as compared by: 1. Confidential risk scores for CPZs in WORM V3 2. The total mile length of Undergrounding which POSE queried for each LC project in Confidential response to Question 1 on WMP Decisions 2022_OCI, Confidential Dec 2022 3. A calculated "risk per mile" or "average risk" value derived from the two previous values 4. Whether the CPZ experienced critical events in PPS or EPSS in the last five years 5. POSE 2023 WMP decision to include the CPZ in the 2023-2025 timeframe 6. POSE 2023 WMP decision to exclude the CPZ from the 2023-2025 timeframe 7. POSE 2023 WMP decision to include the CPZ in the 2023-2025 timeframe 8. POSE 2023 WMP decision to exclude the CPZ from the 2023-2025 timeframe 9. POSE 2023 WMP decision to include the CPZ in the 2023-2025 timeframe 10. POSE 2023 WMP decision to exclude the CPZ from the 2023-2025 timeframe 11. POSE 2023 WMP decision to include the CPZ in the 2023-2025 timeframe 12. POSE 2023 WMP decision to exclude the CPZ from the 2023-2025 timeframe 13. POSE 2023 WMP decision to include the CPZ in the 2023-2025 timeframe 14. POSE 2023 WMP decision to exclude the CPZ from the 2023-2025 timeframe 15. POSE 2023 WMP decision to include the CPZ in the 2023-2025 timeframe 16. POSE 2023 WMP decision to exclude the CPZ from the 2023-2025 timeframe 17. POSE 2023 WMP decision to include the CPZ in the 2023-2025 timeframe 18. POSE 2023 WMP decision to exclude the CPZ from the 2023-2025 timeframe 19. POSE 2023 WMP decision to include the CPZ in the 2023-2025 timeframe 20. POSE 2023 WMP decision to exclude the CPZ from the 2023-2025 timeframe 21. POSE 2023 WMP decision to include the CPZ in the 2023-2025 timeframe 22. POSE 2023 WMP decision to exclude the CPZ from the 2023-2025 timeframe 23. POSE 2023 WMP decision to include the CPZ in the 2023-2025 timeframe 24. POSE 2023 WMP decision to exclude the CPZ from the 2023-2025 timeframe 25. POSE 2023 WMP decision to include the CPZ in the 2023-2025 timeframe 26. POSE 2023 WMP decision to exclude the CPZ from the 2023-2025 timeframe 27. POSE 2023 WMP decision to include the CPZ in the 2023-2025 timeframe 28. POSE 2023 WMP decision to exclude the CPZ from the 2023-2025 timeframe 29. POSE 2023 WMP decision to include the CPZ in the 2023-2025 timeframe 30. POSE 2023 WMP decision to exclude the CPZ from the 2023-2025 timeframe</p> | Metheus Taul | 4/3/2023 | 4/30/2023 | 4/30/2023 | https://www.sds.com/home/energy/undergrounding/undergrounding/undergrounding-caiwa https://www.sds.com/2023/04/03/caiwa-caiwa-caiwa-caiwa | 0 | NA | 8.1.2.2 | Grid Design | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 235 | CAIWA | Sub-WMP-17 | CAIWA_Sub WMP-17 | 4 | CAIWA_Sub WMP-17_G4 | <p>In general, identify all factors POSE considers when deciding that a CPZ with small total risk profiles and small average risk profile in WORM V3 should be provided in POSE's 2023 WMP project selection.</p> <p>1. Allow for measurement PPS and EPSS benefits by bundling nearby segments together. 2. Allow for more comprehensive customer and community engagement as opposed to multiple projects being developed and implemented in separate pieces. 3. Limit the number of long-term permits required to develop and construct an underground project. 2022 WORM V3 risk data was only recently obtained in the early part of the 2023-2025 analysis, with much of the permitting being planned by 2021 WORM V2. 4. The timeline to carry over work from previous iterations that must be completed, if a project has been started in a prior period it will be worked to completion. 5. The WFE selection strategy utilizing WORM V3 takes various cost and schedule optimization inputs into its selection methodology including: a. Area selection b. Underground difficulty and long-term permitting risks c. Circuit segment handling d. Resource readiness and availability e. Previously handled facilities f. Privatization-owned facilities</p> | Metheus Taul | 4/3/2023 | 4/30/2023 | 4/30/2023 | https://www.sds.com/home/energy/undergrounding/undergrounding/undergrounding-caiwa https://www.sds.com/2023/04/03/caiwa-caiwa-caiwa-caiwa | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 236 | TURN | 006 | TURN_006 | 1 | TURN_006_G1 | 1. Regarding the System Hardening Decision Tree provided as Attachment 3 to the response to TURN data request 5-1, please define the following acronym used in the Decision Tree: a. PFD b. EADOP c. WDC d. EOP | Tun Long | 4/3/2023 | 4/30/2023 | 4/30/2023 | https://www.sds.com/home/energy/undergrounding/undergrounding/undergrounding-turn https://www.sds.com/2023/04/03/turn-turn-turn-turn | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 237 | TURN | 006 | TURN_006 | 2 | TURN_006_G2 | Regarding the System Hardening Decision Tree provided as Attachment 3 to the response to TURN data request 5-1 and discussed in that response: a. Does POSE intend to use the Decision Tree for future projects during the 2023-2025 period for selecting which system hardening mitigation is superior to a given location? b. Does POSE intend to use the Decision Tree for future projects during the 2023-2025 period for selecting which system hardening mitigation is superior to a given location? c. If the answer to "a" or "b" is anything other than an unequivocal "no", please explain each and every circumstance under which POSE intends to use the Decision Tree for future projects. | Tun Long | 4/3/2023 | 4/30/2023 | 4/30/2023 | https://www.sds.com/home/energy/undergrounding/undergrounding/undergrounding-turn https://www.sds.com/2023/04/03/turn-turn-turn-turn | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 238 | TURN | 006 | TURN_006 | 3 | TURN_006_G3 | Regarding the Undergrounding Decision Tree provided as Attachment 1 to the response to TURN data request 5-1 and discussed in that response: a. Please provide a time range in months for each of the "Key Phases" listed in the box in the lower left corner. b. Please explain how POSE defines the words "feasible", "unfeasible", "not feasible", "unusable" as used in the Decision Tree. | Tun Long | 4/3/2023 | 4/30/2023 | 4/30/2023 | https://www.sds.com/home/energy/undergrounding/undergrounding/undergrounding-turn https://www.sds.com/2023/04/03/turn-turn-turn-turn | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 239 | TURN | 006 | TURN_006 | 4 | TURN_006_G4 | Regarding the Final Risk Reduction Decision Tree provided as Attachment 2 to the response to TURN data request 5-1 and discussed in that response: a. Please define the following acronym used in the Decision Tree: PFD, EADOP, WDC, EOP b. Does POSE intend to use the Decision Tree for future projects during the 2023-2025 period for selecting which system hardening mitigation is superior to a given location? c. If the answer to "a" or "b" is anything other than an unequivocal "no", please explain each and every circumstance under which POSE intends to use the Decision Tree for future projects. | Tun Long | 4/3/2023 | 4/30/2023 | 4/30/2023 | https://www.sds.com/home/energy/undergrounding/undergrounding/undergrounding-turn https://www.sds.com/2023/04/03/turn-turn-turn-turn | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 240 | TURN | 006 | TURN_006 | 5 | TURN_006_G5 | Regarding the response to TURN data request 5-4, please explain the following terms used in the last paragraph of the response: a. City services b. In-use contracts c. Residential connection | Tun Long | 4/3/2023 | 4/30/2023 | 4/30/2023 | https://www.sds.com/home/energy/undergrounding/undergrounding/undergrounding-turn https://www.sds.com/2023/04/03/turn-turn-turn-turn | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 241 | TURN | 006 | TURN_006 | 6 | TURN_006_G6 | Regarding the response to TURN data request 5-6: a. Please explain what, if at all, other or both of the proposed mitigation projects that will be impacted by POSE are able to offer over a rough approximation of the percentage of existing poles in the affected area - including poles being replaced by new service - that would be served as a result of the planned undergrounding mitigate in 2023-2025? Please provide such a rough approximation if possible. | Tun Long | 4/3/2023 | 4/30/2023 | 4/30/2023 | https://www.sds.com/home/energy/undergrounding/undergrounding/undergrounding-turn https://www.sds.com/2023/04/03/turn-turn-turn-turn | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 242 | TURN | 007 | TURN_007 | 1 | TURN_007_G1 | 1. Regarding the 2023-2025 Undergrounding Workload referenced on page 910 of the WMP (E1) provided in Excel format in response to TURN Data Request 2-4: a. Please explain how, if at all, other or both of the proposed mitigation projects that will be impacted by POSE are able to offer over a rough approximation of the percentage of existing poles in the affected area - including poles being replaced by new service - that would be served as a result of the planned undergrounding mitigate in 2023-2025? Please provide such a rough approximation if possible. b. Please explain what, if at all, other or both of the proposed mitigation projects that will be impacted by POSE are able to offer over a rough approximation of the percentage of existing poles in the affected area - including poles being replaced by new service - that would be served as a result of the planned undergrounding mitigate in 2023-2025? Please provide such a rough approximation if possible. c. Please explain what, if at all, other or both of the proposed mitigation projects that will be impacted by POSE are able to offer over a rough approximation of the percentage of existing poles in the affected area - including poles being replaced by new service - that would be served as a result of the planned undergrounding mitigate in 2023-2025? Please provide such a rough approximation if possible. | Tun Long | 4/3/2023 | 4/30/2023 | 4/30/2023 | https://www.sds.com/home/energy/undergrounding/undergrounding/undergrounding-turn https://www.sds.com/2023/04/03/turn-turn-turn-turn | 1 | Yes | 8.1.2.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |

| | | | | | | | | | | | | | | | |
|-----|------|------------|-----------------|---------------------|--|--------------|-----------|-----------|-----------|---|---|-----|---------|--|--|
| 243 | TURN | 007 | TURN_007 | TURN_007_C02 | <p>Regarding Table 7.2 in the WMP:</p> <p>a. A RPN is provided in 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 for 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/globalassets/turn/turn_007_002023_007_c02.pdf</p> <p>https://www.pge.com/pge/globalassets/turn/turn_007_002023_007_c02.pdf</p> | 1 | NA | 7.1.3 | Wildfire Mitigation Strategy Development | Risk-Horizon Prioritization |
| 244 | TURN | 007 | TURN_007 | TURN_007_C03 | <p>Regarding the System Hardening Workplan provided as Attachment 1 to the response to TURN date request 2-2 which is included in response to 2-7, please explain how the Overall Risk Score values in the 1926EA-Mesa-Risk Score.</p> <p>a. The first tab in the Excel workbook is named "SH Workplan_2023-2026_Conf" which suggests that the responses of 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 Underpinning Work Plan that were not included in the 1926EA WMP (e.g., for instance, the 1142C and Boreas No. 1101C only Boreas No. 1102B 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 Underpinning Work Plan that were not included in page 915 of the WMP (R)? If so, please modify the names of the circuit segments in response to 2-7 to make the circuit segment names consistent with Table 7.2 and the 2023-2026 Underpinning Work Plan that were not included on page 915 of the WMP (R).</p> | Tom Long | 4/12/2023 | 4/27/2023 | 4/27/2023 | <p>https://www.pge.com/pge/globalassets/turn/turn_007_002023_007_c03.pdf</p> <p>https://www.pge.com/pge/globalassets/turn/turn_007_002023_007_c03.pdf</p> <p>https://www.pge.com/pge/globalassets/turn/turn_007_002023_007_c03.pdf</p> <p>https://www.pge.com/pge/globalassets/turn/turn_007_002023_007_c03.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_C04 | <p>Regarding Attachment 2023-03-27_PGE_2023_WMP_R1_Section 4.2_Aln01, which is referenced on page 195, in 7.2 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 calculations for self-identified HFTD circuit segments, please provide that information to the workbook if it is which is appropriate?</p> <p>c. Please explain how these values were determined.</p> <p>d. Why are the values for 2023-2026 much lower than the values for 2022?</p> <p>e. Why are the values after August (based on the circuit segment)?</p> <p>f. 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/globalassets/turn/turn_007_002023_007_c04.pdf</p> <p>https://www.pge.com/pge/globalassets/turn/turn_007_002023_007_c04.pdf</p> <p>https://www.pge.com/pge/globalassets/turn/turn_007_002023_007_c04.pdf</p> <p>https://www.pge.com/pge/globalassets/turn/turn_007_002023_007_c04.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_C01 | <p>PGESE status in response to Question 10 of Cal Advocates PGE-2023WMP-18: Vegetation Management for Operational Mitigation (VMO) will be primarily focused on HFTD and HFTD. There are responses where a circuit segment may cross or be near 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) In a comment to respond the applicant above it was noted that Focused Tree Inspections take place only in HFTD areas and not include HFTD. As a VMO will be 2023.</p> <p>b) If Focused Tree Inspections will take place only in HFTD areas and not include HFTD, 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> <p>e) Please refer to response c.</p> | Holy Wellman | 4/24/2023 | 4/27/2023 | 4/27/2023 | <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c01.pdf</p> <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c01.pdf</p> <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c01.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_C02 | <p>PGESE status in response to Question 2 of Cal Advocates PGE-2023WMP-18: "PGESE intends to track trees identified for removal in VMO and FTI using the One VM tool."</p> <p>Please provide the following regarding the One VM tool:</p> <p>a) How the tool works (i.e., what mechanisms or procedures it will use to achieve outputs)</p> <p>b) When the tool was developed</p> <p>c) When PGESE will begin utilizing the tool.</p> | Holy Wellman | 4/24/2023 | 4/27/2023 | 4/27/2023 | <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c02.pdf</p> <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c02.pdf</p> <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c02.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_C03 | <p>PGESE status in response to Question 5(a) of Cal Advocates PGE-2023WMP-18: "Are EPSS-related outage data used to determine both planned and forecast of identify CPDs where EPSS VM Outages took place?" Please explain what "planned and forecast" refers to in the above RPN.</p> | Holy Wellman | 4/24/2023 | 4/27/2023 | 4/27/2023 | <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c03.pdf</p> <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c03.pdf</p> <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c03.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_C04 | <p>PGESE status in response to Question 10(a) of Cal Advocates PGE-2023WMP-18: "Is the forecasted 5-year plan of work for the Tree Inventory Program provided for the first three years of the program, the program started to ramp up and, if so, is a starting point to plan the rest of the work completion horizon, the program started when the completion begins?"</p> <p>a) Does PGESE intend for the Tree Inventory Program to continue for more than five years?</p> <p>b) Are PGESE consider durations other than five years? To plan the pace of work completion? Please explain.</p> <p>c) Does PGESE intend for the Tree Inventory Program to continue for more than five years?</p> | Holy Wellman | 4/24/2023 | 4/27/2023 | 4/27/2023 | <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c04.pdf</p> <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c04.pdf</p> <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c04.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_C05 | <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 (\$B)</p> <p>2023</p> <p>2024</p> <p>2025</p> <p>In response to question 19(3)(b) of Cal Advocates PGE-2023WMP-18: PGESE status:</p> <p>The difference in projected vegetation management costs of \$24.4B (2002) between 2023 and 2024 is due to several factors, this how PGESE will achieve this reduction: (1) Transitioning from EVO to EVO three new programs; (2) reducing the amount of Routine VM work conducted each year; communications with the amount of undergrounding miles completed; and (3) reducing unit costs through efficiencies over the time cost period through targeted programmatic adjustments that improve processes and improve resource efficiency.</p> <p>a) How does PGESE intend to reduce the amount of Routine VM work conducted each year?</p> <p>b) Please provide the following information: anticipated VM cost reductions from undergrounding in the below 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 (\$B)</p> <p>2023</p> <p>2024</p> <p>2025</p> | Holy Wellman | 4/24/2023 | 4/27/2023 | 4/27/2023 | <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c05.pdf</p> <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c05.pdf</p> <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c05.pdf</p> <p>https://www.pge.com/pge/globalassets/ca-pa/ca-pa_set_wmp-18_c05.pdf</p> | 0 | NA | 8.2.5 | Vegetation Management and Inspections | Quality Control |

| | | | | | | | | | | | | | | | | |
|-----|-------|------------|------------------|----------------------|----|--|---------------|-----------|-----------|-----------|---|---|----|-------------|--|--|
| 270 | CAIWA | Sat WMP-19 | CAIWA_Sat WMP-19 | CAIWA_Sat WMP-19_012 | 12 | <p>The delay was due to this being extensively impacted using our legacy inspection system, which did not release reports until the August project close. A number of the inspections were not completed on time due to the system not being updated. The legacy inspection system, inspection reports were created with a fixed volume of photos (generally between 100 and 400 photos) and the project team needed to create a large number of images to meet the requirements. Our original system and other contractors, it was not unusual for projects to remain open for multiple months.</p> <p>(1) We do not have the data for the most recent inspections. We instead reloaded the inspection system using our previous inspection reports and the updated inspection application, which releases inspection records in real time and creates corrective action notifications on the same day as the inspection.</p> <p>(2) We did not take any immediate action on this issue between November 18, 2019 and January 14, 2020.</p> <p>(3) We are investigating this and will release the inspection system by the end of the year. We will also release the inspection records and the corrective action notifications on the same date as the inspection. This functionality ensures that the corrective action notifications data align with the inspection data.</p> <p>(4) As discussed in subject (a) and (b) beginning in March 2022, mitigations are now performed using the updated inspection application, which releases corrective action notifications on the same date as the inspection, aligning the data with the inspection data.</p> <p>(5) Based on our guidance documents, Priority II is appropriate at the time of the inspection and corrective action notification creation. As a result of this event investigation, we developed a plan to assess the in-state inspection results and adjust the process remaining strength to inform corrective action notification priority. We are actively reviewing the guidance documents and inspection application to improve our processes.</p> | Holly Wetmore | 4/30/2023 | 4/30/2023 | 4/30/2023 | https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ | 1 | NA | 8.1.3.2.3 | Asset Inspections | In-state Pole Inspections |
| 271 | CAIWA | Sat WMP-19 | CAIWA_Sat WMP-19 | CAIWA_Sat WMP-19_013 | 13 | <p>The confidential attachment is being provided pursuant to the accompanying confidentiality declaration. Please reference "WMP-Discovery2023_DR_CAIcontractor_019-201334011CONF.pdf" for our formal PGAEE response from May 2022. Specifically, the responses are found on Slide number 18. We clarify that "beyond a useful life" refers to an affected engineering design or in-service information. Actual details of the assets such as their physical dimensions, loading conditions, inspection results, etc. may impact the useful life. This language was provided to show, on a high level, where we may need to focus administrative and asset removal efforts.</p> <p>(1) Please reference "WMP-Discovery2023_DR_CAIcontractor_019-201334011CONF.pdf" included in part (a) of this response.</p> | Holly Wetmore | 4/30/2023 | 4/30/2023 | 4/30/2023 | https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ | 1 | NA | 8.1.2.5 | Grid Design and System Hardening | Transformer Overhead Hardening Transmission Overhead and Distribution |
| 272 | CAIWA | Sat WMP-19 | CAIWA_Sat WMP-19 | CAIWA_Sat WMP-19_014 | 14 | <p>On April 13, 2023, Call Andrew met with Director of Grid Research and Development at PGAEE. During this meeting, PGAEE stated that REFC is not a suitable product.</p> <p>(1) Please describe how PGAEE conducted its review of REFC's current assessment of REFC? Please explain your answer. (2) If the answer to part (a) is no, please state all that reasons why PGAEE believes REFC is not a suitable product. (3) If the answer to part (a) is yes, please state the reasons why PGAEE believes REFC is not a suitable product.</p> | Holly Wetmore | 4/30/2023 | 4/30/2023 | 4/30/2023 | https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ | 1 | NA | 8.1.8.1.3.1 | Grid Design, Operations, and Maintenance | 8.1.8.1.3.1 Rapid Earth Fault Current Limiter |
| 273 | CAIWA | Sat WMP-19 | CAIWA_Sat WMP-19 | CAIWA_Sat WMP-19_015 | 15 | <p>(1) The PGAEE performed a study to estimate the combined effectiveness of one or more combinations of covered conductor, EPSC, DO, PFC, and REFC in mitigating failures when installed on distribution circuits in the PJM? (2) If the answer to part (a) is no, please explain why not. (3) If the answer to part (a) is yes, please explain your answer. (4) If the answer to part (a) is no, please explain why not. (5) If the answer to part (a) is yes, please provide the results of any such study, including any reports, worksheets or other work products.</p> | Holly Wetmore | 4/30/2023 | 4/30/2023 | 4/30/2023 | https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ | 0 | NA | 8.1.2 | Grid Design and System Hardening | Venus |
| 274 | CAIWA | Sat WMP-19 | CAIWA_Sat WMP-19 | CAIWA_Sat WMP-19_016 | 16 | <p>Table 7 on page 20 of the Joint OIG Covered Conductor Working Group Report is SC's estimate of the combined effectiveness of covered conductor, asset inspections, and several vegetation management practices. (1) How does PGAEE estimate the combined effectiveness of covered conductor, asset inspections, and vegetation management? (2) How does PGAEE estimate the combined effectiveness of PGAEE's estimate. (3) If the answer to part (a) is no, please explain why not. (4) If the answer to part (a) is no, please explain why not. (5) If the answer to part (a) is no, please explain why not.</p> | Holly Wetmore | 4/30/2023 | 4/30/2023 | 4/30/2023 | https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ | 0 | NA | Appendix D | Appendix D - Areas for Continued Improvement | AGI PG&E-2011 - Covered Conductor Effectiveness Lessons Learned |
| 275 | CAIWA | Sat WMP-20 | CAIWA_Sat WMP-20 | CAIWA_Sat WMP-20_01 | 1 | <p>(1) Describe PGAEE's standard process for retiring an asset from service. (2) Describe how PGAEE records the retirement of an asset from service.</p> | Holly Wetmore | 4/30/2023 | 5/3/2023 | 5/3/2023 | https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ | 1 | NA | 8.1.5 | Asset Management and Inspection Enterprise System(s) | NA |
| 276 | CAIWA | Sat WMP-20 | CAIWA_Sat WMP-20 | CAIWA_Sat WMP-20_02 | 2 | <p>(1) In 2022, as part of its WMP system hardening activities, did PGAEE retire from service (i.e., replace, remove, replace, or decommission) any assets that had not been fully depreciated at the time of retirement? (2) Please describe how PGAEE recorded the retirement of assets during 2022 system hardening activities.</p> | Holly Wetmore | 4/30/2023 | 5/3/2023 | 5/3/2023 | https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ | 0 | NA | 8.1.2 | Grid Design and System Hardening | All |
| 277 | CAIWA | Sat WMP-20 | CAIWA_Sat WMP-20 | CAIWA_Sat WMP-20_03 | 3 | <p>(1) In 2022, as part of its WMP system hardening activities, did PGAEE intend to retire from service (i.e., replace, remove, replace, or decommission) any assets that had not been fully depreciated at the time of retirement? (2) Please describe how PGAEE would record the retirement of assets during 2022 system hardening activities.</p> | Holly Wetmore | 4/30/2023 | 5/3/2023 | 5/3/2023 | https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ | 0 | NA | 8.1.2 | Grid Design and System Hardening | All |
| 278 | CAIWA | Sat WMP-20 | CAIWA_Sat WMP-20 | CAIWA_Sat WMP-20_04 | 4 | <p>What is PGAEE's standard practice for tagging assets that are retired from service before they are fully depreciated?</p> | Holly Wetmore | 4/30/2023 | 5/3/2023 | 5/3/2023 | https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ | 0 | NA | 8.1.5 | Asset Management and Inspection Enterprise System(s) | NA |
| 279 | CAIWA | Sat WMP-20 | CAIWA_Sat WMP-20 | CAIWA_Sat WMP-20_05 | 5 | <p>(1) PGAEE retires from service an asset that has not been fully depreciated, does it remove the remaining undepreciated value of the asset from its rate base? (2) Please describe how PGAEE determines the remaining undepreciated value of an asset at the time the asset is retired from service? (3) Please describe any scenarios in which PGAEE would retire from service an asset that has not been fully depreciated, but would keep the remaining undepreciated value of the asset in its rate base.</p> | Holly Wetmore | 4/30/2023 | 5/3/2023 | 5/3/2023 | https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ | 0 | NA | 8.1.5 | Asset Management and Inspection Enterprise System(s) | NA |
| 280 | CAIWA | Sat WMP-20 | CAIWA_Sat WMP-20 | CAIWA_Sat WMP-20_06 | 6 | <p>(1) As of the date of this data request, does PGAEE's rate base currently include any portion of the value of any assets that do not exist? (2) If the answer to part (a) is no, please explain why not. (3) If the answer to part (a) is yes, please explain why not. (4) Please describe how PGAEE's rate base does not currently include any portion of the value of assets that do not exist or no longer exist.</p> | Holly Wetmore | 4/30/2023 | 5/3/2023 | 5/3/2023 | https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ | 0 | NA | 8.1.5 | Asset Management and Inspection Enterprise System(s) | NA |
| 281 | CAIWA | Sat WMP-20 | CAIWA_Sat WMP-20 | CAIWA_Sat WMP-20_07 | 7 | <p>In response to data request CAIWA/CAIWA/CAIWA/CAIWA-2023/WMP-14, questions 20-22, PGAEE stated: "We cannot provide the requested data. Our asset registry and work execution systems are not set up to enable this cross-referenced data consolidation and we do not track the volume of assets reported that have not been fully depreciated." (1) Please explain what is meant by the statement, "Our asset registry and work execution systems are not set up to enable this cross-referenced data consolidation." (2) Please explain what is meant by the statement, "we do not track the volume of assets reported that have not been fully depreciated." (3) PGAEE also deprecates the total remaining undepreciated value of assets that it retired from service as part of its 2020-2022 WMP activities? (4) Please see the response to Question 005, Subject (a) and (b) when an asset is retired from service. (5) Please see the response to Question 005, Subject (a) and (b) when an asset is retired from service.</p> | Holly Wetmore | 4/30/2023 | 5/3/2023 | 5/3/2023 | https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ https://www.pgaee.com/leg_globe/comm/globe/globe/inspector-system-updates/ | 0 | NA | 8.1 | Grid Design, Operations, and Maintenance | Distribution Pole and Replacements Transformer Transformer |

