| For External Delivery | | | | | | | | | | | | | | | |
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| Count | Party Name | Data Set | Data Request | Question No. | Question ID | Question Text | Requestor | Date Rec'd | Final Due Date | Date Sent | Number of Atchs | NDA Required | WMP Section | Category | Subcategory |
| Pre-Discovery 01 | CalPA | Set WMP-1 | CalAdvocates-PGE-2023WMP-01 | 1 | CalAdvocates-PGE-2023WMP-01_Q001 | Please provide a copy of each WMP-related document, submission, or report you submit to the Office of Energy Infrastructure Safety (Energy Safety) in 2023 that is related to your WMP. Provide the copy to Cal Advocates within one business day of the document's submittal to Energy Safety. (If you have submitted the document to Energy Safety in 2023 prior to this data request, please provide a copy as soon as possible and no later than 10 business days from the issuance of this data request.) | Holly Wehrman | 2/7/2023 | 2/14/2023 | 2/14/2023 | 0 | N/A | N/A | N/A | N/A |
| Pre-Discovery 02 | CalPA | Set WMP-1 | CalAdvocates-PGE-2023WMP-01 | 2 | CalAdvocates-PGE-2023WMP-01_Q002 | Please provide a copy of your WMP pre-submission within two business days of its submission to Energy Safety. | Holly Wehrman | 2/7/2023 | 2/15/2023 | 2/15/2023 | 1 | N/A | N/A | N/A | N/A |
| Pre-Discovery 03 | CalPA | Set WMP-1 | CalAdvocates-PGE-2023WMP-01 | 3 | CalAdvocates-PGE-2023WMP-01_Q003 | Provide a copy of all documents or files that are referenced in your WMP Quarterly Data Reports and submitted to Energy Safety (including but not limited to all PDFs, spatial data files, non-spatial data files, and confidential attachments) on the same business day that the document is sent to Energy Safety | Holly Wehrman | 2/7/2023 | 2/14/2023 | 2/14/2023 | 0 | N/A | N/A | N/A | N/A |
| Pre-Discovery 04 | CalPA | Set WMP-1 | CalAdvocates-PGE-2023WMP-01 | 4 | CalAdvocates-PGE-2023WMP-01_Q004 | Provide a copy to Cal Advocates of all your confidential responses to WMP discovery requests, on the same business day that you send the documents to the issuer of the discovery request. This includes:<br>a) Confidential responses to WMP discovery requests issued by Energy Safety.<br>b) Confidential responses to WMP discovery requests issued by other entities. | Holly Wehrman | 2/7/2023 | 2/14/2023 | 2/14/2023 | 0 | N/A | N/A | N/A | N/A |
| Pre-Discovery 05 | CalPA | Set WMP-2 | CalAdvocates-PGE-2023WMP-02 | 1 | CalAdvocates-PGE-2023WMP-02_Q001 | Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by internal entities that were completed since January 1, 2022 and that examined any programs, initiatives, or strategies described in your 2022 WMP Update | Holly Wehrman | 2/7/2023 | 3/7/2023 | 3/7/2023 | | N/A | Miscellaneous? QA/QC? | Miscellaneous? QA/QC? | N/A |
| Pre-Discovery 06 | CalPA | Set WMP-2 | CalAdvocates-PGE-2023WMP-02 | 2 | CalAdvocates-PGE-2023WMP-02_Q002 | Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by external entities that were completed since January 1, 2022 and that examined any programs, initiatives, or strategies described in your 2022 WMP Update. External entities include, but are not limited to, consultants, contractors, auditors, court-appointed monitors, and Independent Evaluators. | Holly Wehrman | 2/7/2023 | 3/7/2023 | 3/7/2023 | | N/A | Miscellaneous? QA/QC? | Miscellaneous? QA/QC? | N/A |
| Pre-Discovery 07 | CalPA | Set WMP-2 | CalAdvocates-PGE-2023WMP-02 | 3 | CalAdvocates-PGE-2023WMP-02_Q003 | Provide an Excel table of all defects in the year 2022 found by Energy Safety's Compliance Branch (as rows) that includes the following information in separate columns.<br>a) Associated circuit name<br>b) Defect type<br>c) Description of defect | Holly Wehrman | 2/7/2023 | 2/22/2023 | 2/22/2023 | 1 | N/A | 8.1.3 | Asset Inspections | N/A |