| 30 | TURN | 011 | TURN_011 | 2 | TURN_011_Q2 | | | | | | | | | | | | |
|----|------|-----|----------|---|-------------|---|-------------|-----------|-----------|-----------|--|--|---|-----|------------|---|---|
| | | | | | | <p>The confidential attachment is being prepared pursuant to a signed NDA with PG&E.</p> <p>For Subpart A.2, please see attachment "WMP_Discovery2023_DR_TURM_011-020044613_CONF_ATTACHMENT".</p> <p>1. See column N for WDRMP of circuit segment identifiers. See column O for WDRMP of circuit segment identifiers.</p> <p>1. See column AB.</p> <p>1. See column AC.</p> <p>1. See column AD.</p> <p>1. The Risk Rank order is described in Section 6.4.2 of the 2023 WMP. PG&E ranked circuit segments from highest to lowest based on wildfire ignition risk. By using the WDRMP, the risk of a circuit segment is different to the length of the circuit segment. Alternatively, circuit segments can be ranked by circuit segment length to total wildfire risk. However, the results would be significantly impacted by the length of the circuit segment. A longer circuit segment would have larger total wildfire risk in general.</p> <p>2. I have reviewed more detail in response to TURM Data Request 09. PG&E's Wildlife Feasibility (WFE) assesses requirements the elements of WFE compliance with the elements stated to modify the selected factor as used in calculations for availability factors.</p> <p>3. The forecasted costs are based on the WFE assessment for the 2023-2025 period. Location 1 = 1.0 feasibility, Location 2 = 1.2 feasibility. The forecasted costs are based on the WFE assessment for the 2023-2025 period. Location 1 has a feasibility increase (e.g. hard rock, water crossing, or graters).</p> <p>4. Location 2 is more difficult than Location 1 as it is treated as 1 and does not impact the calculation of WFE. Overall, it is expected that the average feasibility across the entire portfolio will be managed within the expected cost, as PG&E optimizes based on operational and availability factors. After miles are selected based on WFE, locations are assessed to further detail during the project design later phases.</p> | Tom Long | 5/1/2023 | 6/30/2023 | 5/30/2023 | | | 3 | Yes | Appendix D | Appendix D - Assess for Continued Improvement | ACI PG&E-20-16 - Progress and Options on Underpinning and Risk Mitigation |
| | | | | | | <p>3. Regarding DR response TURM2 attachment: "WMP_Discovery2023_DR_TURM_007-000146131_CONF_ATTACHMENT".</p> <p>1. PG&E adds a column to this spreadsheet that provides the total wildfire risk of each circuit segment as calculated by WDRMP.</p> <p>2. PG&E adds a column to this spreadsheet that provides the total wildfire risk of each circuit segment as calculated by WDRMP.</p> <p>3. PG&E adds a column to this spreadsheet that provides the total wildfire risk of each circuit segment as calculated by WDRMP.</p> <p>4. PG&E adds a column to this spreadsheet that provides the total wildfire risk of each circuit segment as calculated by WDRMP.</p> | Tom Long | 5/1/2023 | 5/30/2023 | 5/30/2023 | | | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Underpinning of Electric Lines and/or Equipment - Distribution |
| | | | | | | <p>4. Regarding Attachment 2023-04-06_PGE_2023_WMP_R2_Section 4.2_Alt.01, an earlier version of which is referenced on page 101 of the WMP (01):</p> <p>a. Please add a column to this spreadsheet and provide the unique circuit segment identifier requested in 10(b) below and 20(c) below.</p> <p>b. In Excel, please provide an aggregating data and properly 9k calls to this spreadsheet to support the "weighted" risk calculations in the "Data_PFE" columns (C, S, and L) for underpinning. Many of these links to documentation PG&E's internal server/networks.</p> <p>c. PG&E define and explain the following columns headers on the "Data_PFE" file:</p> <ul style="list-style-type: none"> "weighted_composite_for_system_hardening_wildfire_risk_miles" "WFD mileage (please indicate whether it is overhead or underground mileage)" "baseline wildfire risk (and please indicate if this is the same as the WDRMP model)" "WFD Mileage" is not overhead circuit miles, please add a column to this spreadsheet that provides overhead circuit miles for each circuit segment. <p>d. Please explain how and whether PG&E has incorporated or incorporated into the calculation of mitigated risk. Please provide cost references for where this is incorporated.</p> <p>e. If not confirmed, please state the sum of risk mitigated for underpinning in 2023, 2024, and 2025, in 201 miles, which represents 10 percent of baseline wildfire risk.</p> <p>f. If not confirmed, please provide a correct calculation and an explanation of the percentage of total wildfire risk mitigated by underpinning indicated by these calculations and where this is incorporated.</p> <p>g. If confirmed, does PG&E agree that the maximum cost calculations PG&E will include wildfire risk by 10 percent through an underpinning program from 2022-2027? Please explain why or why not.</p> <p>1. PG&E disagrees with the 10 percent figure. Please provide the correct percentage of wildfire risk PG&E expects to mitigate through underpinning program.</p> <p>2. Please provide all supporting worksheets, calculations, and assumptions in Excel.</p> | Tom Long | 5/1/2023 | 5/30/2023 | 5/30/2023 | | | 1 | NA | 8.4.2 | Risk Methodology and Assessment | Top Risk Contributing Circuit Segments |
| | | | | | | <p>During the O&A portion of the Grid Operation, Design, and Maintenance session of the WMP workshop held on April 27, 2023, a call for stakeholder concerns about the feasibility of underpinning in rocky and steep terrain and in wetlands. In response, PG&E stated that it was evaluating tools and techniques to perform underpinning in these areas.</p> <p>Regarding underpinning in areas with steep and rocky terrain:</p> <p>a. Please list and describe the current obstacles or obstacles to underpinning in rocky and steep terrain.</p> <p>b. What tools and techniques is PG&E evaluating to improve the feasibility of underpinning in wetlands?</p> <p>c. What tools and techniques is PG&E evaluating to improve the feasibility of underpinning in rocky and steep terrain?</p> <p>d. Please state whether the unit cost provided in response part (c) is based on mileage of overhead circuits removed or mileage of underground conductor in rocky and steep terrain.</p> <p>e. If the answer is part (c) is yes, please list each such project.</p> <p>f. If the answer is part (f) is yes, please list each such project.</p> <p>g. If the answer is part (f) is yes, please list each such project.</p> | Holy Warman | 5/30/2023 | 5/30/2023 | 5/30/2023 | | | 0 | NA | 8.1.8.1.1 | Grid Design and System Hardening | Protective Equipment and Device Settings |
| | | | | | | <p>1) A forecast for 2023 would require forecasting weather and Fire Potential Index (FPI) at the circuit level for the full year, which is not possible. However, given that 2022 saw 17% more days than the 2018-2023 year average (83 FPI or greater conditions), it is reasonable to assume that 60% is on the higher end of the estimate, and that a reduction of 40% would be representative of 40% of circuit miles.</p> <p>2) A forecast for 2024 would require forecasting weather and Fire Potential Index (FPI) at the circuit level for the full year, which is not possible. However, given that 2022 saw 17% more days than the 2018-2023 year average (83 FPI or greater conditions), it is reasonable to assume that 60% is on the higher end of the estimate, and that a reduction of 40% would be representative of 40% of circuit miles.</p> <p>3) One "Circuit-Day" is equivalent to one EPSS capable circuit or FPIRA protected by EPSS for one day during the May to November timeframe. This unit was selected as PG&E utilizes EPSS and reserve settings to reserve based on historical wildfire and meteorological data conditions. To define the daily circuit-day, risk using extreme events (e.g., full winds in the hard rock and steep terrain to the heels to expand and crack the hard rock). A minimum digging in hard rock is more than 1000 lbs and can apply to the heels to the heels to the heels.</p> <p>4) PG&E is currently playing an idea of creating a viable "dry" installed cable and using a ground seal to house the electric cables. PG&E has also worked with some "cable" contractors with collection of hard rock and rock in urban construction can be particularly challenging.</p> <p>5) PG&E has estimated that cost on a per foot basis as much as underground lines in areas that are steep and have hard rock on competing "normal" environments. Of course, the exact conditions of any particular project can vary greatly and it is very hard to predict any project would be completely in hard rock and/or steep terrain conditions. Another point is that some PG&E contractors with the civil construction vendors performing underground work identify a "cost" value. This is applied to the final budget of a hard rock installation when hard rock encountered; that value could range from approximately \$50 - \$300 per foot which could mean an adder of -\$25K to \$1.6M per mile, just for the cost construction portion of the underpinning project costs.</p> <p>6) As of PG&E's unit cost data or forecasts related to Underpinning are based on the underground primary distribution circuit miles installed.</p> <p>7) We do not have an estimate of the total unit cost in rocky and steep terrain in part because, as noted in the response to subpart (c) project is completely made up of hard rock and steep terrain, most projects consist of some mix of both and are challenging. As noted in PG&E's Grid System Hardening Underpinning Unit Cost Forecast by Year (Table 4-11), PG&E expects to reduce total unit cost of portfolios of underpinning work to less than \$2.0 million per mile by 2025. These forecasts are based on the assumption that the unit cost of underpinning in rocky and steep terrain will decrease over time. These forecasts are based on the assumption that the unit cost of underpinning in rocky and steep terrain will decrease over time. These forecasts are based on the assumption that the unit cost of underpinning in rocky and steep terrain will decrease over time.</p> <p>8) PG&E is currently playing an idea of creating a viable "dry" installed cable and using a ground seal to house the electric cables. PG&E has also worked with some "cable" contractors with collection of hard rock and rock in urban construction can be particularly challenging.</p> <p>9) PG&E has estimated that cost on a per foot basis as much as underground lines in areas that are steep and have hard rock on competing "normal" environments. Of course, the exact conditions of any particular project can vary greatly and it is very hard to predict any project would be completely in hard rock and/or steep terrain conditions. Another point is that some PG&E contractors with the civil construction vendors performing underground work identify a "cost" value. This is applied to the final budget of a hard rock installation when hard rock encountered; that value could range from approximately \$50 - \$300 per foot which could mean an adder of -\$25K to \$1.6M per mile, just for the cost construction portion of the underpinning project costs.</p> <p>10) As of PG&E's unit cost data or forecasts related to Underpinning are based on the underground primary distribution circuit miles installed.</p> <p>11) PG&E does not track the terrain type by mile when underpinning. As noted in response to subpart (c), PG&E aims to avoid underpinning in wetland basins and the footings of underpinning below water crossings tends to be relatively inert in completion to total project length.</p> <p>12) PG&E does not track the terrain type by mile when underpinning. As noted in response to subpart (c), PG&E aims to avoid underpinning in wetland basins and the footings of underpinning below water crossings tends to be relatively inert in completion to total project length.</p> | Holy Warman | 5/30/2023 | 5/30/2023 | 5/30/2023 | | | 0 | NA | 8.1.2.2 | Grid Design and System Hardening | Underpinning of Electric Lines and/or Equipment - Distribution |

| | | | | | | | |
|--|-----------|-----------------------------|----------|-----------|----------------|--|---|
| <p>Table PG&E-22-11-3 on page 903 of PG&E's WMP states that the cost per circuit mile of covered conductor was \$625,698 in 2022. PG&E's response to data request California-POE-2023WMP-10, question 1, confirms that there are no additional costs associated with overhead handling that were excluded from Table 22-11-3. In response to data request California-POE-2023WMP-06, question 10, PG&E stated that its actual 2022 expenditures to cover covered conductor were \$265,544,000 and that PG&E installed 235 miles. This results in \$1,115,102 per mile for overhead handling in 2022. In response to data request California-POE-2023WMP-09, question 14, PG&E provided a unit cost forecast of \$1.87 million per mile for overhead handling in 2023.</p> <p>In response to data request California-POE-2023WMP-06, question 11, PG&E stated that its actual 2022 expenditures to cover covered conductor were \$265,544,000 and that PG&E installed 235 miles. This results in \$1,115,102 per mile for overhead handling in 2022.</p> <p>In response to data request California-POE-2023WMP-09, question 14, PG&E provided a unit cost forecast of \$1.87 million per mile for overhead handling in 2023.</p> <p>PG&E's response to data request California-POE-2023WMP-10, question 1, PG&E stated that its actual 2022 expenditures to cover covered conductor were \$265,544,000 and that PG&E installed 235 miles. This results in \$1,115,102 per mile for overhead handling in 2022.</p> <p>In response to data request California-POE-2023WMP-06, question 10, PG&E stated that its actual 2022 expenditures to cover covered conductor were \$265,544,000 and that PG&E installed 235 miles. This results in \$1,115,102 per mile for overhead handling in 2022.</p> <p>In response to data request California-POE-2023WMP-09, question 14, PG&E provided a unit cost forecast of \$1.87 million per mile for overhead handling in 2023.</p> | <p>4</p> | <p>CaPa_Sat WMP-22, D4</p> | <p>0</p> | <p>NA</p> | <p>8.1.2.1</p> | <p>Grid Design and System Hardening</p> | <p>Covered Conductor Installation - Distribution</p> |
| <p>PG&E is amending California-POE-2023WMP-19, question 1, supports 1, a unit of our original response. Although there is no specific attribute to GIS to distinguish between covered and bare conductors, we were able to utilize the conductor type codes to differentiate between covered and bare conductors.</p> <p>In response to data request California-POE-2023WMP-19, question 3, PG&E stated that in addition to GIS system data not including attributes to distinguish between covered and bare conductors, we are only able to provide the total overhead distribution line circuit-miles, not the breakdown between covered and bare conductors.</p> <p>In response to data request California-POE-2023WMP-19, question 3, PG&E stated that in addition to GIS system data not including attributes to distinguish between covered and bare conductors, we are only able to provide the total overhead distribution line circuit-miles, not the breakdown between covered and bare conductors.</p> <p>In response to data request California-POE-2023WMP-19, question 3, PG&E stated that in addition to GIS system data not including attributes to distinguish between covered and bare conductors, we are only able to provide the total overhead distribution line circuit-miles, not the breakdown between covered and bare conductors.</p> <p>In response to data request California-POE-2023WMP-19, question 3, PG&E stated that in addition to GIS system data not including attributes to distinguish between covered and bare conductors, we are only able to provide the total overhead distribution line circuit-miles, not the breakdown between covered and bare conductors.</p> | <p>5</p> | <p>CaPa_Sat WMP-22, C2</p> | <p>0</p> | <p>NA</p> | <p>8.1.2.1</p> | <p>Grid Design and System Hardening</p> | <p>Covered Conductor Installation - Distribution</p> |
| <p>PG&E is amending California-POE-2023WMP-19, question 1, supports 1, a unit of our original response. Although there is no specific attribute to GIS to distinguish between covered and bare conductors, we were able to utilize the conductor type codes to differentiate between covered and bare conductors.</p> <p>In response to data request California-POE-2023WMP-19, question 3, PG&E stated that in addition to GIS system data not including attributes to distinguish between covered and bare conductors, we are only able to provide the total overhead distribution line circuit-miles, not the breakdown between covered and bare conductors.</p> <p>In response to data request California-POE-2023WMP-19, question 3, PG&E stated that in addition to GIS system data not including attributes to distinguish between covered and bare conductors, we are only able to provide the total overhead distribution line circuit-miles, not the breakdown between covered and bare conductors.</p> <p>In response to data request California-POE-2023WMP-19, question 3, PG&E stated that in addition to GIS system data not including attributes to distinguish between covered and bare conductors, we are only able to provide the total overhead distribution line circuit-miles, not the breakdown between covered and bare conductors.</p> <p>In response to data request California-POE-2023WMP-19, question 3, PG&E stated that in addition to GIS system data not including attributes to distinguish between covered and bare conductors, we are only able to provide the total overhead distribution line circuit-miles, not the breakdown between covered and bare conductors.</p> | <p>6</p> | <p>CaPa_Sat WMP-22, O6</p> | <p>0</p> | <p>NA</p> | <p>8.1.2.1</p> | <p>Grid Design and System Hardening</p> | <p>Covered Conductor Installation - Distribution</p> |
| <p>Table 8-7 on page 445 of PG&E's WMP uses the term "Critical pass rate." Please define this term.</p> <p>In response to data request California-POE-2023WMP-05, question 3, PG&E provided the number of distribution line critical pass rate (CPR) miles. Of the 22,804 miles inspected, the distribution line CPR miles were 1,871 (8.2%) miles. Of the 4,909 miles inspected that contained field quality control (FCQ) (21.7%) miles. The 10,000 miles inspected that contained field quality control (FCQ) (43.4%) miles. The 10,000 miles inspected that contained field quality control (FCQ) (43.4%) miles. The 10,000 miles inspected that contained field quality control (FCQ) (43.4%) miles.</p> <p>In response to data request California-POE-2023WMP-05, question 3, PG&E provided the number of distribution line critical pass rate (CPR) miles. Of the 22,804 miles inspected, the distribution line CPR miles were 1,871 (8.2%) miles. Of the 4,909 miles inspected that contained field quality control (FCQ) (21.7%) miles. The 10,000 miles inspected that contained field quality control (FCQ) (43.4%) miles. The 10,000 miles inspected that contained field quality control (FCQ) (43.4%) miles.</p> | <p>7</p> | <p>CaPa_Sat WMP-22, O7</p> | <p>1</p> | <p>NA</p> | <p>8.1.6.2</p> | <p>Grid Design and System Hardening</p> | <p>Quality Control</p> |
| <p>PG&E does not track the number of miles worked by each contractor. PG&E tracks the number of trees worked by vendor or project worked by vendor on the program in question. Please see "WMP-09-2023WMP-09, Distribution Line Inspection" for more information. PG&E tracks the number of trees worked by vendor for Distribution, E&M, Pole Work, and Wildlife Removal. The System Inspection program does not work with WMP contractors.</p> <p>In response to data request California-POE-2023WMP-05, question 6, PG&E provided a list of contractors in 2022 when the actions of a WMP contractor posed a safety risk to workers or the public. Please refer to the spreadsheet "California-POE-2023WMP-05-2023-01-01-2023-12-31" for more information. Note, the list of contractors and programs come from columns 1 and 2, respectively, of the spreadsheet for PG&E's responses to California-POE-2023WMP-06, question 1. Please note any additions that are necessary for completeness and accuracy.</p> | <p>8</p> | <p>CaPa_Sat WMP-22, O8</p> | <p>0</p> | <p>NA</p> | <p>8.1.6.2</p> | <p>Grid Design and System Hardening</p> | <p>Quality Control</p> |
| <p>In response to data request California-POE-2023WMP-02, question 1, PG&E provided the 2022 Quality Verification Distribution Audit report (WMP-09-2023WMP-02, DR, California-POE-2023WMP-02-2022-01-01-2022-12-31). For each of the 15 "Zero tolerance & high-risk findings" identified on page 4 of the above report, what actions has PG&E taken to mitigate these non-conformances in the future?</p> <p>In response to data request California-POE-2023WMP-02, question 1, PG&E provided the 2022 Quality Verification Distribution Audit report (WMP-09-2023WMP-02, DR, California-POE-2023WMP-02-2022-01-01-2022-12-31). For each of the 15 "Zero tolerance & high-risk findings" identified on page 4 of the above report, what actions has PG&E taken to mitigate these non-conformances in the future?</p> <p>In response to data request California-POE-2023WMP-02, question 1, PG&E provided the 2022 Quality Verification Distribution Audit report (WMP-09-2023WMP-02, DR, California-POE-2023WMP-02-2022-01-01-2022-12-31). For each of the 15 "Zero tolerance & high-risk findings" identified on page 4 of the above report, what actions has PG&E taken to mitigate these non-conformances in the future?</p> | <p>9</p> | <p>CaPa_Sat WMP-22, O9</p> | <p>1</p> | <p>NA</p> | <p>8.2</p> | <p>Vegetation Management and Inspections</p> | <p>various</p> |
| <p>In response to data request California-POE-2023WMP-02, question 1, PG&E provided the 2022 Quality Verification Distribution Audit report (WMP-09-2023WMP-02, DR, California-POE-2023WMP-02-2022-01-01-2022-12-31). For each of the 15 "Zero tolerance & high-risk findings" identified on page 4 of the above report, what actions has PG&E taken to mitigate these non-conformances in the future?</p> <p>In response to data request California-POE-2023WMP-02, question 1, PG&E provided the 2022 Quality Verification Distribution Audit report (WMP-09-2023WMP-02, DR, California-POE-2023WMP-02-2022-01-01-2022-12-31). For each of the 15 "Zero tolerance & high-risk findings" identified on page 4 of the above report, what actions has PG&E taken to mitigate these non-conformances in the future?</p> <p>In response to data request California-POE-2023WMP-02, question 1, PG&E provided the 2022 Quality Verification Distribution Audit report (WMP-09-2023WMP-02, DR, California-POE-2023WMP-02-2022-01-01-2022-12-31). For each of the 15 "Zero tolerance & high-risk findings" identified on page 4 of the above report, what actions has PG&E taken to mitigate these non-conformances in the future?</p> | <p>10</p> | <p>CaPa_Sat WMP-22, D10</p> | <p>2</p> | <p>NA</p> | <p>8.1.6.1</p> | <p>Grid Design and System Hardening</p> | <p>Quality Assurance and Quality Control</p> |
| <p>Table PG&E-2.3 on page 340 of PG&E's WMP lists the number of undergrounding miles to be performed in 2023. Please refer to the spreadsheet "California-POE-2023WMP-23-01-01-2023-12-31" for more information. Note, the list of contractors and programs come from columns 1 and 2, respectively, of the spreadsheet for PG&E's responses to California-POE-2023WMP-06, question 1. Please note any additions that are necessary for completeness and accuracy.</p> <p>In response to data request California-POE-2023WMP-02, question 1, PG&E provided the 2022 Quality Verification Distribution Audit report (WMP-09-2023WMP-02, DR, California-POE-2023WMP-02-2022-01-01-2022-12-31). For each of the 15 "Zero tolerance & high-risk findings" identified on page 4 of the above report, what actions has PG&E taken to mitigate these non-conformances in the future?</p> <p>In response to data request California-POE-2023WMP-02, question 1, PG&E provided the 2022 Quality Verification Distribution Audit report (WMP-09-2023WMP-02, DR, California-POE-2023WMP-02-2022-01-01-2022-12-31). For each of the 15 "Zero tolerance & high-risk findings" identified on page 4 of the above report, what actions has PG&E taken to mitigate these non-conformances in the future?</p> | <p>11</p> | <p>CaPa_Sat WMP-22, O11</p> | <p>0</p> | <p>NA</p> | <p>8.1.2</p> | <p>Grid Design and System Hardening</p> | <p>Undergrounding of Electric Lines and/or Equipment - Distribution</p> |

| | | | | | | | | | | | | | | | | |
|-----|-------|------------|------------------|---|---------------------|--|---------------|----------|-----------|-----------|---|---|----|------------|--|---|
| 326 | CA/PA | Sat WMP-23 | CA/PA_Sat WMP-23 | 3 | CA/PA_Sat WMP-23_Q3 | <p>Regarding PG&E A/FN/PA&S Appendix C Program/Assistance Participation by Census Tract, p. A-6, please provide the demographics (especially racial/ethnic breakdown and income distribution), if known, for each census tract that received benefits of the following program:</p> <ul style="list-style-type: none"> a) Self-Generation Incentive Program b) Portable Battery Program c) Generator and Battery Reserve Program (GBRP) | Holly Wehrman | 5/3/2023 | 5/9/2023 | 5/9/2023 | https://www.sca.com/bay_global/governance/governance-reports-and-transparency/2023-annual-report/2023-annual-report-appendix-c-program-assistance-participation-by-census-tract | 3 | NA | 6.5.3 | Community Outreach and Engagement | Engagement with Access and Functional Needs Population |
| 327 | OEIS | 004 | OEIS_004 | 1 | OEIS_004_Q1 | <p>Regarding Ignition-Probability Weather Model (IPW) in WMP: it aims to "IPW framework analysis positive and negative changes in grid performance and reliability expected year and explore a meaningful approach to weigh more recent levels of learned performance more heavily in the fire model output."</p> <ul style="list-style-type: none"> a) Provide a description (i.e. changes in event, ignition, and outage numbers and location) of changes PG&E has observed in grid performance based on engineering system heeding obligations, including the amount of time back to observe any statistical changes that would account for changes in P&S decision-making. b) How is year-to-year weather variation accounted for in the analysis of year-over-year changes in grid performance and reliability? | Colin Lang | 5/4/2023 | 5/9/2023 | 5/9/2023 | https://www.sca.com/bay_global/governance/governance-reports-and-transparency/2023-annual-report/2023-annual-report-appendix-c-program-assistance-participation-by-census-tract | 0 | NA | 9.2.1 | Public Safety Power Shutoff | Risk Thresholds (i.e., WE, FPL, etc.) used Decision-Making Process That Determine the Need for a P&S. |
| 328 | OEIS | 004 | OEIS_004 | 2 | OEIS_004_Q2 | <p>Regarding EPSS in IPW Model</p> <p>PG&E discusses its Ignition-Probability Weather (IPW) Model on p. 765 of the WMP.</p> <ul style="list-style-type: none"> a) How does the IPW Model analyze and consider outages from EPSS (i.e. differentiating analysis completed)? b) How does the IPW Model account for EPSS-enabled circuits? | Colin Lang | 5/4/2023 | 5/9/2023 | 5/9/2023 | https://www.sca.com/bay_global/governance/governance-reports-and-transparency/2023-annual-report/2023-annual-report-appendix-c-program-assistance-participation-by-census-tract | 0 | NA | 9.2.1 | Public Safety Power Shutoff | Risk Thresholds (i.e., WE, FPL, etc.) used Decision-Making Process That Determine the Need for a P&S. |
| 329 | OEIS | 004 | OEIS_004 | 3 | OEIS_004_Q3 | <p>Regarding After Action Reports for Emergency Preparedness</p> <p>Provide the most recent After Action Report from emergency training exercises for the following exercises:</p> <ul style="list-style-type: none"> a) Table 8-20 Personnel Training b) Table 8-21 Emergency Preparedness Training Program c) Table 8-22 External Contractor Training d) P&S Evaluation for Distribution Control Center (DCC) Operations e) Table 8-23 External Contractor Training f) Table 8-24 External DHE, Simulation, and Tabletop Exercise Program g) Operations Based DHE/Fire h) Table 8-42 External DHE, Simulation, and Tabletop Exercise Program i) Operations Based DHE/Fire j) Operations Based P&S Fire | Colin Lang | 5/4/2023 | 5/9/2023 | 5/9/2023 | https://www.sca.com/bay_global/governance/governance-reports-and-transparency/2023-annual-report/2023-annual-report-appendix-c-program-assistance-participation-by-census-tract | 2 | NA | 8.4.2.2 | Emergency Preparedness | Personnel Training |
| 330 | OEIS | 004 | OEIS_004 | 4 | OEIS_004_Q4 | <p>Regarding Customer Group in P&S Objective PS-05</p> <p>PG&E indicates that it will focus on a group of customers "not listed by AFN, MFL and self-identified vulnerability populations."</p> <ul style="list-style-type: none"> a) What does PG&E define the group of customers it is focusing on? b) What is the size of this group of customers that PG&E is focusing on? | Colin Lang | 5/4/2023 | 5/9/2023 | 5/9/2023 | https://www.sca.com/bay_global/governance/governance-reports-and-transparency/2023-annual-report/2023-annual-report-appendix-c-program-assistance-participation-by-census-tract | 0 | NA | 8.5.3 | Community Outreach and Engagement | Engagement With Access and Functional Needs Populations |
| 331 | OEIS | 004 | OEIS_004 | 5 | OEIS_004_Q5 | <p>Regarding Areas of Concern and Focused Tree Inspections (FTI)</p> <p>Is there will PG&E address trees from green hazard trees (i.e. obviously dead, dying, or declining) in non-Areas of Concern (AOC)?</p> <p>PG&E indicates that SA TRAG form is not digital and will be used as a paper form. During FTI, what information is required on the O&M? Provide a copy of the form(s) within O&M.</p> <p>Are FTI, or any other inspections required to perform both a level 1 and level 2 inspection on each overvoltage tree?</p> <p>Are any of our critical trees with PG&E AOCs were treated under the EVM program?</p> <p>Are any of our PG&E AOCs with PG&E AOCs, that Operational Mitigation include programs such as Enhanced Pruning Safety Settings (EPSS) and Focused Tree Inspections, FTI is not described as an "operational mitigation" described in the O&M. Check this statement.</p> | Colin Lang | 5/4/2023 | 5/9/2023 | 5/9/2023 | https://www.sca.com/bay_global/governance/governance-reports-and-transparency/2023-annual-report/2023-annual-report-appendix-c-program-assistance-participation-by-census-tract | 1 | NA | 8.2.2.5 | Vegetation Management and Inspections | Focused Tree Inspections |
| 332 | OEIS | 004 | OEIS_004 | 6 | OEIS_004_Q6 | <p>Regarding Enhanced Vegetation Management</p> <p>a) Populate the following table with information regarding EVM:</p> <p>Year</p> <p>FTD Miles Completed</p> <p>Inspected</p> <p>Pruned</p> <p>Tree Trunks Worked</p> <p>Average Trees Per Mile</p> <p>% of Miles in Top 20% of Risk</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2022</p> <p>Total</p> <p>b) Provide a GIS layer of tree features showing where EVM work was completed.</p> | Colin Lang | 5/4/2023 | 5/9/2023 | 5/9/2023 | https://www.sca.com/bay_global/governance/governance-reports-and-transparency/2023-annual-report/2023-annual-report-appendix-c-program-assistance-participation-by-census-tract | 1 | NA | 8.2.2.6 | Vegetation Management and Inspections | Discouraged Programs |
| 332 | OEIS | 004 | OEIS_004 | 6 | OEIS_004_Q6a | <p>Regarding Enhanced Vegetation Management</p> <p>a) Populate the following table with information regarding EVM:</p> <p>Year</p> <p>FTD Miles Completed</p> <p>Inspected</p> <p>Pruned</p> <p>Tree Trunks Worked</p> <p>Average Trees Per Mile</p> <p>% of Miles in Top 20% of Risk</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2022</p> <p>Total</p> <p>b) Provide a GIS layer of tree features showing where EVM work was completed.</p> | Colin Lang | 5/4/2023 | 5/15/2023 | 5/15/2023 | https://www.sca.com/bay_global/governance/governance-reports-and-transparency/2023-annual-report/2023-annual-report-appendix-c-program-assistance-participation-by-census-tract | 0 | NA | 8.2.2.6 | Vegetation Management and Inspections | Discouraged Programs |
| 333 | OEIS | 004 | OEIS_004 | 7 | OEIS_004_Q7 | <p>Q7: Regarding Vegetation-Caused Outages</p> <p>a) Populate the following table of vegetation-caused outages by mode of failure in the FTD between 2015 and 2022, broken out by year. PG&E may add additional rows (i.e., mode of failure) if needed.</p> <p>VEGETATION CAUSED OUTAGE MODE OF FAILURE</p> <p>2015</p> <p>2016</p> <p>2017</p> <p>2018</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2022</p> <p>Total</p> <p>b) PG&E does not capture the FTD that in outage reports. Therefore the data being provided cannot be filtered to only include outages in FTD areas. Please see attachment "WMP-Discovey2023_DR_OEIS_004-Q007A001.xlsx" for the system wide vegetation-caused outage by mode of failure from 2015-2022 as reported by PG&E.</p> | Colin Lang | 5/4/2023 | 5/9/2023 | 5/9/2023 | https://www.sca.com/bay_global/governance/governance-reports-and-transparency/2023-annual-report/2023-annual-report-appendix-c-program-assistance-participation-by-census-tract | 1 | NA | Appendix D | Appendix D - Areas for Continued Improvement | ACI PG&E-20-28 - Progression of Effectiveness of Enhanced Customer Joint Study |

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|-----|------|-----|----------|----|--------------|--|--|------------|----------|-----------|-----------|---|---|------------|--|--|--|
| 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 enforcement (if applicable). The number of customer service requests received from OCD outages. <p>b. Any mitigation POGE is using to reduce reliability impacts from OCD 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? If so, what is the number of additional outages caused by PVD and OCD respectively in 2022?</p> <p>d. 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 test program?</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 voltage 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 near current fault conditions. 4,723,258 Miles. <p>b. OCD outages and circuits are already considered in our existing EPSS Reliability Program. Specific to OCD, POGE is testing more specific OCD mitigation on circuits to, where feasible, increase identification of outages. POGE will reduce outage rates and restoration times while maintaining the ignition detection benefit. Furthermore, a class of outages caused by OCD outages, or with multiple OCD outages on single device, our existing program (current) does not cover. We will update our existing reliability strategy of these devices.</p> <p>c. Date of May 4th, 2023 for 2022-2023 Partial Voltage Force Outages (PVFO):</p> <ol style="list-style-type: none"> 33 outages have occurred from PVFO. The table below matches outage causes to the Ignition Drivers listed in Table 6 of the QDR that occurred due to PVFO 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 at PV alarm when multiple meters aggregating to a line level indicate a partial voltage condition, and further we will clear PV alarms if normal returns. 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 line level indicate a partial voltage condition, and further we will clear PV alarms if normal returns. Yes. A "OCD outage" is an EPSS outage. POGE also evaluates PVFO outages. POGE regularly reports to the Board on the status of reliability and safety impacts. 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 at 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 feasibility (efficiency OFE) by circuit 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 economics and mitigate additional impacts, including opportunities to underground, or otherwise, the identified segments 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 work. As discussed in the 2023 WMP (p. 56), POGE evaluated the statistical significance of the 2022 EPSS implementation from data collected on the 2022-2023 season. | Colin Lang | 5/4/2023 | 5/9/2023 | 5/9/2023 | https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf | 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 its final feasibility constraints impact the decision making of the Wildlife Governance Steering Committee on selecting a portfolio of mitigation measures that deviates from the risk informed approach. This should include:</p> <ol style="list-style-type: none"> A flowchart or explanation of decision making as processed by the Wildlife Governance Steering Committee. The rationale for why constraints are necessary. The correlation between WFE and feasibility. Any associated ability to prioritize due to implementing feasibility constraints. A list of any projects not included within US scope due to feasibility constraints. | <p>1. POGE's final explanation of its final feasibility constraints impact the decision making of the Wildlife Governance Steering Committee on selecting a portfolio of mitigation measures that deviates from the risk informed approach. This should include:</p> <ol style="list-style-type: none"> A flowchart or explanation of decision making as processed by the Wildlife Governance Steering Committee. The rationale for why constraints are necessary. The correlation between WFE and feasibility. Any associated ability to prioritize due to implementing feasibility constraints. A list of any projects not included within US scope due to feasibility constraints. | Colin Lang | 5/4/2023 | 5/9/2023 | 5/9/2023 | https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf | 1 | Appendix D | Appendix D - Areas for Continued Improvement | ACI POGE-22-04 - Review Process of Posturing Wildlife 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 opposed to liability.</p> <p>c. Provide POGE's workplan for ensuring EPSS-directed mitigation measures, including safety and work hours affected around from wildfire risk mitigations. This should also include asset management related mitigations.</p> | <p>1. POGE's final explanation of its final feasibility constraints impact the decision making of the Wildlife Governance Steering Committee on selecting a portfolio of mitigation measures that deviates from the risk informed approach. This should include:</p> <ol style="list-style-type: none"> A flowchart or explanation of decision making as processed by the Wildlife Governance Steering Committee. The rationale for why constraints are necessary. The correlation between WFE and feasibility. Any associated ability to prioritize due to implementing feasibility constraints. A list of any projects not included within US scope due to feasibility constraints. | Colin Lang | 5/4/2023 | 5/9/2023 | 5/9/2023 | https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf | 2 | NA | 8.1.8.1 | 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>a. Provide the cumulative V1 and O1 risk scores of the 2022 WMP vs. 2023 WMP undergrounding scope for 2023. This should not include nor account for liability.</p> <p>b. Provide the analysis on the remaining risk of the risks no longer scoped for undergrounding, including:</p> <ol style="list-style-type: none"> Intensify mitigations being put into place if accepted for undergrounding in the future. The number of miles scoped for the future (year 2028). Alternative mitigations being used if no longer scoped for undergrounding. | <p>1. POGE's final explanation of its final feasibility constraints impact the decision making of the Wildlife Governance Steering Committee on selecting a portfolio of mitigation measures that deviates from the risk informed approach. This should include:</p> <ol style="list-style-type: none"> A flowchart or explanation of decision making as processed by the Wildlife Governance Steering Committee. The rationale for why constraints are necessary. The correlation between WFE and feasibility. Any associated ability to prioritize due to implementing feasibility constraints. A list of any projects not included within US scope due to feasibility constraints. | Colin Lang | 5/4/2023 | 5/9/2023 | 5/10/2023 | https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf | 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 only calculated by POGE for undergrounding projects, and</p> <p>b. Are the same 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 its final feasibility constraints impact the decision making of the Wildlife Governance Steering Committee on selecting a portfolio of mitigation measures that deviates from the risk informed approach. This should include:</p> <ol style="list-style-type: none"> A flowchart or explanation of decision making as processed by the Wildlife Governance Steering Committee. The rationale for why constraints are necessary. The correlation between WFE and feasibility. Any associated ability to prioritize due to implementing feasibility constraints. A list of any projects not included within US scope due to feasibility constraints. | Tom Long | 5/5/2023 | 5/11/2023 | 5/11/2023 | https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf https://www.wa.gov/energy/publications/wa-energy-publications/overseer-2023-2023-wmp-overseer2023-dr-oeis-004-q01-54601.pdf | 0 | NA | Appendix D | Appendix D - Areas for Continued Improvement | ACI POGE-22-04 - Review Process of Posturing Wildlife Mitigation |