| Pre-Discovery 08 | CalPA | Set WMP-3 | CalAdvocates-PGE-2023WMP-03 | 1 | CalAdvocates-PGE-2023WMP-03_Q001 | Provide an Excel table of all distribution circuits existing as of January 1, 2023 (as rows) that includes the following information in separate columns.<br>a. Circuit name<br>b. Circuit ID number<br>c. Total circuit miles<br>d. Circuit miles in Non-HFTD Areas<br>e. Circuit miles in Other HFTD<br>f. Circuit miles in HFTD Tier 2<br>g. Circuit miles in HFTD Tier 3<br>h. Circuit voltage<br>i. Circuit SAIDI (System Average Interruption Duration Index) for 2021<br>j. Circuit SAIDI (System Average Interruption Duration Index) for 2022<br>k. Circuit SAIFI (System Average Interruption Frequency Index) for 2021<br>l. Circuit SAIFI (System Average Interruption Frequency Index) for 2022<br>m. Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2021<br>n. Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022<br>o. Total customer-minutes of de-energization on the circuit due to PSPS events in 2021 (sum of customer-minutes across all PSPS events).<br>p. Total customer-minutes of de-energization on the circuit due to PSPS events in 2022 (sum of customer-minutes across all PSPS events).<br>q. Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2021.<br>r. Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2022.<br>s. Number of trees that were worked on for EVM in Non-HFTD in 2021<br>t. Number of trees that were worked on for EVM in Non-HFTD in 2022<br>u. Number of trees that were worked on for EVM in Other HFTD in 2021<br>v. Number of trees that were worked on for EVM in Other HFTD in 2022<br>w. Number of trees that were worked on for EVM in HFTD Tier 2 in 2021<br>x. Number of trees that were worked on for EVM in HFTD Tier 2 in 2022<br>y. Number of trees that were worked on for EVM in HFTD Tier 3 in 2021<br>z. Number of trees that were worked on for EVM in HFTD Tier 3 in 2022<br>aa. Miles of covered conductor installed in Non-HFTD in 2021 | Holly Wehrman | 2/7/2023 | 3/10/2023 | 3/10/2023 | | N/A | 8.1.3 | Asset Inspections | Distribution |
| Pre-Discovery 09 | CalPA | Set WMP-3 | CalAdvocates-PGE-2023WMP-03 | 2 | CalAdvocates-PGE-2023WMP-03_Q002 | Provide an Excel table of all transmission circuits existing as of January 1, 2023 (as rows) that includes the following information in separate columns.<br>a. Circuit name<br>b. Circuit ID number<br>c. Total circuit miles<br>d. Circuit miles in Non-HFTD Areas<br>e. Circuit miles in Other HFTD<br>f. Circuit miles in HFTD Tier 2<br>g. Circuit miles in HFTD Tier 3<br>h. Circuit voltage<br>i. Total customer-minutes of de-energization on the circuit due to PSPS events in 2021 (sum of customer-minutes across all PSPS events).<br>j. Total customer-minutes of de-energization on the circuit due to PSPS events in 2022 (sum of customer-minutes across all PSPS events).<br>k. Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2021.<br>l. Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2022.<br>m. Number of support structures replaced in Non-HFTD in 2021<br>n. Number of support structures replaced in Non-HFTD in 2022<br>o. Number of support structures replaced in Other HFTD in 2021<br>p. Number of support structures replaced in Other HFTD in 2022<br>q. Number of support structures replaced in HFTD Tier 2 in 2021 | Holly Wehrman | 2/7/2023 | 3/10/2023 | 3/10/2023 | | N/A | 8.1.3 | Asset Inspections | Transmission |
| Pre-Discovery 10 | CalPA | Set WMP-3 | CalAdvocates-PGE-2023WMP-03 | 3 | CalAdvocates-PGE-2023WMP-03_Q003 | Provide an Excel table of all distribution circuits existing as of January 1, 2022 (as rows) that were removed or decommissioned in 2022, either partially or entirely. This includes permanent removal, removal of overhead lines that were moved underground, or overhead lines that were decommissioned but not physically removed. Include the following information in separate columns: | Holly Wehrman | 2/7/2023 | 3/10/2023 | 3/10/2023 | | N/A | 8.1.2 | System Hardening | Work Performed in 2022 |

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| Pre-Discovery 11 | CalPA | Set WMP-3 | CalAdvocates-PGE-2023WMP-03 | 4 | CalAdvocates-PGE-2023WMP-03_Q004 | Provide an Excel table of all transmission circuits existing as of January 1, 2022 (as rows) that were removed or decommissioned in 2022, either partially or entirely. This includes permanent removal, removal of overhead lines that were moved underground, or overhead lines that were decommissioned but not physically removed. Includes the following information in separate columns: | Holly Wehrman | 2/7/2023 | 3/10/2023 | 3/10/2023 | | N/A | Grid Design and System Hardening | System Hardening | Work Performed in 2022 |