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|-----|-------------------------------------|--------------------|--|---|--|---|--|---------------|----------|----------|----------|---|----|----------------|--|--|
| 345 | TURN | 012 | TURN_012 | 2 | TURN_012_Q2 | 2 | <p>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.2.10-08-021)</p> <p>3. Please describe any differences in wildfire mitigation program proposed in volume of wildfire mitigation work proposed between the WMP and GRC for the years 2023-2025, and</p> <p>4. 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.</p> | Ton 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 | <p>Please upload CPUC-reportable grid data. SPD's current data file is attached for 2014-2021. The current data file is an aggregated data set based on the data found here, under the "Ignition Data" VSPS is requesting an updated data set to be used for potential studies.</p> <p>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.</p> <p>2. Data may have been considered using additional information not accepted.</p> <p>3. Data may have been entered conservatively between years, which makes it difficult to perform analysis.</p> <p>4. Update the data to the actual number of acres burned rather than a range of acres.</p> <p>Before submitting final agreed-upon data to VSPS, please let us in confidence to discuss the ignition data available and the current data file. We would like to be more useful to VSPS.</p> | Henry Sweatt | 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 | 2 | <p>In addition to the data requested above, please add the following data columns for each ignition:</p> <p>1. "PFTD" - Classify each ignition as whether it was located in a "Class 1", "Class 2", or "Class 3", or "No-PFTD".</p> <p>2. "Fire Potential Index" - Provide the Fire Potential Index for the location on the day of each ignition.</p> | Henry Sweatt | 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 | 3 | <p>Provide the total number of circuit-mile days for each Fire Potential Index rating per year starting in 2014.</p> | Henry Sweatt | 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 | 4 | <p>Provide the total number of days per year for each Fire Potential Index rating for each Index Area starting in 2014.</p> | Henry Sweatt | 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 | 5 | <p>Provide the total number of circuit-mile days for each Fire Potential Index rating in the PFTD per year starting in 2014.</p> | Henry Sweatt | 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 | 6 | <p>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.</p> | Henry Sweatt | 5/5/2023 | 5/1/2023 | 5/1/2023 | 0 | NA | 8.3.6 | Situational Awareness and Forecasting | Fire Potential Index |
| 352 | CAIPA | Set WMP-24 | CaIPA_Set WMP-24 | 1 | CaIPA_Set WMP-24_Q1 | 1 | <p>In response to your response to Question 11 of DR CAIPA/Exec-PGE-2023/WMP-16, on the excel spreadsheet WMP-Discovery 2022_DR_016-Q011 (Attachment 1).</p> <p>1. On the (a) (b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n) (o) (p) (q) (r) (s) (t) (u) (v) (w) (x) (y) (z) (aa) (ab) (ac) (ad) (ae) (af) (ag) (ah) (ai) (aj) (ak) (al) (am) (an) (ao) (ap) (aq) (ar) (as) (at) (au) (av) (aw) (ax) (ay) (az) (ba) (bb) (bc) (bd) (be) (bf) (bg) (bh) (bi) (bj) (bk) (bl) (bm) (bn) (bo) (bp) (bq) (br) (bs) (bt) (bu) (bv) (bw) (bx) (by) (bz) (ca) (cb) (cc) (cd) (ce) (cf) (cg) (ch) (ci) (cj) (ck) (cl) (cm) (cn) (co) (cp) (cq) (cr) (cs) (ct) (cu) (cv) (cw) (cx) (cy) (cz) (da) (db) (dc) (dd) (de) (df) (dg) (dh) (di) (dj) (dk) (dl) (dm) (dn) (do) (dp) (dq) (dr) (ds) (dt) (du) (dv) (dw) (dx) (dy) (dz) (ea) (eb) (ec) (ed) (ee) (ef) (eg) (eh) (ei) (ej) (ek) (el) (em) (en) (eo) (ep) (eq) (er) (es) (et) (eu) (ev) (ew) (ex) (ey) (ez) (fa) (fb) (fc) (fd) (fe) (ff) (fg) (fh) (fi) (fj) (fk) (fl) (fm) (fn) (fo) (fp) (fq) (fr) (fs) (ft) (fu) (fv) (fw) (fx) (fy) (fz) (ga) (gb) (gc) (gd) (ge) (gf) (gg) (gh) (gi) (gj) (gk) (gl) (gm) (gn) (go) (gp) (gq) (gr) (gs) (gt) (gu) (gv) (gw) (gx) (gy) (gz) (ha) (hb) (hc) (hd) (he) (hf) (hg) (hh) (hi) (hj) (hk) (hl) (hm) (hn) (ho) (hp) (hq) (hr) (hs) (ht) (hu) (hv) (hw) (hx) (hy) (hz) (ia) (ib) (ic) (id) (ie) (if) (ig) (ih) (ii) (ij) (ik) (il) (im) (in) (io) (ip) (iq) (ir) (is) (it) (iu) (iv) (iw) (ix) (iy) (iz) (ja) (jb) (jc) (jd) (je) (jf) (jg) (jh) (ji) (jj) (jk) (jl) (jm) (jn) (jo) (jp) (jq) (jr) (js) (jt) (ju) (jv) (jw) (jx) (jy) (jz) (ka) (kb) (kc) (kd) (ke) (kf) (kg) (kh) (ki) (kj) (kk) (kl) (km) (kn) (ko) (kp) (kq) (kr) (ks) (kt) (ku) (kv) (kw) (kx) (ky) (kz) (la) (lb) (lc) (ld) (le) (lf) (lg) (lh) (li) (lj) (lk) (ll) (lm) (ln) (lo) (lp) (lq) (lr) (ls) (lt) (lu) (lv) (lw) (lx) (ly) (lz) (ma) (mb) (mc) (md) (me) (mf) (mg) (mh) (mi) (mj) (mk) (ml) (mm) (mn) (mo) (mp) (mq) (mr) (ms) (mt) (mu) (mv) (mw) (mx) (my) (mz) (na) (nb) (nc) (nd) (ne) (nf) (ng) (nh) (ni) (nj) (nk) (nl) (nm) (nn) (no) (np) (nq) (nr) (ns) (nt) (nu) (nv) (nw) (nx) (ny) (nz) (oa) (ob) (oc) (od) (oe) (of) (og) (oh) (oi) (oj) (ok) (ol) (om) (on) (oo) (op) (oq) (or) (os) (ot) (ou) (ov) (ow) (ox) (oy) (oz) (pa) (pb) (pc) (pd) (pe) (pf) (pg) (ph) (pi) (pj) (pk) (pl) (pm) (pn) (po) (pp) (pq) (pr) (ps) (pt) (pu) (pv) (pw) (px) (py) (pz) (qa) (qb) (qc) (qd) (qe) (qf) (qg) (qh) (qi) (qj) (qk) (ql) (qm) (qn) (qo) (qp) (qq) (qr) (qs) (qt) (qu) (qv) (qw) (qx) (qy) (qz) (ra) (rb) (rc) (rd) (re) (rf) (rg) (rh) (ri) (rj) (rk) (rl) (rm) (rn) (ro) (rp) (rq) (rr) (rs) (rt) (ru) (rv) (rw) (rx) (ry) (rz) (sa) (sb) (sc) (sd) (se) (sf) (sg) (sh) (si) (sj) (sk) (sl) (sm) (sn) (so) (sp) (sq) (sr) (ss) (st) (su) (sv) (sw) (sx) (sy) (sz) (ta) (tb) (tc) (td) (te) (tf) (tg) (th) (ti) (tj) (tk) (tl) (tm) (tn) (to) (tp) (tq) (tr) (ts) (tt) (tu) (tv) (tw) (tx) (ty) (tz) (ua) (ub) (uc) (ud) (ue) (uf) (ug) (uh) (ui) (uj) (uk) (ul) (um) (un) (uo) (up) (uq) (ur) (us) (ut) (uu) (uv) (uw) (ux) (uy) (uz) (va) (vb) (vc) (vd) (ve) (vf) (vg) (vh) (vi) (vj) (vk) (vl) (vm) (vn) (vo) (vp) (vq) (vr) (vs) (vt) (vu) (vv) (vw) (vx) (vy) (vz) (wa) (wb) (wc) (wd) (we) (wf) (wg) (wh) (wi) (wj) (wk) (wl) (wm) (wn) (wo) (wp) (wq) (wr) (ws) (wt) (wu) (wv) (ww) (wx) (wy) (wz) (xa) (xb) (xc) (xd) (xe) (xf) (xg) (xh) (xi) (xj) (xk) (xl) (xm) (xn) (xo) (xp) (xq) (xr) (xs) (xt) (xu) (xv) (xw) (xx) (xy) (xz) (ya) (yb) (yc) (yd) (ye) (yf) (yg) (yh) (yi) (yj) (yk) (yl) (ym) (yn) (yo) (yp) (yq) (yr) (ys) (yt) (yu) (yv) (yw) (yx) (yz) (za) (zb) (zc) (zd) (ze) (zf) (zg) (zh) (zi) (zj) (zk) (zl) (zm) (zn) (zo) (zp) (zq) (zr) (zs) (zt) (zu) (zv) (zw) (zx) (zy) (zz)</p> | Holly Wellman | 5/9/2023 | 5/1/2023 | 5/1/2023 | 2 | NA | 8.1.2.2 | Grid Design and System Hardening | Underpinning of Electric Lines and/or Equipment |
| 353 | MGRA | Data Request No. 5 | MGRA_Data Request No. 5 | 1 | MGRA_Data Request No. 5_Q1 | 1 | <p>In the table source of this POI data the machine learning algorithm described in WDRM documentation? If not what other steps do you take for POI?</p> | 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 HFRPA Proposed Updates to HFTD |
| 354 | MGRA | Data Request No. 5 | MGRA_Data Request No. 5 | 2 | MGRA_Data Request No. 5_Q2 | 2 | <p>Is the fine-grained POI distribution a result of the localization of specific historical outages, characteristics of assets or equipment, or both?</p> | 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 HFRPA Proposed Updates to HFTD |
| 355 | MGRA | Data Request No. 5 | MGRA_Data Request No. 5 | 3 | MGRA_Data Request No. 5_Q3 | 3 | <p>What are the following characteristics known or expected to contribute to the fine-grained localization of POI shown above, and to what degree?</p> <p>a. Population</p> <p>b. Fire density and height</p> <p>c. Asset health</p> <p>d. Asset age</p> <p>e. Asset type</p> <p>f. Underpinning Mitigation history.</p> | 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 HFRPA Proposed Updates to HFTD |

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|-----|-------------------------------------|-----|---|-----|---|--|--------------|-----------|-----------|-----------|---|----|------------|---|--|
| 300 | OEIS | 008 | OEIS_008 | 3 | OEIS_008_03 | <p>Regarding Inspection Find Rates</p> <p>Review PG&E's work order find rate for distribution overhead (DF) detailed 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.</p> <p>* Find rates are counted by unique notifications, so in some cases more than one notification is present for a single structure.</p> <p>* Find rates for 2019 include only findings from PG&E's WSP inspections, not GO 165 inspections.</p> <p>* 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 knowledge app and are not part of the inspection program or items identified in the specific risk. This data may also exclude findings that were made before the first day of inspection in year. We are currently collaborating on find rate reporting for future VDR submissions and data requests by creating a formal Job Aid for this process. We will also create a single source of data for inspections and findings.</p> <p>Find Rate Data</p> <p>Q1 Q2 Q3 Q4</p> <p>Annual Find Rates</p> <p>2018 0.07% 0.06% 0.07% 0.20% 0.08%</p> <p>2019 0.11% 0.14% 0.17% 0.21% 0.14%</p> <p>2020 0.12% 0.11% 0.11% 0.10% 0.11%</p> <p>2021 0.07% 0.12% 0.10% 0.08% 0.09%</p> <p>2022 0.14% 0.09% 0.12% 0.06% 0.10%</p> <p>DF Inspection Rates</p> <p>Q1 Q2 Q3 Q4</p> <p>Annual Find Rates</p> <p>2018 3.33% 7.37% 8.50% 14.08% 8.24%</p> <p>2019 36.09% 29.04% 43.98% 26.76% 30.83%</p> <p>2020 34.09% 22.11% 23.81% 22.27% 23.08%</p> <p>2021 18.89% 16.19% 22.16% 25.26% 20.72%</p> | Dakota Smith | 5/25/2023 | 6/5/2023 | 6/5/2023 | 0 | NA | 8.1.3.2 | Asset Inspections | Distribution Asset Inspections |
| 301 | OEIS | 008 | OEIS_008 | 4 | OEIS_008_04 | <p>Regarding PG&E's response to TURN 010 Question 4</p> <p>a. Provide Attachment 1 with the following additional columns:</p> <p>i. Length of line (mi)</p> <p>ii. V3 Risk Score</p> <p>iii. V3 Risk Rank</p> <p>iv. If not included above, provide the V3 risk rank for the following CPDs, and explain why they are not included in the above:</p> <p>i. BRANWICK 111083100</p> <p>ii. GREEN VALLEY 21011504</p> <p>iii. GREEN VALLEY 210112106</p> <p>iv. GREEN VALLEY 210138020</p> <p>v. JAMESON 110548234</p> <p>vi. LAURELES 11110200</p> <p>vii. MADISON 21011606</p> <p>viii. MCATKIN 11011544</p> <p>ix. MORGANHILL 211109398</p> <p>x. NARROWS 21022220</p> <p>xi. NARROWS 21022116</p> <p>xii. NARROWS 21022108</p> <p>xiii. NARROWS 21022748</p> <p>xiv. PANORAMA 11021242</p> <p>xv. PANORAMA 11021258</p> <p>xvi. PANORAMA 21021261</p> <p>xvii. SHINGLE SPRINGS 210912022</p> <p>xviii. SHINGLE SPRINGS 210901972</p> <p>xix. SILVERADO 21050802</p> <p>xx. TEMPLETON 211001690</p> | 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 Voltage Regulators |
| 302 | CPUC - SPD (Safety Policy Division) | 008 | CPUC - SPD (Safety Policy Division)_008_01A | 1/6 | CPUC - SPD (Safety Policy Division)_008_01A | <p>SPD appreciates the timely response and provision of ignition data as requested, via WMP.</p> <p>Section 7.2.2 of the 2023-2025 WMP and provided in attachment WMP_Disclosure2023_DR_SPD_009-0011601.xlsx</p> <p>Please see "WMP_Disclosure2023_DR_SPD_008-0011A001.xlsx" for the updated spreadsheet with the requested corrections to columns U and V.</p> | 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 Increase in Risk Events |
| 303 | OEIS | 009 | OEIS_009_01 | 1 | OEIS_009_01 | <p>Q1: Regarding PG&E's Secondary and Service Lines</p> <p>a. What percentage of PG&E's 2023-2028 undergrounding projects have associated secondary or service lines? What is the range of such lines?</p> <p>b. What is the ratio of undergrounding mileage to secondary or service lines for PG&E's 2023-2028 undergrounding projects (i.e., for every mile of the undergrounded, how many miles of secondary or service lines remain)?</p> | Dakota Smith | 6/1/2023 | 6/6/2023 | 6/6/2023 | 0 | NA | 8.1.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 304 | CPUC - SPD (Safety Policy Division) | 009 | CPUC - SPD (Safety Policy Division)_009_01 | 1 | CPUC - SPD (Safety Policy Division)_009_01 | <p>10- pages 345-347 of the 2023 WMP PG&E discusses its risk reduction from undergrounding work and states "This plan will allow PG&E to target risk reduction in the highest wildfire risk areas to ultimately approximate 18 percent of existing wildfire risk by the end of 2028." Please elaborate and show how PG&E calculated 18 percent wildfire risk reduction from undergrounding work.</p> <p>1) Which version of the WDRM was used?</p> <p>2) How much risk reduction was assumed for each year?</p> <p>3) Which version of the WDRM was used?</p> <p>4) How are other models used to calculate risk reduction and if so, how?</p> <p>5) How are other models used to calculate risk reduction and if so, how?</p> <p>6) How are other models used to calculate risk reduction and if so, how?</p> <p>7) How are other models used to calculate risk reduction and if so, how?</p> <p>8) How are other models used to calculate risk reduction and if so, how?</p> <p>9) How are other models used to calculate risk reduction and if so, how?</p> <p>10) How are other models used to calculate risk reduction and if so, how?</p> | Kevin Miller | 6/2/2023 | 6/6/2023 | 6/7/2023 | 1 | NA | 8.1.2 | Grid Design and System Hardening | Undergrounding of Electric Lines and/or Equipment - Distribution |
| 305 | CPUC - SPD (Safety Policy Division) | 009 | CPUC - SPD (Safety Policy Division)_009_02 | 2 | CPUC - SPD (Safety Policy Division)_009_02 | <p>2-DIG pages 645 of the 2023 WMP PG&E states there has been a "Reduced size and duration of PSPS events" and states "This is a indicator of increased operational maturity, flexibility, and system resilience."</p> <p>a. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>b. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>c. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>d. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>e. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>f. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>g. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>h. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>i. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>j. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>k. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>l. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>m. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>n. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>o. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>p. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>q. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>r. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>s. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>t. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>u. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>v. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>w. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>x. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>y. How does PG&E measure operational maturity, flexibility, and system resilience?</p> <p>z. How does PG&E measure operational maturity, flexibility, and system resilience?</p> | Kevin Miller | 6/2/2023 | 6/6/2023 | 6/7/2023 | 0 | NA | 8.1.2 | Public Safety Power Shutoff | Identification of Frequently De-Energized Customers |
| 306 | CPUC - SPD (Safety Policy Division) | 009 | CPUC - SPD (Safety Policy Division)_009_03 | 3 | CPUC - SPD (Safety Policy Division)_009_03 | <p>PG&E has the relevant information to complete this question. The relevant information is located in the 2023 WMP, Section 6.1.8, "Personnel Training Program for Wildfire and PSPS Events." Other tables relating to staffing indicate if the relevant information is complete training in time and results for not all being completed in the timing of labor required provision. Why are there less than required values of personnel not completing the training?</p> | Kevin Miller | 6/2/2023 | 6/6/2023 | 6/7/2023 | 0 | NA | 8.1.3 | Grid Operations and Procedures | Personnel Work Procedures and Training in Conditions of Elevated Fire Risk |

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|-----|------|------------|-----------------|----|---------------------|---|--------------|-----------|-----------|-----------|---|----|---------|---------------------------------------|---|
| 432 | CaPA | Set WMP-28 | CaPA_Sat WMP-28 | 11 | CaPA_Sat WMP-28_011 | <p>RN-PG&E-23-04 Footnote 16 on page 52 of PG&E's response states, "PG&E will develop a risk spend affidavit by isolation zone boards and not for individual tags. We will identify groupings of EC notification in an isolation zone similar to a circuit protection zone and sum the wildlife 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 affidavit for individual notifications." (a) How will PG&E determine the wildlife risk of individual notifications? (b) How will PG&E determine the unit cost of individual notifications?</p> | Holy Wetman | 8/19/2023 | 8/15/2023 | 8/15/2023 | 0 | NA | 8.1.8 | Grid Operations and Procedures | NA |
| 433 | CaPA | Set WMP-28 | CaPA_Sat WMP-28 | 12 | CaPA_Sat WMP-28_012 | <p>RN-PG&E-23-04 PG&E states that an isolation zone is "similar to a circuit protection zone" (footnote 16 on page 52). (a) Is an isolation zone identical to a circuit protection zone? (b) If the answer to part (a) is no, describe the difference.</p> | Holy Wetman | 8/19/2023 | 8/15/2023 | 8/15/2023 | 0 | NA | 8.1.8 | Grid Operations and Procedures | NA |
| 434 | CaPA | Set WMP-28 | CaPA_Sat WMP-28 | 13 | CaPA_Sat WMP-28_013 | <p>RN-PG&E-23-04 Page 55 of PG&E's response states, "Inspection can also recommend that a notification be cancelled if it has been created in error or it is already completed." (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.</p> | Holy Wetman | 8/19/2023 | 8/16/2023 | 8/16/2023 | 0 | NA | 8.1.8 | Grid Operations and Procedures | NA |
| 435 | CaPA | Set WMP-28 | CaPA_Sat WMP-28 | 14 | CaPA_Sat WMP-28_014 | <p>RN-PG&E-23-04 Table RN-PG&E-23-04-6 on page 59 of PG&E's response estimates PG&E will create 10,200 level two tags in 2023, 54,000 level two tags in 2024, and 50,000 level two tags in 2025. (a) How does PG&E plan to replace a number of level 2 tags PG&E forecasts being created in 2024 and 2025 compared to 2023. (b) How does PG&E plan to replace a number of level 2 tags PG&E forecasts being created in 2024 and 2025 compared to 2023. (c) How does PG&E plan to replace a number of level 2 tags PG&E forecasts being created in 2024 and 2025 compared to 2023.</p> | Holy Wetman | 8/19/2023 | 8/15/2023 | 8/15/2023 | 0 | NA | 8.1.8 | Grid Operations and Procedures | NA |
| 436 | CaPA | Set WMP-28 | CaPA_Sat WMP-28 | 15 | CaPA_Sat WMP-28_015 | <p>RN-PG&E-23-04 Page 55 of PG&E's response states, "For example, we have found certain isolations (i.e., isolations with low level of an evaluation, and number of isolations per year) do not pose an increased risk of ignition. Instead of issuing an ignition risk maintenance tag, the isolations 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 PG&E would repair isolations that are not pose an ignition risk, and describe an isolation a maintenance tag. (c) How does PG&E's asset management team use isolations as an indicator of "holistic asset health" and under what circumstances does the asset management team take action based on this indicator?</p> | Holy Wetman | 8/19/2023 | 8/15/2023 | 8/15/2023 | 0 | NA | 8.1.8 | Grid Operations and Procedures | NA |
| 437 | CaPA | Set WMP-28 | CaPA_Sat WMP-28 | 16 | CaPA_Sat WMP-28_016 | <p>RN-PG&E-23-05 Page 68 of PG&E'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. PG&E chose to add different circuit segments to the portfolio that could be undergrounded more affordably. PG&E manages wildlife risk in these 79 circuit segments using a portfolio of Comprehensive Monitoring and Data Collection and Operational Mitigation Measures described above." (a) How does PG&E calculate overhead hardening on the 79 circuit segments described in the answer? (b) If the answer to part (a) is yes, why did PG&E not use overhead hardening as a mitigation for these 79 circuit segments? (c) If the answer to part (a) is no, explain why not.</p> | Holy Wetman | 8/19/2023 | 8/15/2023 | 8/15/2023 | 0 | NA | 8.1.2 | Grid Design and System Hardening | Undergrounding of electric lines and/or equipment |
| 438 | CaPA | Set WMP-28 | CaPA_Sat WMP-28 | 17 | CaPA_Sat WMP-28_017 | <p>RN-PG&E-23-05 Table RN-PG&E-23-05-2 on page 72 of PG&E's response compares the mileage in the top 20% of WFE, the top 20% of WORM, and the top 20% of WORM-C. (a) How does PG&E calculate the WFE, WORM, and WORM-C risk scores? (b) How does PG&E calculate the WFE, WORM, and WORM-C risk scores? (c) Does the list of circuit segments marked by WFE incorporate risk scores from WORM-C? If yes, describe how.</p> | Holy Wetman | 8/19/2023 | 8/15/2023 | 8/15/2023 | 0 | NA | 8.1.2 | Grid Design and System Hardening | Undergrounding of electric lines and/or equipment |
| 439 | CaPA | Set WMP-28 | CaPA_Sat WMP-28 | 18 | CaPA_Sat WMP-28_018 | <p>RN-PG&E-23-05 Page 72 of PG&E'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 percent compared to the 99 percent." (a) Describe how PG&E calculated the effectiveness of 97 percent? (b) Provide supporting data and evidence for your response to part (a).</p> | Holy Wetman | 8/19/2023 | 8/15/2023 | 8/15/2023 | 1 | NA | 8.2.2 | Vegetation Management and Inspections | Vegetation Management Inspections |
| 440 | CaPA | Set WMP-28 | CaPA_Sat WMP-28 | 19 | CaPA_Sat WMP-28_019 | <p>RN-PG&E-23-07 Page 103 of PG&E's response states, "The TAT was developed to fit the scope of the EVM program. With the completion of EVM, PG&E has decided to continue the use of the TAT and will be using forward with isolated accepted assemblies using the TRAG program for similar to the scope of EVM (approximately 1,800 miles)." (a) Describe the ways in which the TAT and TRAG programs are similar. (b) Describe the ways in which the TAT and TRAG programs are different.</p> | Holy Wetman | 8/19/2023 | 8/15/2023 | 8/15/2023 | 2 | NA | 8.2.2 | Vegetation Management and Inspections | Vegetation Management Inspections |
| 441 | CaPA | Set WMP-28 | CaPA_Sat WMP-28 | 20 | CaPA_Sat WMP-28_020 | <p>RN-PG&E-23-07 Page 104 of PG&E's response states, "Given that we began working with the ISA TRAG in 2023, data does not exist to differentially compare effectiveness differences between ISA TRAG and the TAT." (a) How does PG&E plan to perform a study or analysis to compare the effectiveness of the TAT and the ISA TRAG? This may include, for example, performing a subset of FTI work using both tools. (b) How does PG&E plan to perform a study or analysis to compare the effectiveness of the TAT and the ISA TRAG? This may include, for example, performing a subset of FTI work using both tools. (c) If the answer to part (a) is no, please explain why not.</p> | Holy Wetman | 8/19/2023 | 8/15/2023 | 8/15/2023 | 0 | NA | 8.2.2 | Vegetation Management and Inspections | Vegetation Management Inspections |
| 442 | O&S | 011 | O&S_011 | 1 | O&S_011_01 | <p>Regarding distribution detailed ground inspections (a) Change 464 of the revised WMP. PG&E states that it will shift from inspecting all FTD 3 distribution assets annually and high consequence plant every two years. (b) Please provide the number of assets/locations (using the same asset/location definition as WMP R2 table 1.3.1.3, page 465) located at FTD 3. (c) Please provide the number of assets/locations (using the same asset/location definition as WMP R2 table 1.3.1.3, page 465) located at FTD 3. (d) Please provide the number of assets/locations (using the same asset/location definition as WMP R2 table 1.3.1.3, page 465) located at FTD 3.</p> | Dakota Smith | 8/19/2023 | 8/23/2023 | 8/23/2023 | 0 | NA | 8.1.3.1 | Asset Inspections | Detailed Ground Inspection |
| 443 | O&S | 011 | O&S_011 | 2 | O&S_011_02 | <p>Regarding PG&E's Grid Design and Maintenance Quality Control (a) Can the program with location information be integrated with the TRAG program? (b) Can the program with location information be integrated with the TRAG program? (c) Can the program with location information be integrated with the TRAG program? (d) Can the program with location information be integrated with the TRAG program? (e) Can the program with location information be integrated with the TRAG program? (f) Can the program with location information be integrated with the TRAG program? (g) Can the program with location information be integrated with the TRAG program? (h) Can the program with location information be integrated with the TRAG program? (i) Can the program with location information be integrated with the TRAG program? (j) Can the program with location information be integrated with the TRAG program? (k) Can the program with location information be integrated with the TRAG program? (l) Can the program with location information be integrated with the TRAG program? (m) Can the program with location information be integrated with the TRAG program? (n) Can the program with location information be integrated with the TRAG program? (o) Can the program with location information be integrated with the TRAG program? (p) Can the program with location information be integrated with the TRAG program? (q) Can the program with location information be integrated with the TRAG program? (r) Can the program with location information be integrated with the TRAG program? (s) Can the program with location information be integrated with the TRAG program? (t) Can the program with location information be integrated with the TRAG program? (u) Can the program with location information be integrated with the TRAG program? (v) Can the program with location information be integrated with the TRAG program? (w) Can the program with location information be integrated with the TRAG program? (x) Can the program with location information be integrated with the TRAG program? (y) Can the program with location information be integrated with the TRAG program? (z) Can the program with location information be integrated with the TRAG program?</p> | Dakota Smith | 8/19/2023 | 8/23/2023 | 8/23/2023 | 0 | NA | 8.1.6 | Quality Assurance and Quality Control | NA |

| Request Number | Request Category | Request Title | Request Description | Response Number | Response Category | Response Title | Response Description | Request Status | Request Priority | Request Due Date | Response Due Date | Response Link | Requester Name | Requester Title | Requester Organization | Request Status | Request Priority | Request Due Date | Response Due Date | Response Link | Requester Name | Requester Title | Requester Organization | |
|----------------|------------------|---------------|---------------------|-----------------|---------------------|----------------|----------------------|----------------|------------------|------------------|--|---|----------------|-----------------|------------------------|----------------|------------------|---|-------------------|---------------|----------------|--|---|---|
| 453 | CAIPA | Set WMP-29 | CAIPA_Set WMP-29-04 | 4 | CAIPA_Set WMP-29-04 | 4 | CAIPA_Set WMP-29-04 | 0 | NA | NA | NA | NA | NA | Holly Wehman | 9/7/2023 | 9/7/2023 | 9/7/2023 | https://www.psc.state.ny.us/Regulatory/Files/CAIPA_Set%20WMP-29-04_Response04.pdf | 1 | NA | NA | NA | NA | NA |
| 454 | CAIPA | Set WMP-29 | CAIPA_Set WMP-29-05 | 5 | CAIPA_Set WMP-29-05 | 5 | CAIPA_Set WMP-29-05 | 0 | NA | NA | NA | NA | NA | Holly Wehman | 9/7/2023 | 9/7/2023 | 9/7/2023 | https://www.psc.state.ny.us/Regulatory/Files/CAIPA_Set%20WMP-29-05_Response05.pdf | 0 | NA | NA | NA | NA | NA |
| 455 | CAIPA | Set WMP-29 | CAIPA_Set WMP-29-06 | 6 | CAIPA_Set WMP-29-06 | 6 | CAIPA_Set WMP-29-06 | 0 | NA | 6.2.3.4 | Vegetation Management and Inspections | Full in Mitigation | | Holly Wehman | 9/7/2023 | 9/7/2023 | 9/7/2023 | https://www.psc.state.ny.us/Regulatory/Files/CAIPA_Set%20WMP-29-06_Response06.pdf | 0 | NA | 6.2.3.4 | Vegetation Management and Inspections | Full in Mitigation | Full in Mitigation |
| 456 | CAIPA | Set WMP-29 | CAIPA_Set WMP-29-07 | 7 | CAIPA_Set WMP-29-07 | 7 | CAIPA_Set WMP-29-07 | 0 | NA | 8.1.1.1 | Grid Operations and Procedures | Protective Equipment and Device Settings | | Holly Wehman | 9/7/2023 | 9/7/2023 | 9/7/2023 | https://www.psc.state.ny.us/Regulatory/Files/CAIPA_Set%20WMP-29-07_Response07.pdf | 0 | NA | 8.1.1.1 | Grid Operations and Procedures | Protective Equipment and Device Settings | Protective Equipment and Device Settings |
| 457 | CAIPA | Set WMP-29 | CAIPA_Set WMP-29-08 | 8 | CAIPA_Set WMP-29-08 | 8 | CAIPA_Set WMP-29-08 | 0 | NA | 7.2.1 | Wildfire Mitigation Strategy Development | Overview of Mitigation Initiatives and Activities | | Holly Wehman | 9/7/2023 | 9/7/2023 | 9/7/2023 | https://www.psc.state.ny.us/Regulatory/Files/CAIPA_Set%20WMP-29-08_Response08.pdf | 0 | NA | 7.2.1 | Wildfire Mitigation Strategy Development | Overview of Mitigation Initiatives and Activities | Overview of Mitigation Initiatives and Activities |
| 458 | OEIS | 013 | OEIS_013 | 1 | OEIS_013 | 01 | OEIS_013_01 | 1 | NA | 6.1.1.1 | Risk Score Calculations | NA | | Dakota Smith | 9/8/2023 | 9/13/2023 | 9/13/2023 | https://www.psc.state.ny.us/Regulatory/Files/CAIPA_Set%20WMP-29-08_Response08.pdf | 0 | NA | 6.1.1.1 | Risk Score Calculations | NA | NA |
| 459 | TURN | 014 | TURN_014 | 1 | TURN_014 | 01 | TURN_014_01 | 1 | NA | NA | NA | NA | | Tim Long | 9/7/2023 | 9/30/2023 | 9/30/2023 | https://www.psc.state.ny.us/Regulatory/Files/TURN_014_001%20Response01.pdf | 1 | NA | NA | NA | NA | NA |
| 460 | OEIS | 014 | OEIS_014 | 1 | OEIS_014 | 01 | OEIS_014_01 | 1 | NA | 6.1.2.2 | Grid Design and System Hardening | Underpinning of electric lines and/or equipment | | Dakota Smith | 10/6/2023 | 10/11/2023 | 10/11/2023 | https://www.psc.state.ny.us/Regulatory/Files/CAIPA_Set%20WMP-29-08_Response08.pdf | 0 | NA | 6.1.2.2 | Grid Design and System Hardening | Underpinning of electric lines and/or equipment | Underpinning of electric lines and/or equipment |

Table with columns for ID, Agency, Program, Project Name, Milestone, Title, Status, Dates, Website, Funding, and other project details. Rows include information about undergrounding projects, vegetation management, and utility line installation.

| | | | | | | | |
|-----|------|------------|--------------------|---|--------------------|--|--|
| 514 | CaPA | Set WMP-41 | CaPA_Set WMP-41-01 | 1 | CaPA_Set WMP-41-01 | <p>a) Please list all distinct risk scores generated by PG&E's WDRM v4. For example, WDRM 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 the 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. If PG&E expects to utilize a risk score to inform a mitigation initiative in the future, please so note.</p> <p>e) For each risk score in part (a), please state the most granular level available for that risk score. For example, in WDRM v4, the most granular level available would be the risk scores associated with individual 100m x 100m parcels.</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 responses (e.g. circuit segment, circuit, individual assets, individual risks, etc.).</p> | <p>How are 23 event/probability models from WDRM v4 that produce ignition risk values > Animal – Bird – Avian – Equipment – Human – Other – Capacitor Bank – 230V – Power – Primary Conductor – Line Size – Primary Conductor – Wire Down – Primary Conductor – Other – Secondary Conductor – Support Structure – Loading – Support Structure – Equipment – Switch – Third Party – Ballast – Third Party – Vehicle – Third Party – Other – Transformer – Equipment – Transformer – Loading – Vegetation – Branch – Vegetation – Trees – Vegetation – Other – Voltage Regulator – Other Equipment Response to Subpart (b) through (f) of this request are described in the table below.</p> <p>Risk Score</p> <p>Category / Description</p> <p>0</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10</p> <p>11</p> <p>12</p> <p>13</p> <p>14</p> <p>15</p> <p>16</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p> <p>26</p> <p>27</p> <p>28</p> <p>29</p> <p>30</p> <p>31</p> <p>32</p> <p>33</p> <p>34</p> <p>35</p> <p>36</p> <p>37</p> <p>38</p> <p>39</p> <p>40</p> <p>41</p> <p>42</p> <p>43</p> <p>44</p> <p>45</p> <p>46</p> <p>47</p> <p>48</p> <p>49</p> <p>50</p> <p>51</p> <p>52</p> <p>53</p> <p>54</p> <p>55</p> <p>56</p> <p>57</p> <p>58</p> <p>59</p> <p>60</p> <p>61</p> <p>62</p> <p>63</p> <p>64</p> <p>65</p> <p>66</p> <p>67</p> <p>68</p> <p>69</p> <p>70</p> <p>71</p> <p>72</p> <p>73</p> <p>74</p> <p>75</p> <p>76</p> <p>77</p> <p>78</p> <p>79</p> <p>80</p> <p>81</p> <p>82</p> <p>83</p> <p>84</p> <p>85</p> <p>86</p> <p>87</p> <p>88</p> <p>89</p> <p>90</p> <p>91</p> <p>92</p> <p>93</p> <p>94</p> <p>95</p> <p>96</p> <p>97</p> <p>98</p> <p>99</p> <p>100</p> <p>101</p> <p>102</p> <p>103</p> <p>104</p> <p>105</p> <p>106</p> <p>107</p> <p>108</p> <p>109</p> <p>110</p> <p>111</p> <p>112</p> <p>113</p> <p>114</p> <p>115</p> <p>116</p> <p>117</p> <p>118</p> <p>119</p> <p>120</p> <p>121</p> <p>122</p> <p>123</p> <p>124</p> <p>125</p> <p>126</p> <p>127</p> <p>128</p> <p>129</p> <p>130</p> <p>131</p> <p>132</p> <p>133</p> <p>134</p> <p>135</p> <p>136</p> <p>137</p> <p>138</p> <p>139</p> <p>140</p> <p>141</p> <p>142</p> <p>143</p> <p>144</p> <p>145</p> <p>146</p> <p>147</p> <p>148</p> <p>149</p> <p>150</p> <p>151</p> <p>152</p> <p>153</p> <p>154</p> <p>155</p> <p>156</p> <p>157</p> <p>158</p> <p>159</p> <p>160</p> <p>161</p> <p>162</p> <p>163</p> <p>164</p> <p>165</p> <p>166</p> <p>167</p> <p>168</p> <p>169</p> <p>170</p> <p>171</p> <p>172</p> <p>173</p> <p>174</p> <p>175</p> <p>176</p> <p>177</p> <p>178</p> <p>179</p> <p>180</p> <p>181</p> <p>182</p> <p>183</p> <p>184</p> <p>185</p> <p>186</p> <p>187</p> <p>188</p> <p>189</p> <p>190</p> <p>191</p> <p>192</p> <p>193</p> <p>194</p> <p>195</p> <p>196</p> <p>197</p> <p>198</p> <p>199</p> <p>200</p> <p>201</p> <p>202</p> <p>203</p> <p>204</p> <p>205</p> <p>206</p> <p>207</p> <p>208</p> <p>209</p> <p>210</p> <p>211</p> <p>212</p> <p>213</p> <p>214</p> <p>215</p> <p>216</p> <p>217</p> <p>218</p> <p>219</p> <p>220</p> <p>221</p> <p>222</p> <p>223</p> <p>224</p> <p>225</p> <p>226</p> <p>227</p> <p>228</p> <p>229</p> <p>230</p> <p>231</p> <p>232</p> <p>233</p> <p>234</p> <p>235</p> <p>236</p> <p>237</p> <p>238</p> <p>239</p> <p>240</p> <p>241</p> <p>242</p> <p>243</p> <p>244</p> <p>245</p> <p>246</p> <p>247</p> <p>248</p> <p>249</p> <p>250</p> <p>251</p> <p>252</p> <p>253</p> <p>254</p> <p>255</p> <p>256</p> <p>257</p> <p>258</p> <p>259</p> <p>260</p> <p>261</p> <p>262</p> <p>263</p> <p>264</p> <p>265</p> <p>266</p> <p>267</p> <p>268</p> <p>269</p> <p>270</p> <p>271</p> <p>272</p> <p>273</p> <p>274</p> <p>275</p> <p>276</p> <p>277</p> <p>278</p> <p>279</p> <p>280</p> <p>281</p> <p>282</p> <p>283</p> <p>284</p> <p>285</p> <p>286</p> <p>287</p> <p>288</p> <p>289</p> <p>290</p> <p>291</p> <p>292</p> <p>293</p> <p>294</p> <p>295</p> <p>296</p> <p>297</p> <p>298</p> <p>299</p> <p>300</p> <p>301</p> <p>302</p> <p>303</p> <p>304</p> <p>305</p> <p>306</p> <p>307</p> <p>308</p> <p>309</p> <p>310</p> <p>311</p> <p>312</p> <p>313</p> <p>314</p> <p>315</p> <p>316</p> <p>317</p> <p>318</p> <p>319</p> <p>320</p> <p>321</p> <p>322</p> <p>323</p> <p>324</p> <p>325</p> <p>326</p> <p>327</p> <p>328</p> <p>329</p> <p>330</p> <p>331</p> <p>332</p> <p>333</p> <p>334</p> <p>335</p> <p>336</p> <p>337</p> <p>338</p> <p>339</p> <p>340</p> <p>341</p> <p>342</p> <p>343</p> <p>344</p> <p>345</p> <p>346</p> <p>347</p> <p>348</p> <p>349</p> <p>350</p> <p>351</p> <p>352</p> <p>353</p> <p>354</p> <p>355</p> <p>356</p> <p>357</p> <p>358</p> <p>359</p> <p>360</p> <p>361</p> <p>362</p> <p>363</p> <p>364</p> <p>365</p> <p>366</p> <p>367</p> <p>368</p> <p>369</p> <p>370</p> <p>371</p> <p>372</p> <p>373</p> <p>374</p> <p>375</p> <p>376</p> <p>377</p> <p>378</p> <p>379</p> <p>380</p> <p>381</p> <p>382</p> <p>383</p> <p>384</p> <p>385</p> <p>386</p> <p>387</p> <p>388</p> <p>389</p> <p>390</p> <p>391</p> <p>392</p> <p>393</p> <p>394</p> <p>395</p> <p>396</p> <p>397</p> <p>398</p> <p>399</p> <p>400</p> <p>401</p> <p>402</p> <p>403</p> <p>404</p> <p>405</p> <p>406</p> <p>407</p> <p>408</p> <p>409</p> <p>410</p> <p>411</p> <p>412</p> <p>413</p> <p>414</p> <p>415</p> <p>416</p> <p>417</p> <p>418</p> <p>419</p> <p>420</p> <p>421</p> <p>422</p> <p>423</p> <p>424</p> <p>425</p> <p>426</p> <p>427</p> <p>428</p> <p>429</p> <p>430</p> <p>431</p> <p>432</p> <p>433</p> <p>434</p> <p>435</p> <p>436</p> <p>437</p> <p>438</p> <p>439</p> <p>440</p> <p>441</p> <p>442</p> <p>443</p> <p>444</p> <p>445</p> <p>446</p> <p>447</p> <p>448</p> <p>449</p> <p>450</p> <p>451</p> <p>452</p> <p>453</p> <p>454</p> <p>455</p> <p>456</p> <p>457</p> <p>458</p> <p>459</p> <p>460</p> <p>461</p> <p>462</p> <p>463</p> <p>464</p> <p>465</p> <p>466</p> <p>467</p> <p>468</p> <p>469</p> <p>470</p> <p>471</p> <p>472</p> <p>473</p> <p>474</p> <p>475</p> <p>476</p> <p>477</p> <p>478</p> <p>479</p> <p>480</p> <p>481</p> <p>482</p> <p>483</p> <p>484</p> <p>485</p> <p>486</p> <p>487</p> <p>488</p> <p>489</p> <p>490</p> <p>491</p> <p>492</p> <p>493</p> <p>494</p> <p>495</p> <p>496</p> <p>497</p> <p>498</p> <p>499</p> <p>500</p> <p>501</p> <p>502</p> <p>503</p> <p>504</p> <p>505</p> <p>506</p> <p>507</p> <p>508</p> <p>509</p> <p>510</p> <p>511</p> <p>512</p> <p>513</p> <p>514</p> <p>515</p> <p>516</p> <p>517</p> <p>518</p> <p>519</p> <p>520</p> <p>521</p> <p>522</p> <p>523</p> <p>524</p> <p>525</p> <p>526</p> |
|-----|------|------------|--------------------|---|--------------------|--|--|

Table with 10 columns: ID, Name, Set, Component, Date, Status, Date, Date, URL, Progress, and Description. The table contains 10 rows of project entries, each detailing a specific task or update, including dates, status, and descriptions of work performed.

| | | | | | | | | | | | | | | | | |
|-----|-------|---------------------|--------------------------|----|-----------------------------|--|----------------|-----------|-----------|-----------|---|---|----|------|---|---|
| 562 | CAPIA | Set WMP-43 | CAPIA_Set WMP-43 | 15 | CAPIA_Set WMP-43_015 | <p>Table ACH-PG&E-23-09-1 on page 75 of PG&E's 2025 WMP Update lists the number of HFD structures in each consequence level from E&E to Medium.</p> <p>a) Provide an updated version of this table with additional rows to show the structures with a consequence rank lower than HFD structures and then the HFD.</p> <p>b) Provide an updated version of this table (including the additional rows from part (a)) that lists structures in the HFD T2 and T3 only the HFD T2.</p> <p>(c) Explain the methodology PG&E used to integrate the data into its consequence rank.</p> <p>d) Provide any procedures, reports, analyses, or other documentation to support your response to part (c).</p> | Holly Wetman | 4/13/2024 | 4/17/2024 | 4/17/2024 | https://www.pge.com/permits/docs/updates/ach-pge-2025-wmp-update-015.pdf | 1 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E-23-09 - Decrease in Deselected Distribution Inspections |
| 563 | CAPIA | Set WMP-43 | CAPIA_Set WMP-43 | 16 | CAPIA_Set WMP-43_016 | <p>Table ACH-PG&E-23-09-1 on page 75 of PG&E's 2025 WMP Update lists the number of HFD structures in each consequence level from E&E to Medium.</p> <p>a) Provide an updated version of this table with additional rows to show the structures with a consequence rank lower than HFD structures and then the HFD.</p> <p>b) Provide an updated version of this table (including the additional rows from part (a)) that lists structures in the HFD T2 and T3 only the HFD T2.</p> <p>(c) Explain the methodology PG&E used to integrate the data into its consequence rank.</p> <p>d) Provide any procedures, reports, analyses, or other documentation to support your response to part (c).</p> | Holly Wetman | 4/13/2024 | 4/17/2024 | 4/17/2024 | https://www.pge.com/permits/docs/updates/ach-pge-2025-wmp-update-016.pdf | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E-23-09 - Decrease in Deselected Distribution Inspections |
| 564 | CAPIA | Set WMP-43 | CAPIA_Set WMP-43 | 17 | CAPIA_Set WMP-43_017 | <p>Page 76 of PG&E's 2025 WMP Update states:</p> <p>The annual cost of performing approximately 37,000 additional deselected aerial inspections of high consequence assets annually by ground would increase both the open-air risk and the cost of the inspection plan relative to increasing these assets every other year. PG&E calculates that approximately 37,000 additional inspections would need to be performed annually at a cost of roughly \$2.3 million. Similarly, inspecting medium consequence structures every other year would result in 15,000 more inspections at an additional annual cost of \$1 million.</p> <p>a) What would be the annual cost of performing approximately 37,000 additional deselected aerial inspections of high consequence assets?</p> <p>b) What would be the annual cost of performing approximately 15,000 additional deselected aerial inspections of medium consequence assets?</p> <p>c) What would be the estimated benefit, in dollars, of inspecting high consequence assets annually?</p> <p>d) What would be the estimated benefit, in dollars, of inspecting medium consequence assets annually?</p> | Holly Wetman | 4/13/2024 | 4/17/2024 | 4/17/2024 | https://www.pge.com/permits/docs/updates/ach-pge-2025-wmp-update-017.pdf | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E-23-09 - Decrease in Deselected Distribution Inspections |
| 565 | MGRA | Data Request No. 10 | MGRA_Data Request No. 10 | 1 | MGRA_Data Request No. 10_01 | <p>Please provide a spreadsheet listing (see rows) of every undergrounding project completed during the period of January 1, 2023, through December 31, 2023, including circuit/corridor projects. For each project, please provide the following information (in columns):</p> <p>a) Project ID/number or other identifier</p> <p>b) ID of each circuit segment that was added/undergrounded in the project</p> <p>(c) ID of each circuit segment that was partially undergrounded in the project</p> <p>(d) Total number of miles of underground conductor installed</p> <p>(e) Total number of miles of underground conductor removed</p> <p>(f) Total cost of the project (i.e., costs attributed to your electric facilities), including costs for planning, design, permitting, and construction</p> <p>(g) Total number of customers served by the project</p> <p>(h) Total number of miles of PSPS experienced by the project circuit segments since 2015.</p> | Joseph Michael | 4/13/2024 | 4/17/2024 | 4/17/2024 | https://www.pge.com/permits/docs/updates/ach-pge-2025-wmp-update-018.pdf | 1 | NA | 8 | Section 8.1.2 - Grid Design and System Planning | 8.1.2.2 Undergrounding of electric lines and/or equipment |
| 566 | MGRA | Data Request No. 10 | MGRA_Data Request No. 10 | 2 | MGRA_Data Request No. 10_02 | <p>Please provide a spreadsheet listing (see rows) of every planned undergrounding project to be fully or partially completed by the end of 2024. This includes work currently underway, completed in 2024, or to be performed in 2024.</p> <p>a) Project ID/number</p> <p>(b) Program</p> <p>(c) Circuit segment name and ID/number. If the project affects more than one circuit segment, please identify each one.</p> <p>(d) Revenue estimate (in dollars) for the utility (i.e., revenue that you are using to subsidize distribution risk in your 2025 WMP Update filing)</p> <p>(e) The expected completion date of the project</p> <p>(f) The expected completion date of underground conductor to be installed prior to the end of 2025</p> <p>(g) length (in circuit miles) of overhead conductor to be permanently removed prior to the end of 2025 and replaced by underground conductor (note that this may differ slightly from the previous section due to differing overhead and underground conductors)</p> <p>(h) length (in circuit miles) of overhead conductor to be permanently removed in 2025 and replaced with covered conductor or undergrounded</p> <p>(i) Total number of customers served by the project</p> <p>(j) Total number of miles of PSPS experienced by the project circuit segments since 2015.</p> | Joseph Michael | 4/13/2024 | 4/17/2024 | 4/17/2024 | https://www.pge.com/permits/docs/updates/ach-pge-2025-wmp-update-019.pdf | 1 | NA | 8 | Section 8.1.2 - Grid Design and System Planning | 8.1.2.2 Undergrounding of electric lines and/or equipment |
| 567 | MGRA | Data Request No. 10 | MGRA_Data Request No. 10 | 3 | MGRA_Data Request No. 10_03 | Are DCD algorithms based on prevailing weather conditions? If so, please describe how variability of DCD is adjusted according to weather. | Joseph Michael | 4/13/2024 | 4/17/2024 | 4/17/2024 | https://www.pge.com/permits/docs/updates/ach-pge-2025-wmp-update-020.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 DCD |
| 568 | MGRA | Data Request No. 10 | MGRA_Data Request No. 10 | 4 | MGRA_Data Request No. 10_04 | During before (BFR) meet and confer, the AEMG technology was mentioned that could allow much faster switching of fast to configurations. Please describe AEMG and for what mitigations it could be used, and how much it might help to reduce risk to the system. | Joseph Michael | 4/13/2024 | 4/17/2024 | 4/17/2024 | https://www.pge.com/permits/docs/updates/ach-pge-2025-wmp-update-021.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 DCD |
| 569 | MGRA | Data Request No. 10 | MGRA_Data Request No. 10 | 5 | MGRA_Data Request No. 10_05 | <p>Please provide the 2022 and 2023 EPSS reliability statistics referred to on p. 8 and p. 12 (TN-3038, 2024-0211-TN368, 2024-0242-PGE_2025_WMPUpdate_R3_AC1215_10201.pdf)</p> | Joseph Michael | 4/13/2024 | 4/17/2024 | 4/17/2024 | https://www.pge.com/permits/docs/updates/ach-pge-2025-wmp-update-022.pdf | 3 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E-23-14 Effectiveness Analysis for EPSS including Implementation of DCD |
| 570 | MGRA | Data Request No. 10 | MGRA_Data Request No. 10 | 6 | MGRA_Data Request No. 10_06 | As per discussions in the April 8th meet and confer, please provide distribution-impacted outage data for the 2023 calendar year in any format required to include the circuit/corridor in the Shared Outage Data Report. | Joseph Michael | 4/13/2024 | 4/17/2024 | 4/17/2024 | https://www.pge.com/permits/docs/updates/ach-pge-2025-wmp-update-023.pdf | 1 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E-23-14 Effectiveness Analysis for EPSS including Implementation of DCD |
| 571 | CAPIA | Set WMP-44 | CAPIA_Set WMP-44 | 1 | CAPIA_Set WMP-44_01 | <p>Page 52 of PG&E's 2025 WMP Update states:</p> <p>We assessed the effectiveness of each of the mitigation alternatives against more than 2,200 outage combinations that have occurred in PG&E's HFD during wildfire seasons. PG&E S&E's reviewed each of the outage combinations and assigned an effectiveness rating for each mitigation alternative. As few many S&E's were involved in reviewing outage combinations and assigning effectiveness ratings? PG&E S&E's used methods used to PG&E S&E's methods used to assign effectiveness ratings.</p> <p>(a) Do the 2,200 outage combinations represent a specific time period? Please explain your answer.</p> <p>(b) Do the 2,200 outage combinations include outage combinations that occurred in PG&E's HFD but not in the HFD T2? Please explain your answer.</p> | Holly Wetman | 4/15/2024 | 4/19/2024 | 4/19/2024 | https://www.pge.com/permits/docs/updates/ach-pge-2025-wmp-update-024.pdf | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E-23-05 - Updating O&M Planning Decision Matrix |