| Pre-Discovery 12 | CalPA | Set WMP-3 | CalAdvocates-PGE-2023WMP-03 | 5 | CalAdvocates-PGE-2023WMP-03_Q005 | For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for each circuit or circuit-segment influenced where you performed work in 2022.<br>a. EVM<br>b. Covered conductor installation<br>c. Undergrounding<br>d. Distribution pole replacement<br>e. Grid sectionalization<br>f. Detailed inspections of distribution assets<br>g. Detailed inspections of transmission assets<br>h. Aerial inspections of distribution assets<br>i. Aerial inspections of transmission assets<br>j. LiDAR inspections of distribution assets<br>k. LiDAR inspections of transmission assets | Holly Wehrman | 2/7/2023 | 3/10/2023 | 3/10/2023 | | N/A | 2022 WMP Section 7.1 | Wildfire Mitigation Strategy | N/A |
| Pre-Discovery 13 | CalPA | Set WMP-3 | CalAdvocates-PGE-2023WMP-03 | 6 | CalAdvocates-PGE-2023WMP-03_Q006 | For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for each circuit or circuit-segment influenced how work in 2022 was sequenced.<br>a. EVM<br>b. Covered conductor installation<br>c. Undergrounding | Holly Wehrman | 2/7/2023 | 3/10/2023 | 3/10/2023 | | N/A | 2022 WMP Section 7.1 | Wildfire Mitigation Strategy | N/A |
| Pre-Discovery 14 | CalPA | Set WMP-3 | CalAdvocates-PGE-2023WMP-03 | 7 | CalAdvocates-PGE-2023WMP-03_Q007 | For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for each circuit or circuit-segment influence where you plan to perform work in 2023.<br>a. EVM<br>b. Covered conductor installation<br>c. Undergrounding | Holly Wehrman | 2/7/2023 | 3/10/2023 | 3/10/2023 | | N/A | 7.2 | Wildfire Mitigation Strategy | N/A |
| Pre-Discovery 15 | CalPA | Set WMP-3 | CalAdvocates-PGE-2023WMP-03 | 8 | CalAdvocates-PGE-2023WMP-03_Q008 | For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for each circuit or circuit-segment influence how work in 2023 will be sequenced.<br>a. EVM<br>b. Covered conductor installation<br>c. Undergrounding | Holly Wehrman | 2/7/2023 | 3/10/2023 | 3/10/2023 | | N/A | 7.2 | Wildfire Mitigation Strategy | N/A |
| Pre-Discovery 16 | CalPA | Set WMP-3 | CalAdvocates-PGE-2023WMP-03 | 9 | CalAdvocates-PGE-2023WMP-03_Q009 | For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for eachcircuit or circuit-segment influence where you plan to perform work in 2024.<br>a. EVM<br>b. Covered conductor installation<br>c. Undergrounding | Holly Wehrman | 2/7/2023 | 3/10/2023 | 3/10/2023 | | N/A | 7.2 | Wildfire Mitigation Strategy | N/A |
| Pre-Discovery 17 | CalPA | Set WMP-3 | CalAdvocates-PGE-2023WMP-03 | 10 | CalAdvocates-PGE-2023WMP-03_Q010 | For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for each circuit or circuit-segment influence how work in 2024 will be sequenced.<br>a. EVM<br>b. Covered conductor installation<br>c. Undergrounding | Holly Wehrman | 2/7/2023 | 3/10/2023 | 3/10/2023 | | N/A | 7.2 | Wildfire Mitigation Strategy | N/A |
| Pre-Discovery 18 | CalPA | Set WMP-4 | CalAdvocates-PGE-2023WMP-04 | 1 | CalAdvocates-PGE-2023WMP-04_Q001 | For each WMP initiative for which you forecast capital expenditures in 2023 to be at least two times actual capital expenditures in 2022, please provide:<br>a) The name of the initiative as it is identified in your 2023-2025 WMP<br>b) The WMP Initiative number in Table 11 of your 2023-2025 WMP<br>c) The name of the initiative as it is identified in your 2022 WMP Update | Holly Wehrman | 2/7/2023 | 3/7/2023 | 3/7/2023 | | N/A | Section 4.3 | Proposed Expenditures | N/A |
| Pre-Discovery 19 | CalPA | Set WMP-4 | CalAdvocates-PGE-2023WMP-04 | 2 | CalAdvocates-PGE-2023WMP-04_Q002 | For each WMP initiative for which you forecast capital expenditures in 2024 to be at least two times actual capital expenditures in 2022, please provide:<br>a) The name of the initiative as it is identified in your 2023-2025 WMP<br>b) The WMP Initiative number in Table 11 of your 2023-2025 WMP<br>c) The name of the initiative as it is identified in your 2022 WMP Update | Holly Wehrman | 2/7/2023 | 3/7/2023 | 3/7/2023 | | N/A | Section 4.3 | Proposed Expenditures | N/A |
| Pre-Discovery 20 | CalPA | Set WMP-4 | CalAdvocates-PGE-2023WMP-04 | 3 | CalAdvocates-PGE-2023WMP-04_Q003 | For each WMP initiative for which you forecast operating expenditures in 2023 to be at least two times actual operating expenditures in 2022, please provide:<br>a) The name of the initiative as it is identified in your 2023-2025 WMP<br>b) The WMP Initiative number in Table 11 of your 2023-2025 WMP<br>c) The name of the initiative as it is identified in your 2022 WMP Update | Holly Wehrman | 2/7/2023 | 3/7/2023 | 3/7/2023 | | N/A | Section 4.3 | Proposed Expenditures | N/A |