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|-----|-------------------------------------|------------|---|-------|---|--|-------------------|-----------|-----------|-----------|--|---|----|-------|---|---|
| 823 | CAFA | Set WMP-48 | CAFA_Sat WMP-48 | 5 | CAFA_Sat 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> <ol style="list-style-type: none"> Circuit name Voltage and Whether the circuit is part of the NERC bulk electric system. | Tyler Hochstetler | 5/16/2024 | 5/31/2024 | 5/31/2024 | https://www.pge.com/Files/Attachments/048-00004801%20for%20a%20list%20of%20PG&E%20transmission%20lines%20and%20corresponding%20PG&E%20Transmission%20Opening%20Diagrams%20for%20documentation%20showing%20PG&E%20Transmission%20Opening%20Diagrams%20for%20documentation%20showing%20PG&E%20Transmission%20Opening%20Diagrams | 2 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E-21-26 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 824 | CAFA | Set WMP-48 | CAFA_Sat WMP-48 | 6 | CAFA_Sat 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 Hochstetler | 5/16/2024 | 5/31/2024 | 5/31/2024 | https://www.pge.com/Files/Attachments/048-00004801%20for%20a%20list%20of%20PG&E%20transmission%20lines%20and%20corresponding%20PG&E%20Transmission%20Opening%20Diagrams%20for%20documentation%20showing%20PG&E%20Transmission%20Opening%20Diagrams | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E-21-26 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 825 | CAFA | Set WMP-48 | CAFA_Sat WMP-48 | 7 | CAFA_Sat 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 Hochstetler | 5/16/2024 | 5/31/2024 | 5/31/2024 | https://www.pge.com/Files/Attachments/048-00004801%20for%20a%20list%20of%20PG&E%20transmission%20lines%20and%20corresponding%20PG&E%20Transmission%20Opening%20Diagrams%20for%20documentation%20showing%20PG&E%20Transmission%20Opening%20Diagrams | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E-21-26 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 826 | CAFA | Set WMP-48 | CAFA_Sat WMP-48 | 8 | CAFA_Sat 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 Hochstetler | 5/16/2024 | 5/31/2024 | 5/31/2024 | https://www.pge.com/Files/Attachments/048-00004801%20for%20a%20list%20of%20PG&E%20transmission%20lines%20and%20corresponding%20PG&E%20Transmission%20Opening%20Diagrams%20for%20documentation%20showing%20PG&E%20Transmission%20Opening%20Diagrams | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E-21-26 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 827 | CAFA | Set WMP-48 | CAFA_Sat WMP-48 | 9 | CAFA_Sat 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 Hochstetler | 5/16/2024 | 5/31/2024 | 5/31/2024 | https://www.pge.com/Files/Attachments/048-00004801%20for%20a%20list%20of%20PG&E%20transmission%20lines%20and%20corresponding%20PG&E%20Transmission%20Opening%20Diagrams%20for%20documentation%20showing%20PG&E%20Transmission%20Opening%20Diagrams | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E-21-26 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 828 | CAFA | Set WMP-48 | CAFA_Sat WMP-48 | 10 | CAFA_Sat WMP-48_10 | <p>For each of the outages in the attached excel spreadsheet named "Random Fast-Track August 2023 Outages.xlsx", please provide:</p> <ol style="list-style-type: none"> The protective function that tripped the circuit (e.g., define time delay ground overcurrent); The current threshold of the protective function; The maximum load (in current) from 2019-2023; The maximum unfaulted ground current from 2019-2023; and If the distribution, whether the circuit was three-wire or four-wire. | Tyler Hochstetler | 5/16/2024 | 5/31/2024 | 5/31/2024 | https://www.pge.com/Files/Attachments/048-00004801%20for%20a%20list%20of%20PG&E%20transmission%20lines%20and%20corresponding%20PG&E%20Transmission%20Opening%20Diagrams%20for%20documentation%20showing%20PG&E%20Transmission%20Opening%20Diagrams | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E-21-26 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 829 | CALPA | Set WMP-48 | CALPA_Sat WMP-48 | 10(a) | CALPA_Sat WMP-48_Q10(a) | <p>For each of the outages in the attached excel spreadsheet named "Random Fast-Track August 2023 Outages.xlsx", please provide:</p> <ol style="list-style-type: none"> The protective function that tripped the circuit (e.g., define time delay ground overcurrent); The current threshold of the protective function; The maximum load (in current) from 2019-2023; The maximum unfaulted ground current from 2019-2023; and If the distribution, whether the circuit was three-wire or four-wire. | Tyler Hochstetler | 5/16/2024 | 6/5/2024 | 6/5/2024 | https://www.pge.com/Files/Attachments/048-00004801%20for%20a%20list%20of%20PG&E%20transmission%20lines%20and%20corresponding%20PG&E%20Transmission%20Opening%20Diagrams%20for%20documentation%20showing%20PG&E%20Transmission%20Opening%20Diagrams | 1 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E-21-26 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 829 | OEIS | 019 | OEIS_019 | 1 | OEIS_019_01 | <p>Regarding PG&E's response to ACI PG&E-21-26: PG&E states the following in its 2023 WMP (table 10.123): PG&E is currently finalizing an analysis to understand the tradeoffs between reliability and wildfire risk mitigation and EPSS circuit settings. 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 settings. 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 provided?</p> | Brad Hill | 5/16/2024 | 5/31/2024 | 5/31/2024 | https://www.pge.com/Files/Attachments/048-00004801%20for%20a%20list%20of%20PG&E%20transmission%20lines%20and%20corresponding%20PG&E%20Transmission%20Opening%20Diagrams%20for%20documentation%20showing%20PG&E%20Transmission%20Opening%20Diagrams | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E-21-26 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 830 | OEIS | 019 | OEIS_019 | 2 | OEIS_019_02 | <p>WMP-Under-0023-2025_025_DR_DEIE_016-00015001A001.xlsx, attached to Data Review OEIS_016_0001, only shows 14 circuit segments, whereas the original Tables 6-6 and 7-2 in the 2023-2025 WMP have 41 circuit segments listed.</p> <ol style="list-style-type: none"> Provide the number of circuit segments used to determine the top 5% for both the original tables (7) and the updated table (6). Provide the overall utility risk score used to determine the top 5% for both the original tables (7) and the updated table (6). | Brad Hill | 5/16/2024 | 5/31/2024 | 5/31/2024 | https://www.pge.com/Files/Attachments/048-00004801%20for%20a%20list%20of%20PG&E%20transmission%20lines%20and%20corresponding%20PG&E%20Transmission%20Opening%20Diagrams%20for%20documentation%20showing%20PG&E%20Transmission%20Opening%20Diagrams | 0 | NA | 6.1.2 | Section 6 - Risk Methodology and Assessment | 6.1.2 Summary of Risk Models |
| 831 | OEIS | 020 | OEIS_020 | 1 | OEIS_020_01 | <p>Regarding PG&E's 2023 Underpinning: Is a table 1.2.2 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> <ol style="list-style-type: none"> Please provide this table with the 2025 undergrounding to reflect PG&E's 2025 underpinning. If the 2025 underpinning has not been finalized, please update the table with the current 2025 underpinning as of receipt of this data request. 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 underpinning has not been finalized, please update the table with the current 2025 underpinning as of receipt of this data request. 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-02, WDRM-03, and WDRM-02 + WDRM-02. Please provide this table with the 2025 not updated to reflect PG&E's 2025 underpinning. If the 2025 underpinning has not been finalized, please update the table with the current 2025 underpinning as of receipt of this data request. Please provide this table for PG&E's 2025 covered conductor underpinning. If the 2025 underpinning has not been finalized, please update the table with the current 2025 underpinning as of receipt of this data request. | Brad Hill | 5/17/2024 | 5/24/2024 | 5/24/2024 | https://www.pge.com/Files/Attachments/048-00004801%20for%20a%20list%20of%20PG&E%20transmission%20lines%20and%20corresponding%20PG&E%20Transmission%20Opening%20Diagrams%20for%20documentation%20showing%20PG&E%20Transmission%20Opening%20Diagrams | 0 | NA | 9 | Section 8.1.2 - Grid Design and System Planning | 8.1.2 Undergrounding of electric lines and/or equipment |
| 832 | CPUC - SPD (Safety Policy Division) | 014 | CPUC - SPD (Safety Policy Division)_014_01 | 1 | CPUC - SPD (Safety Policy Division)_014_01 | <p>Provide the last 100 created Priority A tags and associated inspection report. Include all photos from tags of inspection report.</p> <ol style="list-style-type: none"> A minimum of 50 tags must be identified during inspections. A minimum of 50 tags must be from the HPFD. 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. | Henry Swear | 5/14/2024 | 5/31/2024 | 5/31/2024 | https://www.pge.com/Files/Attachments/048-00004801%20for%20a%20list%20of%20PG&E%20transmission%20lines%20and%20corresponding%20PG&E%20Transmission%20Opening%20Diagrams%20for%20documentation%20showing%20PG&E%20Transmission%20Opening%20Diagrams | 3 | NA | 8 | 8.0 Wildlife Mitigations | 8.1.3 Asset Inspections |
| 832 | CPUC - SPD (Safety Policy Division) | 014 | CPUC - SPD (Safety Policy Division)_014_01(a) | 1(a) | CPUC - SPD (Safety Policy Division)_014_01(a) | <p>Provide the last 100 created Priority A tags and associated inspection report. Include all photos from tags of inspection report.</p> <ol style="list-style-type: none"> A minimum of 50 tags must be identified during inspections. A minimum of 50 tags must be from the HPFD. 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. | Henry Swear | 5/14/2024 | 6/02/2024 | 6/17/2024 | https://www.pge.com/Files/Attachments/048-00004801%20for%20a%20list%20of%20PG&E%20transmission%20lines%20and%20corresponding%20PG&E%20Transmission%20Opening%20Diagrams%20for%20documentation%20showing%20PG&E%20Transmission%20Opening%20Diagrams | 3 | NA | 8 | 8.0 Wildlife Mitigations | 8.1.3 Asset Inspections |

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|-----|-------------------------------------|-----|---|------|---|---|---|-------------|-----------|-----------|-----------|---|---|----|---|--------------------------|-------------------------|
| 632 | CPUC - SPD (Safety Policy Division) | 014 | CPUC - SPD (Safety Policy Division)_014 | 13d3 | CPUC - SPD (Safety Policy Division)_014_013d3 | <p>Provide the last 100 created Priority A tags and associated inspection report. Include all photos from tags or 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 HFDT.</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 expects the maximum number of tags to be submitted to be 200.</p> | <p>Please see "WMP-Discovery2023-2025_DR_SPD_014-0001Supp002H00NF.pdf" for the requested images associated with tags and inspection reports provided with SPD_014-0001 Support. 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>10002482 12813801 E 10107796 12811006 101041222 12856979 10013731 12819554 E 10055473 12813525 10077299 12860119 E 10074135 12813748 10094052 12878292 E 10102683 12815583</p> | Henry Sweet | 5/14/2024 | 6/21/2024 | 6/21/2024 | https://www.pge.com/Forms/Tags/CPUC/CPUCSafety/CPUCSafetyOrganization.ssd | 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 | <p>Provide the last 100 created Priority X work orders and associated inspection report. Include all photos from work orders or 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 HFDT.</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 expects the maximum number of tags to be submitted to be 200.</p> | <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_014-0002A001CONF.pdf" for 45 Priority X tags and 44 associated inspection reports. Please note, tags 12878454 and 12878009 were created during the same inspection and are associated with inspection report "OH_10031564_CONF.pdf" located within the referenced zip folder.</p> <p>B. Please see "WMP-Discovery2023-2025_DR_SPD_014-0003A001CONF.pdf" for 45 Priority X tags that were located in HFDT.</p> <p>C. Please see "WMP-Discovery2023-2025_DR_SPD_014-0005A001CONF.pdf" for seven additional Priority X tags to verify this subset (c) of this request.</p> | Henry Sweet | 5/14/2024 | 5/31/2024 | 5/31/2024 | https://www.pge.com/Forms/Tags/CPUC/CPUCSafety/CPUCSafetyOrganization.ssd | 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 | <p>Provide the last 100 created Priority B work orders and associated inspection report. Include all photos from work orders or 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 HFDT.</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 expects the maximum number of tags to be submitted to be 200.</p> | <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_014-0004B001CONF.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_014-0006B001CONF.pdf" for 24 Priority B tags that were located in HFDT.</p> <p>C. As these tags were created during inspections, this attachment also contains their associated inspection reports. Please see "WMP-Discovery2023-2025_DR_SPD_014-0008B001CONF.pdf" for 28 additional Priority B tags in safety subject (c) of this request. As these tags were created during inspections, this attachment also contains their associated inspection reports.</p> | Henry Sweet | 5/14/2024 | 6/3/2024 | 6/3/2024 | https://www.pge.com/Forms/Tags/CPUC/CPUCSafety/CPUCSafetyOrganization.ssd | 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 | <p>Provide all job bulletins related to "X" tags.</p> | <p>PG&E does not have a job bulletin related to "X" tags, however, please see "WMP-Discovery2023-2025_DR_SPD_014-0007" for more information.</p> | Henry Sweet | 5/14/2024 | 5/28/2024 | 5/28/2024 | https://www.pge.com/Forms/Tags/CPUC/CPUCSafety/CPUCSafetyOrganization.ssd | 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 | <p>Provide number of A, B, X, E, F for Aerial, Ground and Pole Test and Truss finds during inspections in 2023, and 2024 broken down by HFDT and non HFDT. Include number of inspections and find rate for each tag type. 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 2025 Wildlife Mitigation Plan Supplemental Response to Revision Notice, except provide the actual tag finds, rather than "Forecast" Tag Finds. Indicate if inspectors or planes were used for any of the aerial respoc: one.</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 Rate Actual Inspections by Tag Actual Tag Find First Rate</p> <p>Aerial</p> <p>HFDT</p> <p>HFRA</p> <p>0.8%</p> <p>108</p> <p>1</p> <p>0.32%</p> <p>1,581</p> <p>1</p> <p>0.10%</p> <p>0.20%</p> <p>0.20%</p> <p>18</p> <p>11</p> <p>11%</p> <p>22</p> <p>29%</p> <p>17</p> <p>12</p> <p>31.36%</p> <p>22</p> <p>15.31%</p> <p>542</p> | Henry Sweet | 5/14/2024 | 5/28/2024 | 5/28/2024 | https://www.pge.com/Forms/Tags/CPUC/CPUCSafety/CPUCSafetyOrganization.ssd | 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 | 5d3 | CPUC - SPD (Safety Policy Division)_014_05d3 | <p>Provide number of A, B, X, E, F for Aerial, Ground and Pole Test and Truss finds during inspections in 2023, and 2024 broken down by HFDT and non HFDT. Include number of inspections and find rate for each tag type. 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 2025 Wildlife Mitigation Plan Supplemental Response to Revision Notice, except provide the actual tag finds, rather than "Forecast" Tag Finds. Indicate if inspectors or planes were used for any of the aerial respoc: one.</p> | <p>Modifier use #R10020-01</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 this 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 Rate Actual Inspections by Tag Actual Tag Find First Rate</p> <p>Aerial</p> <p>HFDT</p> <p>HFRA</p> <p>0.8%</p> <p>108</p> <p>1</p> <p>0.32%</p> <p>1,581</p> <p>1</p> <p>0.10%</p> <p>0.20%</p> <p>0.20%</p> <p>18</p> <p>11</p> <p>11%</p> <p>22</p> <p>29%</p> <p>17</p> <p>12</p> <p>31.36%</p> <p>22</p> <p>15.31%</p> <p>542</p> | Henry Sweet | 5/14/2024 | 5/31/2024 | 6/5/2024 | https://www.pge.com/Forms/Tags/CPUC/CPUCSafety/CPUCSafetyOrganization.ssd | 0 | NA | 8 | 8.0 Wildlife Mitigations | 8.1.3 Asset Inspections |
| 638 | CPUC - SPD (Safety Policy Division) | 014 | CPUC - SPD (Safety Policy Division)_014 | 5j3d | CPUC - SPD (Safety Policy Division)_014_05j3d | <p>Provide number of A, B, X, E, F for Aerial, Ground and Pole Test and Truss finds during inspections in 2023, and 2024 broken down by HFDT and non HFDT. Include number of inspections and find rate for each tag type. 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 2025 Wildlife Mitigation Plan Supplemental Response to Revision Notice, except provide the actual tag finds, rather than "Forecast" Tag Finds. Indicate if inspectors or planes were used for any of the aerial respoc: one.</p> | <p>PG&E responded to "WMP-Discovery2023-2025_DR_SPD_014-0001.pdf" (0001), "WMP-Discovery2023-2025_DR_SPD_014-0002.pdf" (0002) and "WMP-Discovery2023-2025_DR_SPD_014-0003.pdf" (0003), all of the request 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_014-0004B001.pdf" (0004), by providing a count of all tags created from inspections only in 2024. As more than 100 tags were created in 2024, the response requested in 0004 should include more tags. PG&E also included the most HFDT-inspected tags in the data pull for Question 005, which was not originally included in Table RN PG&E 23 04 7.</p> <p>Additionally, PG&E utilized a highly different methodology when applying filters to pull the tag count data for Question 005 compared to what was used for 0001-0003 in PG&E's most recent answer. The data for those questions was pulled by different teams. PG&E has since aligned on the data pull methodology and is providing updated counts for 0005 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 Rate Actual Inspections by Tag Actual Tag Find First Rate</p> | Henry Sweet | 5/14/2024 | 6/21/2024 | 6/20/2024 | https://www.pge.com/Forms/Tags/CPUC/CPUCSafety/CPUCSafetyOrganization.ssd | 0 | NA | 8 | 8.0 Wildlife Mitigations | 8.1.3 Asset Inspections |

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|-----|-------------------------------------|-----|---|-------|---|--|-------------|-----------|-----------|-----------|--|---|----|------|
| 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 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 mitigation which will employ location-specific mitigation effectiveness calculations when WBCA is adopted, with the WMP Update Activity name and Safety Impact 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. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>E. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>F. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>G. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>H. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>I. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>J. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>K. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>L. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>M. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>N. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>O. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>P. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>Q. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>R. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>S. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>T. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>U. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>V. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>W. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>X. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>Y. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> <p>Z. Provide the data used to create "At-Risk" PG&E-23-05-2.</p> | Henry Sweet | 5/30/2024 | 6/30/2024 | 6/30/2024 | https://www.pge.com/Portals/0/CPUC/CPUC%20-%202023%20-%20WMP%20-%20Update%20-%20Final%20-%2005-2024.pdf https://www.pge.com/Portals/0/CPUC/CPUC%20-%202023%20-%20WMP%20-%20Update%20-%20Final%20-%2005-2024.pdf | 2 | NA | 11.4 |
| 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 – 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 NRCRA, Data Requested S_02.</p> <p>Describe the terminology – are these synonyms? Explain why if not.</p> <p>Explain how the pattern has impacted modeling of WDRM.</p> <p>Provide the percentage of WDRM at risk associated with these data.</p> <p>Provide the percentage of WDRM at risk associated with these data.</p> <p>Discuss how the risk from the effects is in use of these data compared to WDRM v4 and v3.</p> <p>Explain how the criteria compare to classification of weather in both FPI v4.0 and v3.0, is similar to R4 or R5 for another "Why not?"</p> <p>Explain how the criteria compare to whether that would result in PG&E's use of PSPF event.</p> <p>Provide a list of all CPUC-responsive systems for each year from 2014 through 2024, 2024 that occurred during that flag conditions. Provide the data in the format as the CPUC requires. Template attached.</p> <p>Provide the number of critical days in an annual base that meet the "Red Flag" conditions criteria starting in 1980 (or the first year PG&E 35-year meteorology data used) through April 30, 2024.</p> <p>Provide the predicted number of critical days per year expected to meet the "Red Flag" conditions criteria based on PG&E's modeling.</p> <p>For PG&E's response to NRCRA, Data Requested S_02, PG&E states that the additional explanation provided of dry and modeled over the predictive deductive condition. Explain.</p> <p>Discuss if this is related to the predictive deductive condition already being predicted on an RFI breakout.</p> | Henry Sweet | 5/30/2024 | 6/12/2024 | 6/12/2024 | https://www.pge.com/Portals/0/CPUC/CPUC%20-%202023%20-%20WMP%20-%20Update%20-%20Final%20-%2005-2024.pdf https://www.pge.com/Portals/0/CPUC/CPUC%20-%202023%20-%20WMP%20-%20Update%20-%20Final%20-%2005-2024.pdf | 1 | NA | 6 |
| 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 GAOC for system inspections.</p> <p>Provide the procedures for GA and QC for all System Inspections for transmission and distribution assets.</p> <p>Provide the procedures for installed equipment (series and ground) distribution and transmission assets.</p> <p>Describe what is in a Critical Path Plan, and how that differs from other types of findings – for Distribution GA the other findings appear to be classified as "High," "Medium," and "Low," as seen in "WMP-December2023-2025_DR_Calendarization_039-0001A001.xlsx." Provide examples.</p> <p>Explain what GA and QC would have different criteria for evaluation and discuss how the materials in the past year. For instance, when would an inspection date GA but not QC and vice versa.</p> <p>Explain why GA and QC would not result in a new EC tag. Provide examples. See column J of "WMP-December2023-2025_DR_Calendarization_039-0001A001.xlsx" for reference.</p> <p>Define "CSPF" or "CSPF" of "WMP-December2023-2025_DR_Calendarization_039-0001A001.xlsx" and explain why some findings identified during GAOC inspections classified as "High" and considered "Critical" and others are not?</p> <p>Referencing "WMP-December2023-2025_DR_Calendarization_039-0001A001.xlsx," justify why the finding in Row 4 is not considered a Critical Attribute, whereas the finding in Row 143 is considered a Critical Attribute. Discuss why the finding in Row 4 is not a Critical Attribute considering (1) the two rows have the same identified description, finding, reason, broken, damaged, or loose; (2) the risk rank and PT; and (3) the same issue Column I, through N, but (4) the finding in Row 4 is a Priority 4 whereas the finding in Row 143 is a Priority 5, respectively since (5) neither the Row 4 or Row 143 were more critical and thus a more critical.</p> | Henry Sweet | 5/30/2024 | 6/4/2024 | 6/4/2024 | https://www.pge.com/Portals/0/CPUC/CPUC%20-%202023%20-%20WMP%20-%20Update%20-%20Final%20-%2005-2024.pdf https://www.pge.com/Portals/0/CPUC/CPUC%20-%202023%20-%20WMP%20-%20Update%20-%20Final%20-%2005-2024.pdf | 5 | NA | 8 |
| 653 | CPUC - SPD (Safety Policy Division) | 016 | CPUC - SPD (Safety Policy Division)_016 | 10 | CPUC - SPD (Safety Policy Division)_016_10 | <p>For each year from 2020 through 2023, and January 1, 2024, through April 30, 2024, and for each work order (work year):</p> <p>Provide a list and examples of all cases categories used when cancelling work orders.</p> <p>Provide the number of cancelled work orders for each priority work order under each case category.</p> <p>Provide the number of cancelled work orders for each priority work order under each case category that was cancelled after the due date.</p> <p>Provide the number of cancelled work orders for each priority work order under each case category that was cancelled before the due date.</p> <p>Provide the number of cancelled work orders for each priority that were replaced by another work order under each case category and the priority to be re-assigned.</p> <p>Provide the number of cancelled work orders for each priority which were cancelled because the work order was no longer considered necessary for reasons. PG&E has referenced the criteria for options submitted to customers (see page change).</p> <p>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> | Henry Sweet | 5/30/2024 | 6/12/2024 | 6/12/2024 | https://www.pge.com/Portals/0/CPUC/CPUC%20-%202023%20-%20WMP%20-%20Update%20-%20Final%20-%2005-2024.pdf https://www.pge.com/Portals/0/CPUC/CPUC%20-%202023%20-%20WMP%20-%20Update%20-%20Final%20-%2005-2024.pdf | 1 | NA | 8 |
| 653 | CPUC - SPD (Safety Policy Division) | 016 | CPUC - SPD (Safety Policy Division)_016_10(6) | 10(6) | CPUC - SPD (Safety Policy Division)_016_10(6) | <p>Provide the data table below. Court of notification Column Labels New 2.8.8 if it Overlaid Tag</p> <p>A replacement to my initial response of June 10, 2024, please see the response below which provides the requested information for Priority 4 and 2 overhead distribution tags. This information was not included in the initial response as we needed additional time to gather and quality control the data.</p> <p>Provide the data table below.</p> <p>WMP-December2023-2025_DR_SPD_016-0010(6) Page 2 Cancellation Code Example None</p> <p>The EC notification is being converted to another notification type. The replacement notification will be referenced in the notification's long text when cancelling for this reason. For example, if EC notification is converted to an IF notification, the photo is required.</p> <p>None</p> <p>The EC notification is a "dummy" notification created to generate an order ONLY. No work is required in the field. No photo is required.</p> <p>None</p> <p>A duplicate EC notification for the same location. The duplicate notification will be referenced in the notification's long text when cancelling for this reason. No photo is required.</p> <p>None</p> <p>The notification was created in error (not cancelled). For example, an EC notification was not intended to be created or multiple EC notifications generated due to communication errors. No photo is required.</p> <p>None</p> <p>No competing or regulatory condition exists. A minimum of two photos are required for this cancellation reason. PG&E will return the field's photos as not provided.</p> <p>None</p> <p>The work orders to be cancelled under another program (CCOE, Reliability, WDRM, etc.). No photo is required.</p> <p>None</p> <p>Please see the table below for the requested information for Priority 4 tags. Court of Notification- No Column Labels CONV: DUPN: ECRN: NCRN: NCRN: CPUC: Closed Tag</p> <p>2020 14 14 17 14 17 14</p> | Henry Sweet | 5/30/2024 | 6/12/2024 | 6/12/2024 | https://www.pge.com/Portals/0/CPUC/CPUC%20-%202023%20-%20WMP%20-%20Update%20-%20Final%20-%2005-2024.pdf https://www.pge.com/Portals/0/CPUC/CPUC%20-%202023%20-%20WMP%20-%20Update%20-%20Final%20-%2005-2024.pdf | 0 | NA | 8 |

| | | | | | | | | | | | | | | | | |
|-----|-------------------------------------|------------|---|-----|---|---|-------------------|-----------|-----------|----------|---|---|----|---------|--|---|
| 660 | CPUC - SPD (Safety Policy Division) | 016 | CPUC - SPD (Safety Policy Division)_016 | 17 | CPUC - SPD (Safety Policy Division)_016_017 | CONFIDENTIAL - This question refers to the table labeled "AD Population, B First Rate" on slide 29 of the presentation to the Wildlife Risk Governance Committee presented on October 12th, 2023, used to SPD's "Wildlife Discovery/2023_016_SPD_016-017 (AD/NON/CONF)". Provide an explanation of the table. Specifically discuss the difference between a CRT aligned B tag versus those based on an actual inspection/ground inspection. a. Provide an explanation of the table. b. Define a "CRT aligned B tag" and discuss the difference between a CRT aligned B tag versus those based on an actual inspection/ground inspection. c. Provide the actual number of tags identified by Ground and Aerial inspections in the table. d. Provide the unique number of tags identified by Aerial (i.e. those tags not identified by Aerial and not identified by Ground inspections) in the table. e. For "Concern Designated/Other", does the table imply that of the 53 B-flags found in the sample, that Aerial inspections identified 25-75% of the B-flags and that Ground inspections identified 25-75% of the B-flags? Does this mean a minimum of 13, and a maximum of 25 of the 53 tags were identified by Ground and not identified by Aerial? f. What are the specific risks for the table? | Henry Swast | 5/30/2024 | 6/1/2024 | 6/1/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E 43-29 Discuss in Detailed Distribution Inspections |
| 661 | CPUC - SPD (Safety Policy Division) | 017 | CPUC - SPD (Safety Policy Division)_017 | 1 | CPUC - SPD (Safety Policy Division)_017_021 | SPD understands PG&E has updated its EPSS embedded criteria since publishing FIGURE PG&E 1.8.2 in the update to FIGURE PG&E 1.8.2 on page 133 of PG&E 2023 WMP Update. Please provide an updated version of FIGURE PG&E 1.8.2 and describe the changes. | Henry Swast | 6/19/2024 | 6/1/2024 | 6/1/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 662 | CPUC - SPD (Safety Policy Division) | 017 | CPUC - SPD (Safety Policy Division)_017 | 2 | CPUC - SPD (Safety Policy Division)_017_022 | What did this change table affect? | Henry Swast | 6/19/2024 | 6/1/2024 | 6/1/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 663 | CPUC - SPD (Safety Policy Division) | 017 | CPUC - SPD (Safety Policy Division)_017 | 3 | CPUC - SPD (Safety Policy Division)_017_023 | Please provide a table which shows the number of Circuit Mile Days where EPSS is enabled for 2022 and 2023 for the circuit in FIGURE PG&E 1.8.2 as compared to the new criteria. Additionally, provide the expected number of Circuit Mile Days where EPSS will be enabled for both criteria for a typical year. | Henry Swast | 6/19/2024 | 6/1/2024 | 6/1/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 664 | CPUC - SPD (Safety Policy Division) | 017 | CPUC - SPD (Safety Policy Division)_017 | 4 | CPUC - SPD (Safety Policy Division)_017_024 | Discuss the reason for the changes. | Henry Swast | 6/19/2024 | 6/1/2024 | 6/1/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 665 | CPUC - SPD (Safety Policy Division) | 017 | CPUC - SPD (Safety Policy Division)_017 | 5 | CPUC - SPD (Safety Policy Division)_017_025 | Compute the additional risk reduced (or increased) due to the changes in criteria. The computation should account for lower probability of finding FTI levels. Compute the additional risk reduced due to increased (or reduced) due to the distributional changes due to the change in criteria. | Henry Swast | 6/19/2024 | 6/1/2024 | 6/1/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 666 | CPUC - SPD (Safety Policy Division) | 017 | CPUC - SPD (Safety Policy Division)_017 | 6 | CPUC - SPD (Safety Policy Division)_017_026 | Provide the analysis referenced in ACI PG&E 23-28 which compares the risk associated with EPSS embedded thresholds, SPD understand the analysis shows a demonstration of risks only between reliability and wildfire risk. For other "VM Inspection types, are inspectors able to document potential defects or issues found with these and present for work on that PG&E may monitor the condition of those trees?" | Henry Swast | 6/19/2024 | 6/1/2024 | 6/1/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 667 | OEIS | 022 | OEIS_022 | 1 | OEIS_022_01 | Regarding Monitoring Potential Hazards Trees For Focus Tree Inspections, does One VM have the capability to document potential defects or issues found with these and present for work on that PG&E may monitor the condition of those trees?" | Brad H | 6/1/2024 | 6/1/2024 | 6/1/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E 23-19 Continued Progression of Vegetation Management Maturity |
| 668 | CaPA | Set WMP-49 | CaPA_Set WMP-49 | 1 | CaPA_Set WMP-49_01 | How did PG&E come up with the 25 random numbers when it decided on the 25 of 50 fast-stop outages to be performed in 2023? | Tyler Hochstetler | 6/1/2024 | 6/27/2024 | 6/1/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 669 | OEIS | 023 | OEIS_023 | 1 | OEIS_023_01 | Regarding PG&E's distribution based inspection initiatives and pilot: a. Provide the number of inspections performed and find of level 1 and 2 conditions from January 1, 2020, to December 31, 2023, for the following inspection initiative or pilot programs. If the inspection initiative or pilot program began after January 1, 2020, please specify the start date of the initiative in the response. i. LUDAR based pole loading assessments ii. Aerial inspections iii. Corrosion assessment iv. Conductor measurement v. Insulation pole inspections vi. Pole top inspections b. For each inspection initiative or pilot below, please provide the estimated percentage of conditions that PG&E levels that were identified through related ground, ground, or remote pole inspections. Describe how PG&E calculated the estimated percentage. i. Ground inspections ii. LUDAR based pole loading assessments iii. Aerial inspections | Nathan Poon | 6/20/2024 | 7/1/2024 | 7/1/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 0 | NA | 8 | Section 8.1.3 - Asset Inspection | Section 8.1.3 - Asset Inspection |
| 670 | OEIS | 023 | OEIS_023 | 2 | OEIS_023_02 | Regarding PG&E's transmission based inspection programs and pilot: a. Provide the find of level 1 and 2 conditions and number of inspections performed from January 1, 2020, to December 31, 2023, for the following inspection initiative or pilot programs. If the inspection initiative or pilot program began after January 1, 2020, please specify the start date of the initiative in the response. i. Aerial inspections ii. Corrosion assessment iii. Conductor measurement iv. Insulation pole inspections v. Pole top inspections vi. Conductor climbing assessment vii. Discharge sampling and testing viii. LUDAR assessments ix. Climbing related inspections x. Insulation pole inspections xi. Aerial inspections | Nathan Poon | 6/20/2024 | 7/1/2024 | 7/1/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 0 | NA | 8 | Section 8.1.3 - Asset Inspection | Section 8.1.3 - Asset Inspection |
| 671 | CaPA | Set WMP-50 | CaPA_Set WMP-50 | 1 | CaPA_Set WMP-50_01 | The Filings Energy Partners' PG&E Independent Safety Monitor Status Update Report, October 6, 2023 (ISM Report) stated that there were 1,400 action items in the Multiple Change Review and Evaluation (MCRE) for 2022. However, in 2023 WMP data request CaPA/Procedures PG&E 2023WMP-34, Question 1, there are apparently 900 action items listed. Please explain the discrepancy. | Amenda Asadi | 6/24/2024 | 7/9/2024 | 7/9/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 0 | NA | 8.1.8.1 | Grid Operations and Procedures | Protective Equipment and Device Settings |
| 672 | CaPA | Set WMP-50 | CaPA_Set WMP-50 | 2 | CaPA_Set WMP-50_02 | In response to Data request CaPA/Procedures PG&E 2023WMP-34, Question 1, PG&E states, "No additional action required" for 36 circuits in 2022. Please explain why no additional action was required. | Amenda Asadi | 6/24/2024 | 7/9/2024 | 7/9/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 0 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 673 | CaPA | Set WMP-50 | CaPA_Set WMP-50 | 3 | CaPA_Set WMP-50_03 | Data request CaPA/Procedures PG&E 2023WMP-34, Question 3, Attachments 1 and 2 show claims and complaints received from 5/19/2022 to 1/21/2023. Please provide an Excel sheet of claims and complaints filed to customers related to outages on circuits with EPSS settings enabled at the time of outage that were received in 2021, 2022, 7/1/2022 to 5/18/2023, 12/13/2023 to 1/21/2023. For each claim and complaint, provide the following information in separate columns: a) The Circuit name and ID associated with the complaint. b) Resolution of each complaint or claim. c) Description of each complaint or claim. d) Resolution of each complaint or claim. e) Due date of each resolution. f) Actual completion date of each resolution. | Amenda Asadi | 6/24/2024 | 7/9/2024 | 7/1/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 2 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 674 | CaPA | Set WMP-50 | CaPA_Set WMP-50 | 301 | CaPA_Set WMP-50_03h | Data request CaPA/Procedures PG&E 2023WMP-34, Question 3, Attachments 1 and 2 show claims and complaints received from 5/19/2022 to 1/21/2023. Please provide an Excel sheet of claims and complaints filed to customers related to outages on circuits with EPSS settings enabled at the time of outage that were received in 2021, 2022, 7/1/2022 to 5/18/2023, 12/13/2023 to 1/21/2023. For each claim and complaint, provide the following information in separate columns: a) The Circuit name and ID associated with the complaint. b) Resolution of each complaint or claim. c) Description of each complaint or claim. d) Resolution of each complaint or claim. e) Due date of each resolution. f) Actual completion date of each resolution. | Amenda Asadi | 6/24/2024 | 7/9/2024 | 7/9/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 1 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 675 | CaPA | Set WMP-50 | CaPA_Set WMP-50 | 4 | CaPA_Set WMP-50_04 | Provide an Excel spreadsheet of all distribution circuits in FT/D or High Fire Risk Areas (HFRAs), or sections of FT/D and HFRAs, including, starting as of January 1, 2020, that include the circuit name. a) The Circuit Name b) Date PG&E last updated EPSS settings on any of the circuit | Amenda Asadi | 6/24/2024 | 7/9/2024 | 7/9/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 1 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS |
| 676 | CaPA | Set WMP-50 | CaPA_Set WMP-50 | 5 | CaPA_Set WMP-50_05 | Data request CaPA/Procedures PG&E 2023WMP-34, Questions 9 and 10, PG&E states that Garberville 110 kV and Clear 110 kV had been identified as "beneficial" as a proactive strategy to both minimize wildfire risk while also providing reliability improvement benefits under EPSS embedded thresholds. Please provide an excel sheet of circuits that PG&E identified that might need proactive measures to address EPSS embedded thresholds. a) Please provide the criteria PG&E used to determine which circuits might need proactive measures for reliability improvement under EPSS embedded thresholds. b) Please provide the criteria PG&E used to determine which circuits might need proactive measures for reliability improvement under EPSS embedded thresholds. | Amenda Asadi | 6/24/2024 | 7/1/2024 | 7/1/2024 | https://www.gse.com/Files/Inspection/Confidential/2023/016_SPD_016-017%20-%20AD/NON/CONF.pdf | 1 | NA | 11.4 | Appendix D - Areas for Continued Improvement | 11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS |

| | | | | | | | | | | | | | | | | | |
|-----|-------------------------------------|------------|--|----|--|---|---|---------------------|-----------|-----------|-----------|--|---|----|------|--|---|
| 676 | CAFA | Set WMP-50 | CAFA_Set WMP-50 | 6 | CAFA_Set WMP-50_06 | <p>Provide an Excel table that lists (see rows) each sustained outage that occurred from January 1, 2021 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CA/Arco/veas-PGE-2023WMP-04. For each outage, the Excel table should include the following information in separate columns:</p> <p>(A) Outage ID (B) Circuit Name (C) Cause (D) Was EPSS enabled on this circuit at the time of the outage? (E) P.M. Final No. Light (F) Outage End Day & Time (G) CSED Count of Customers Experiencing Sustained Outages (H) Customer Minutes (I) Case</p> <p>(A) Registration Time (Minutes)</p> | <p>Please see "WMP-Discovery2023-2025_DR_CalArco/veas_055-0006A8b01.xlsx" for the requested information. Please note, column H indicates if the outage was sustained or non-sustained.</p> | Amenda Asadi | 6/24/2024 | 7/9/2024 | 7/9/2024 | https://www.gcp.com/portal/veas/055-0006A8b01.xlsx https://www.gcp.com/portal/veas/055-0006A8b01.xlsx | 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 |
| 677 | CAFA | Set WMP-50 | CAFA_Set WMP-50 | 7 | CAFA_Set WMP-50_07 | <p>Provide an Excel table that lists (see rows) each momentary outage that occurred from January 1, 2021 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CA/Arco/veas-PGE-2023WMP-04. For each outage, the Excel table should include the following information in separate columns:</p> <p>(A) Outage ID (B) Circuit Name (C) Cause (D) Was EPSS enabled on this circuit at the time of the outage? (E) P.M. Final No. Light (F) Outage End Day & Time (G) CSED Count of Customers Experiencing Sustained Outages (H) Customer Minutes (I) Case</p> <p>(A) Registration Time (Minutes)</p> | <p>Please see "WMP-Discovery2023-2025_DR_CalArco/veas_055-0006A8b01.xlsx" for the requested information. Please note, column H indicates if the outage was sustained or non-sustained.</p> | Amenda Asadi | 6/24/2024 | 7/9/2024 | 7/9/2024 | https://www.gcp.com/portal/veas/055-0006A8b01.xlsx https://www.gcp.com/portal/veas/055-0006A8b01.xlsx | 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 |
| 678 | CAFA | Set WMP-50 | CAFA_Set WMP-50 | 8 | CAFA_Set WMP-50_08 | <p>Provide an Excel table that lists (see rows) each sustained outage that occurred from January 1, 2021 through December 31, 2023 on the following circuits: SCE REFUGIO 1101, SCE VEGAS 1101, SCE TEJON TR 1101, SCE TEJON TR 1101, SCE TENGACHAP 1101, SCE MCFARLANE 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, VASONA 1102, NAPA 1110, PUEBLO 2104, BIG TREES 1002, LOS OSITOS 2101, LAS POSTAS 2103, LAS ARIZONAS 0401, ORINDA 0401, SPENCE 1101. For each outage, the Excel table should include the following information in separate columns:</p> <p>(A) Outage ID (B) Circuit Name (C) Cause (D) Was EPSS enabled on this circuit at the time of the outage? (E) P.M. Final No. Light (F) Outage End Day & Time (G) CSED Count of Customers Experiencing Sustained Outages (H) Customer Minutes (I) Case</p> <p>(A) Registration Time (Minutes)</p> | <p>Please see "WMP-Discovery2023-2025_DR_CalArco/veas_055-0006A8b01.xlsx" for the requested information. Column H indicates if the outage was sustained or non-sustained.</p> | Amenda Asadi | 6/24/2024 | 7/9/2024 | 7/9/2024 | https://www.gcp.com/portal/veas/055-0006A8b01.xlsx https://www.gcp.com/portal/veas/055-0006A8b01.xlsx | 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 |
| 679 | CAFA | Set WMP-50 | CAFA_Set WMP-50 | 9 | CAFA_Set WMP-50_09 | <p>Provide an Excel spreadsheet of the following distribution circuits (see rows): SCE REFUGIO 1101, SCE VEGAS 1101, SCE TEJON TR 1101, SCE TEJON TR 1101, SCE TENGACHAP 1101, SCE MCFARLANE 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, VASONA 1102, NAPA 1110, PUEBLO 2104, BIG TREES 1002, LOS OSITOS 2101, LAS POSTAS 2103, LAS ARIZONAS 0401, ORINDA 0401, SPENCE 1101. For each outage, the Excel table should include the following information in separate columns:</p> <p>(A) Outage ID (B) Circuit Name (C) Cause (D) Was EPSS enabled on this circuit at the time of the outage? (E) P.M. Final No. Light (F) Outage End Day & Time (G) CSED Count of Customers Experiencing Sustained Outages (H) Customer Minutes (I) Case</p> <p>(A) Registration Time (Minutes)</p> | <p>Please see "WMP-Discovery2023-2025_DR_CalArco/veas_055-0006A8b01.xlsx" for the requested information. Please note, column H indicates if the outage was sustained or non-sustained.</p> | Amenda Asadi | 6/24/2024 | 7/9/2024 | 7/9/2024 | https://www.gcp.com/portal/veas/055-0006A8b01.xlsx https://www.gcp.com/portal/veas/055-0006A8b01.xlsx | 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 |
| 680 | CAFA | Set WMP-50 | CAFA_Set WMP-50 | 10 | CAFA_Set WMP-50_10 | <p>Provide an Excel spreadsheet of the following distribution circuits (see rows): SCE REFUGIO 1101, SCE VEGAS 1101, SCE TEJON TR 1101, SCE TEJON TR 1101, SCE TENGACHAP 1101, SCE MCFARLANE 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, VASONA 1102, NAPA 1110, PUEBLO 2104, BIG TREES 1002, LOS OSITOS 2101, LAS POSTAS 2103, LAS ARIZONAS 0401, ORINDA 0401, SPENCE 1101. For each outage, the Excel table should include the following information in separate columns:</p> <p>(A) Outage ID (B) Circuit Name (C) Cause (D) Was EPSS enabled on this circuit at the time of the outage? (E) P.M. Final No. Light (F) Outage End Day & Time (G) CSED Count of Customers Experiencing Sustained Outages (H) Customer Minutes (I) Case</p> <p>(A) Registration Time (Minutes)</p> | <p>Please see "WMP-Discovery2023-2025_DR_CalArco/veas_055-0006A8b01.xlsx" for the requested information. In addition to the circuits included in the attachment, please see the table below for Circuit IDs for the Circuits which did not have outages and were not provided in the attachment.</p> <p>Circuit Name Circuit ID SCE Napa 1101 0888701 SCE Napa 1101 2841911 SCE Refugio 1101 28811101 Pueblo 2104 04322104</p> | Amenda Asadi | 6/24/2024 | 7/9/2024 | 7/9/2024 | https://www.gcp.com/portal/veas/055-0006A8b01.xlsx https://www.gcp.com/portal/veas/055-0006A8b01.xlsx | 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 |
| 681 | CAFA | Set WMP-51 | CAFA_Set WMP-51 | 1 | CAFA_Set WMP-51_01 | <p>Provide an Excel spreadsheet of the following distribution circuits (see rows): SCE REFUGIO 1101, SCE VEGAS 1101, SCE TEJON TR 1101, SCE TEJON TR 1101, SCE TENGACHAP 1101, SCE MCFARLANE 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, VASONA 1102, NAPA 1110, PUEBLO 2104, BIG TREES 1002, LOS OSITOS 2101, LAS POSTAS 2103, LAS ARIZONAS 0401, ORINDA 0401, SPENCE 1101. For each outage, the Excel table should include the following information in separate columns:</p> <p>(A) Outage ID (B) Circuit Name (C) Cause (D) Was EPSS enabled on this circuit at the time of the outage? (E) P.M. Final No. Light (F) Outage End Day & Time (G) CSED Count of Customers Experiencing Sustained Outages (H) Customer Minutes (I) Case</p> <p>(A) Registration Time (Minutes)</p> | <p>As described in our WMP Section 8.1.2.2, PG&E's underground workshop analyzes overhead Project schedules can change because of project dependencies, such as permitting and easement delays. Further, the workshop evolved to account for the 2023 QDR. Below describes the changes qualitatively made between when the worksheets were submitted between April 5 and July 5.</p> <p>(A) The July 5 table incorporates miles from Greenlake Community Rebuild projects. These projects were inadvertently missing from all versions of the summary table since the July 5 table.</p> <p>(B) The change was driven by seven project shifting schedules from 2024 to 2025 and one from 2024 to 2026.</p> <p>(C) As with other updates, the July 5 table incorporates miles from Greenlake Community Rebuild projects. These projects were inadvertently missing from all versions of the summary table prior to the July 5 version.</p> <p>(D) The change was driven by two projects shifting schedules from 2024 to 2025.</p> <p>(E) The change was driven by a net impact of increased miles in 2024 and reduced miles in 2025-2026.</p> <p>(F) The primary driver in the reduction of miles for 2025-2026 is the need to align the workshop to the 2023-2025 GPC mileage targets. These changes include removing existing projects and adding new projects to the GPC mile reduction targets.</p> <p>(G) The change was driven by three Rebuild project schedule changes between 2024 and 2025, and one project moved from 2024 to 2025, and another from 2025 to 2024.</p> <p>(H) The change was driven by the same two projects described in subpart (E), plus one project being removed from the workshop.</p> <p>(I) One four-year period from the April 5 table has been removed from the July 5 table, and 10 mile-long projects were added. Of the 10 miles added, 11 miles are in calculations have been provided in a system of record for the associated projects.</p> <p>(J) This change was driven by the same project described in subpart (I), as well as a single project that was missing from the table data at the time of the July 5 report creation. This will be updated in our system of record and will be included in future versions of the table.</p> | Holly Walzman | 7/9/2024 | 7/12/2024 | 7/12/2024 | https://www.gcp.com/portal/veas/055-0006A8b01.xlsx https://www.gcp.com/portal/veas/055-0006A8b01.xlsx | 0 | NA | 8 | Section 8.1.2 - Grid Design and System Hardening | 8.1.2.1.1.2 Other grid topology requirements to mitigate or reduce PSPS events - Distribution |
| 682 | CPUC - SPD (Safety Policy Division) | 018 | CPUC - SPD (Safety Policy Division)_018_01 | 1 | CPUC - SPD (Safety Policy Division)_018_01 | <p>Submit the 2024 QDR Confidential and Non-Confidential versions (including both spatial and non-spatial) via Kleanix to SPD's Website and Safety Performance Section.</p> | <p>Please find the requested 2024 QDR Spatial and Non-Spatial files attached to this response.</p> <p>QDR Cover letter Q2 2024 Submission.pdf PG&E_2024_Q2_Tables 1-11_R0.xlsx PG&E_2024_Q2_SpatialDataAndReports.xlsx PG&E_2024_Q2_CONF_1p PG&E_2024_Q2_Risk Event Physics - Ignition_CONF_1p PG&E_2024_Q2_Initiative Phets Log - Asset Inspections_CONF_1_1p PG&E_2024_Q2_Initiative Phets Log - Asset Inspections_CONF_2_1p PG&E_2024_Q2_Initiative Phets Log - Asset Inspections_CONF_3_1p PG&E_2024_Q2_Initiative Phets Log - Asset Inspections_CONF_4_1p</p> <p>Please see attachment "WMP-Discovery2023-2025_DR_CalArco/veas_052-00116017.xlsx" for the requested information.</p> <p>The following table provides information on the status of the QDR provided to the original utility PG&E's internal project level. Column 1 represents the project name. Column 2 represents the status of the project. Column 3 represents the current priority using PG&E's project priority system.</p> <p>Considerations that pose an ignition risk (responsive to subpart (d)) within HFTD or PG&E High Risk Asset (HRA) are evaluated using a combination of subject-batteries and individual review during gatekeeping by the Confidential Inspection Team.</p> <p>Geographic latitude in decimal degrees, truncated to seven decimal places</p> <p>Geographic longitude in decimal degrees, truncated to seven decimal places</p> <p>Priority of the original notification, using PG&E's internal priority level codes</p> <p>Object-battery code or other internal identification code</p> <p>Is Power Ignition Risk (Y/N)</p> <p>Is General Order (GE Exception General (Y/N)</p> <p>Is Circuit Segment Identification Number</p> <p>Is Area Date as of July 31, 2024 (Y/N)</p> | Henry Sweet | 8/22/2024 | 8/6/2024 | 8/22/2024 | https://www.gcp.com/portal/veas/055-0006A8b01.xlsx https://www.gcp.com/portal/veas/055-0006A8b01.xlsx | 9 | NA | QDR | NA | NA |
| 683 | CAFA | Set WMP-52 | CAFA_Set WMP-52 | 1 | CAFA_Set WMP-52_01 | <p>Provide an Excel table that lists (see rows) each non-spatial outage that occurred from January 1, 2021 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CA/Arco/veas-PGE-2023WMP-04. For each outage, the Excel table should include the following information in separate columns:</p> <p>(A) Outage ID (B) Circuit Name (C) Cause (D) Was EPSS enabled on this circuit at the time of the outage? (E) P.M. Final No. Light (F) Outage End Day & Time (G) CSED Count of Customers Experiencing Sustained Outages (H) Customer Minutes (I) Case</p> <p>(A) Registration Time (Minutes)</p> | <p>Please see attachment "WMP-Discovery2023-2025_DR_CalArco/veas_052-00116017.xlsx" for the requested information.</p> <p>The following table provides information on the status of the QDR provided to the original utility PG&E's internal project level. Column 1 represents the project name. Column 2 represents the status of the project. Column 3 represents the current priority using PG&E's project priority system.</p> <p>Considerations that pose an ignition risk (responsive to subpart (d)) within HFTD or PG&E High Risk Asset (HRA) are evaluated using a combination of subject-batteries and individual review during gatekeeping by the Confidential Inspection Team.</p> <p>Geographic latitude in decimal degrees, truncated to seven decimal places</p> <p>Geographic longitude in decimal degrees, truncated to seven decimal places</p> <p>Priority of the original notification, using PG&E's internal priority level codes</p> <p>Object-battery code or other internal identification code</p> <p>Is Power Ignition Risk (Y/N)</p> <p>Is General Order (GE Exception General (Y/N)</p> <p>Is Circuit Segment Identification Number</p> <p>Is Area Date as of July 31, 2024 (Y/N)</p> | Benjamin Katzenberg | 8/19/2024 | 9/6/2024 | 9/6/2024 | https://www.gcp.com/portal/veas/055-0006A8b01.xlsx https://www.gcp.com/portal/veas/055-0006A8b01.xlsx | 1 | NA | QDR | NA | NA |

| Pre-Discovery ID | Category | Sub-Category | Item ID | Item Name | Priority | Start Date | End Date | Responsible Party | Status | Notes | | | | | |
|------------------|-------------------------------------|--------------|---|-----------|---|------------|----------|-------------------|----------|----------------|---|----|----------------------------|----------------------------------|---|
| Pre-Discovery 38 | CaPA | Sat WMP-06 | CaPA_Sat_WMP-06 | 13 | CaPA_Sat_WMP-06_013 | 0 | 21/02/23 | 30/09/23 | 30/09/23 | Holly Walker | 0 | NA | 2022 WMP Section 7.3.4 | Asset Management and Inspections | NA |
| Pre-Discovery 39 | CaPA | Sat WMP-06 | CaPA_Sat_WMP-06 | 14 | CaPA_Sat_WMP-06_014 | 0 | 21/02/23 | 30/09/23 | 30/09/23 | Holly Walker | 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 | 0 | 21/02/23 | 30/09/23 | 30/09/23 | Holly Walker | 0 | NA | 2022 WMP 7.2.1 and 7.2.4.1 | Asset Management and Inspections | NA |
| Pre-Discovery 41 | CaPA | Sat WMP-06 | CaPA_Sat_WMP-06 | 16 | CaPA_Sat_WMP-06_016 | 0 | 21/02/23 | 30/09/23 | 30/09/23 | Holly Walker | 0 | NA | PSPS | NA | NA |
| Pre-Discovery 42 | CaPA | Sat WMP-06 | CaPA_Sat_WMP-06 | 17 | CaPA_Sat_WMP-06_017 | 2 | 21/02/23 | 30/09/23 | 30/09/23 | Holly Walker | 2 | NA | PSPSEPPS | NA | NA |
| Pre-Discovery 43 | CPUC - SPD (Safety Policy Division) | 001 | CPUC - SPD (Safety Policy Division)_001 | 1 | CPUC - SPD (Safety Policy Division)_001_001 | 0 | 22/03/23 | 30/09/23 | 30/09/23 | Wendy Alkhalid | 0 | NA | 8.1.8.1.3 | Grid Operations and Procedures | Settings of Other Emerging Technologies (e.g. Rapid Earth Fault Current Limiters) |
| Pre-Discovery 44 | CPUC - SPD (Safety Policy Division) | 001 | CPUC - SPD (Safety Policy Division)_001 | 2 | CPUC - SPD (Safety Policy Division)_001_002 | 0 | 22/03/23 | 30/09/23 | 30/09/23 | Wendy Alkhalid | 0 | NA | 8.1.8.1.1 | Grid Operations and Procedures | Protective Equipment and Device Settings |

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|------------------|------|------------|-----------------|------|-----------------------|---|---|--------------|-----------|-----------|-----------|---|---|----|------------|---|--|
| Pre-Discovery 71 | CaPA | Set WMP-39 | CaPA_Sat WMP-39 | 10 | CaPA_Sat WMP-39_Q10 | For each of your 2023-2025 WMP system hardening initiatives, please provide disaggregated information related to proposed and actual miles included in the attached table. Callouts include POE 2023 WMP-Q3 Attachment 2. Add columns as needed. | <p>Critical Miles: Please see Table 1 below for POE's system hardening critical miles for the year 2023-2025. Provided are both the target miles and the actual or proposed miles for each year. Please note that while the current System Hardening Workplan (WMP Initiative Q10) 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, POE's intent is to manage the system hardening portfolio to meet or nearly exceed the target miles. Therefore, the proposed miles included below for 2023 and 2024 are equivalent to the target.</p> <p>Additionally, the 2023 actual miles have been segmented by NAY codes:</p> <ul style="list-style-type: none">0003200: System Hardening projects funded by the CRC, WEMA.1-Non-0003200: System Hardening projects in a PFD that are funded by other programs outside of the CRC/WEMA Mileage Balance Account (WMA).E.g., such as those funded by others (HHS, DR, facilities, State 2).Expansions: Please see Table 2 below for costs related to 2023-2025 system hardening. <p>Table 1: 2023-2025 Target, Actual, and Projected System Hardening Critical Miles (WMP Initiative Q10)</p> <p>File to be submitted: Relocation of Undergrounding Overhead Hardening Conductor Consolidation/Other Target Actual Proposed Target Actual Proposed Target Actual Proposed Target Actual 2023 actual miles (actual) 0003200 2024-7-10-71-28024-8130132-810</p> | Holy Wellman | 3/22/2024 | 4/5/2024 | 4/5/2024 | https://www.pge.com/Publishing/Files/Confidential/2023/2023-2025-System-Hardening-Workplan-Initiative-Q10-Attachment-2.pdf | 0 | NA | 8.1.2.5 | System Hardening | NA |
| Pre-Discovery 72 | CaPA | Set WMP-39 | CaPA_Sat WMP-39 | 11 | CaPA_Sat WMP-39_Q11 | On page 405 of POE's 2023-2025 WMP R4, January 8, 2024, POE provided Table PG&E 4.1.2-3, shown below. Please provide an updated version of this table (generally in Excel format) with actuals from 2023 and updated estimates for 2024, 2025, and 2026. | Please see attachment "WMP-Chowney2023-2025_DR_CaPAAssociate_039-2011A46N7.xlsx" for an updated version of the requested table as of February 22, 2024. As identified in response to Callouts/COEs, 2023-2025 POE continued years 2023 and 2026 because the construction timelines associated with these projects are still active. | Holy Wellman | 3/22/2024 | 4/5/2024 | 4/5/2024 | https://www.pge.com/Publishing/Files/Confidential/2023/2023-2025-System-Hardening-Workplan-Initiative-Q10-Attachment-2.pdf | 1 | NA | 8.1.2.5 | System Hardening | NA |
| Pre-Discovery 73 | CaPA | Set WMP-39 | CaPA_Sat WMP-39 | 12 | CaPA_Sat WMP-39_Q12 | On October 3, 2023, the WMA Safety Advisory Board held a meeting. Four documents related to POE's proposed distribution system plan are listed in the meeting materials here: https://www.pge.com/gov/entities-and-meetings/wma-safety-advisory-board-meeting-10-03-2023/. Please provide confidential (i.e., redacted) copies of these four documents: | <p>a) Equipment Installation Letter</p> <p>b) Project Plan Scope</p> <p>c) Product Information</p> <p>d) Plant Construction Sketch</p> | Holy Wellman | 3/22/2024 | 4/5/2024 | 4/5/2024 | https://www.pge.com/Publishing/Files/Confidential/2023/2023-2025-System-Hardening-Workplan-Initiative-Q10-Attachment-2.pdf | 4 | NA | 8.1.2.5 | System Hardening | NA |
| Pre-Discovery 74 | CaPA | Set WMP-39 | CaPA_Sat WMP-39 | 13 | CaPA_Sat WMP-39_Q13 | 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: | Please see attachment "WMP-Chowney2023-2025_DR_CaPAAssociate_039-2011A46N7.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. | Holy Wellman | 3/22/2024 | 4/5/2024 | 4/5/2024 | https://www.pge.com/Publishing/Files/Confidential/2023/2023-2025-System-Hardening-Workplan-Initiative-Q10-Attachment-2.pdf | 1 | NA | 8 | Section 8.3 - Situational Awareness and Forecasting | 8.3.1.4 Existing Ignition Detection Sensors and Systems |
| Pre-Discovery 75 | CaPA | Set WMP-39 | CaPA_Sat WMP-39 | 14 | CaPA_Sat WMP-39_Q14 | a) Has POE'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? b) If the answer to part (a) is yes, please provide the following information for each such ignition: | Please note the attachment to the response contains CONFIDENTIAL information pursuant to the accompanying confidentiality declaration. | Holy Wellman | 3/22/2024 | 4/5/2024 | 4/5/2024 | https://www.pge.com/Publishing/Files/Confidential/2023/2023-2025-System-Hardening-Workplan-Initiative-Q10-Attachment-2.pdf | 4 | NA | 8 | Section 8.3 - Situational Awareness and Forecasting | 8.3.1.4 Existing Ignition Detection Sensors and Systems |
| Pre-Discovery 75 | CaPA | Set WMP-39 | CaPA_Sat WMP-39 | 14a) | CaPA_Sat WMP-39_Q14a) | a) Has POE'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? b) If the answer to part (a) is yes, please provide the following information for each such ignition: | Please note the attachment to the response contains CONFIDENTIAL information pursuant to the accompanying confidentiality declaration. | Holy Wellman | 5/15/2024 | 5/16/2024 | 5/16/2024 | https://www.pge.com/Publishing/Files/Confidential/2023/2023-2025-System-Hardening-Workplan-Initiative-Q10-Attachment-2.pdf | 4 | NA | NA | Section 8.3 - Situational Awareness and Forecasting | 8.3.1.4 Existing Ignition Detection Sensors and Systems |
| Pre-Discovery 76 | CaPA | Set WMP-39 | CaPA_Sat WMP-39 | 15 | CaPA_Sat WMP-39_Q15 | On page 348 of POE's 2023-2025 WMP R4, January 8, 2024, POE stated that it was waiting for field safety assessment procedures (D-2-123P-200) and requested to publish the revised procedure by the end of 2023. Has POE published the revised D-2-123P-200 procedure? | Please note the attachment to the response contains CONFIDENTIAL information pursuant to the accompanying confidentiality declaration. | Holy Wellman | 3/22/2024 | 4/5/2024 | 4/5/2024 | https://www.pge.com/Publishing/Files/Confidential/2023/2023-2025-System-Hardening-Workplan-Initiative-Q10-Attachment-2.pdf | 1 | NA | 8 | Section 8.1.7 - Open Work Orders | 8.1.7.2 Open Work Orders - Distribution Taps |
| Pre-Discovery 77 | CaPA | Set WMP-39 | CaPA_Sat WMP-39 | 16 | CaPA_Sat WMP-39_Q16 | In response to data request Callouts/COEs POE-2023WMP-19 (last revised 18, April 20, 2023), POE stated that it was actively analyzing the effectiveness of both covered conductor and bare conductor in combination with EPSS and OCCPI. POE stated that it was about completing this analysis in 2023. Has POE completed the analysis mentioned above? | <p>a) No. POE has not yet completed the Substation Annual Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI).</p> <p>b) Not applicable.</p> | Holy Wellman | 3/22/2024 | 4/5/2024 | 4/5/2024 | https://www.pge.com/Publishing/Files/Confidential/2023/2023-2025-System-Hardening-Workplan-Initiative-Q10-Attachment-2.pdf | 0 | NA | 8.1.2 | Grid Design and System Hardening | Various |
| Pre-Discovery 78 | CaPA | Set WMP-39 | CaPA_Sat WMP-39 | 17 | CaPA_Sat WMP-39_Q17 | In response to data request Callouts/COEs POE-2023WMP-27 (question 5), August 18, 2023, POE stated that it expected to complete its Substation Annual Assessment Effectiveness Study in partnership with Electric Power Research Institute by Q1 of 2024. | <p>a) No. POE has not yet completed the Substation Annual Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI).</p> <p>b) Not applicable.</p> | Holy Wellman | 3/22/2024 | 4/5/2024 | 4/5/2024 | https://www.pge.com/Publishing/Files/Confidential/2023/2023-2025-System-Hardening-Workplan-Initiative-Q10-Attachment-2.pdf | 0 | NA | 8.1.2.1.2 | Grid Design and System Hardening | Other Technologies and Systems - Substation Annual Assessment |
| Pre-Discovery 79 | CaPA | Set WMP-39 | CaPA_Sat WMP-39 | 18 | CaPA_Sat WMP-39_Q18 | In response to data request Callouts/COEs POE-2023WMP-27 (question 6), August 18, 2023, POE stated that it was finalizing a study to assess the recorded reliability improvements at locations that have been undergrounded and/or have been replaced with covered conductor. POE stated that it anticipated completing this analysis in October of 2023. | <p>a) No. POE has not yet completed the Substation Annual Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI).</p> <p>b) Not applicable.</p> | Holy Wellman | 3/22/2024 | 4/5/2024 | 4/5/2024 | https://www.pge.com/Publishing/Files/Confidential/2023/2023-2025-System-Hardening-Workplan-Initiative-Q10-Attachment-2.pdf | 0 | NA | Appendix D | Appendix D - Areas for Continued Improvement | Appendix D ACI PO&E 23-18 Progress and Updates on Undergrounding and Risk Mitigation |

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|------------------|------|------------|-----------------|-------|------------------------|--|--|--------------|-----------|-----------|-----------|---|---|----|---------|---------------------------------------|-------------------|
| 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.</p> <p>b) PG&E will provide the completed document once it is finalized and published.</p> <p>c) Not applicable.</p> <p>d) The 2023 Electric Asset Management Plan has been reviewed and approved by PG&E leadership. However, the documents will go through the technical writer, formatting and processing, along with the other functional areas' asset management plans.</p> <p>e) 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/Pages/Support/CAAdvocates_PGE-2023WMP-39.aspx | 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)1A68d1CONF.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/Pages/Support/CAAdvocates_PGE-2023WMP-39.aspx | 1 | NA | NA | N-Q270 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 no, 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 outage events during peak wildfire season between May 1 and November 1 at sites.</p> <p>b) High Fire Risk Areas (HFRA), High Fire Threat Districts (HFTD) areas with the least conditions during peak wildfire season between May 1 and November 1 at sites.</p> <p>c) Not applicable, please see the response to subpart (a).</p> <p>d) Not applicable, please see the response to subpart (a).</p> <p>e) The HFRANFTD Wire-Down Charge 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>f) PG&E expects to complete this analysis by May 2024.</p> | Holy Wellman | 3/22/2024 | 4/5/2024 | 4/5/2024 | https://www.pge.com/Pages/Support/CAAdvocates_PGE-2023WMP-39.aspx | 0 | NA | 8.2.3.4 | Vegetation Management and Inspections | Fall-to Migration |