| Pre-Discovery 21 | CalPA | Set WMP-4 | CalAdvocates-PGE-2023WMP-04 | 4 | CalAdvocates-PGE-2023WMP-04_Q004 | For each WMP initiative for which you forecast operating expenditures in 2024 to be at least two times actual operating expenditures in 2022, please provide:<br>a) The name of the initiative as it is identified in your 2023-2025 WMP<br>b) The WMP Initiative number in Table 11 of your 2023-2025 WMP<br>c) The name of the initiative as it is identified in your 2022 WMP Update | Holly Wehrman | 2/7/2023 | 3/7/2023 | 3/7/2023 | | N/A | Section 4.3 | Proposed Expenditures | N/A |
| Pre-Discovery 22 | CalPA | Set WMP-5 | CalAdvocates-PGE-2023WMP-05 | 1 | CalAdvocates-PGE-2023WMP-05_Q001 | In response to Data Request CalAdvocates-PGE-2022WMP-31 on September 8, 2022, PG&E provided information regarding its Wildfire Distribution Risk Model version 3 (WDRM v3). Please provide an updated response to questions 1-7 of the above-referenced data request, including any new or changed information since PG&E's original response. If the response to a question has not changed, please so indicate. | Holly Wehrman | 2/10/2023 | 3/10/2023 | 3/10/2023 | | N/A | 2022 WMP Section 4.5 | Model Metrics and Calculation Methodologies | WDRM v3 |
| Pre-Discovery 23 | CalPA | Set WMP-5 | CalAdvocates-PGE-2023WMP-05 | 2 | CalAdvocates-PGE-2023WMP-05_Q002 | a) Have you identified transportation corridors within your service territory where falling or failing lines or poles could currently limit egress and/or ingress during an emergency?<br>b) If the answer to part (a) is yes, please describe how you identify such transportation corridors.<br>c) If available, please provide a geospatial data file that contains all current identified transportation corridors with ingress and egress hazards. | Holly Wehrman | 2/10/2023 | 3/10/2023 | 3/10/2023 | | N/A | 8.1.3 | Asset inspections | N/A |
| Pre-Discovery 24 | CalPA | Set WMP-5 | CalAdvocates-PGE-2023WMP-05 | 3 | CalAdvocates-PGE-2023WMP-05_Q003 | Please fill out the attached spreadsheet, CalAdvocates-PGE-2023WMP-05 Attachment 1, requesting information regarding your asset inspections in 2022. | Holly Wehrman | 2/10/2023 | 3/10/2023 | 3/10/2023 | | N/A | 8.1.3 | Asset inspections | Inspections completed in 2022 |
| Pre-Discovery 25 | CalPA | Set WMP-5 | CalAdvocates-PGE-2023WMP-05 | 4 | CalAdvocates-PGE-2023WMP-05_Q004 | Please augment Table 13 of the non-spatial data tables in your WMP Quarterly Data Report for Q4 of 2022, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter, as follows.<br>a. Add the following information in separate columns:<br>i. Name of the associated circuit<br>ii. ID number of the associated circuit<br>iii. Geographic latitude in decimal degrees, truncated to seven decimal places<br>iv. Geographic longitude in decimal degrees, truncated to seven decimal places<br>b. Provide your response in an Excel spreadsheet. | Holly Wehrman | 2/10/2023 | 3/10/2023 | 3/10/2023 | | N/A | 2022 Q4 QDR | Asset inspections | tags |
| Pre-Discovery 26 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 1 | CalAdvocates-PGE-2023WMP-06_Q001 | Provide your workplan that describes where you will undertake EVM projects in 2023. This workplan should be in an Excel format, with circuit-segments as rows. Please include the following information in separate columns in the Excel spreadsheet at a minimum:<br>a) Circuit name<br>b) Circuit ID number | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | 2023-2025 WMP 8.2.3 | Vegetation Management | EVM |
| Pre-Discovery 27 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 2 | CalAdvocates-PGE-2023WMP-06_Q002 | Provide your workplan that describes where you will undertake EVM projects in 2024. This workplan should be in an Excel format, with circuit-segments as rows. Please include the following information in separate columns in the Excel spreadsheet at a minimum:<br>a) Circuit name<br>b) Circuit ID number | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | 2023-2025 WMP 8.2.3 | Vegetation Management | EVM |
| Pre-Discovery 28 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 3 | CalAdvocates-PGE-2023WMP-06_Q003 | In response to Data Request CalAdvocates-PGE-2022WMP-11, Question 2, March 3, 2022, PG&E provided its 2022 EVM workplan. Please provide an updated version of this workplan that lists the actual EVM mileage performed in each circuit-segment in 2022 as a new column. Rows should be added as needed to cover all circuit-segments where you performed EVM work in 2022 (even if these circuit-segments were not included in the original workplan). | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | 7.3.5.2 | Vegetation Management and Inspections | Enhanced Vegetation Management |
| Pre-Discovery 29 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 4 | CalAdvocates-PGE-2023WMP-06_Q004 | In response to Data Request CalAdvocates-PGE-2022WMP-16, Question 11, March 23, 2022, PG&E stated the following: "Through 2022, the EVM program includes strike trees evaluation and hazard trees mitigation, overhang clearing and radial clearance. Starting in 2023, Enhanced VM only includes overhang clearing."<br>a) Is the statement above still accurate as of the date of this request?<br>b) If the answer to part (a) is no, please update the above statement to reflect PG&E's vegetation management strategy for 2023.<br>c) If the answer to part (a) is no, please update the above statement to reflect PG&E's vegetation management strategy for 2024. | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | 7.3.5 | Vegetation Management and Inspections | Program Costs |

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| Pre-Discovery 30 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 5 | CalAdvocates-PGE-2023WMP-06_Q005 | In response to Data Request CalAdvocates-PGE-2022WMP-15, Question 16, March 18, 2022, PG&E provided the following table, which shows spending on vegetation management programs in thousands of dollars (actual figures for 2019-2021 and forecast figures for 2022-2023):<br>Please update this table as follows:<br>a) Update the 2022 column to state actual spending in 2022.<br>b) Update the 2023 column to show PG&E's current forecasts for 2023.<br>c) Add a column that shows PG&E's current forecasts for 2024.<br>d) Please add rows as necessary, if any changes in PG&E's vegetation management strategy have created new initiatives or categories of spending. | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | Vegetation Management | N/A | N/A |
| Pre-Discovery 31 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 6 | CalAdvocates-PGE-2023WMP-06_Q006 | Please provide a list of any incidents in 2022 where the actions of a VM contractor posed a safety risk to workers and/or the public. "Safety risk" here is defined as any occurrence on a worksite where the contractor's actions created a safety hazard for either workers or the general public.<br>For each instance, please provide:<br>a) The date you were informed of the safety issue<br>b) The date that the original work that created the safety issue was performed<br>c) Whether the safety issue concerned a transmission or distribution circuit<br>d) The vegetation management initiative involved in the original work<br>e) A brief description of the safety issue involved. | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | Vegetation Management | N/A | N/A |
| Pre-Discovery 32 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 7 | CalAdvocates-PGE-2023WMP-06_Q007 | In response to Data Request CalAdvocates-PGE-2022WMP-14, Question 13, March 15, 2022, PG&E provided its 2022 system hardening workplan for the categories referred to in parts (a)-(d) below. Please provide an updated version of this workplan with additional columns to show the actual system hardening work performed in each circuit-segment in 2022 for each of these categories. Please add rows as needed to cover all circuit-segments where PG&E performed system hardening work in 2022 (even if those circuit-segments were not included in the original workplan).<br>a) Installation of covered conductor<br>b) Installation of underground conductor<br>c) Removal of overhead conductor<br>d) Removal of overhead conductor associated with remote grid work. | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | 2022 WMP Section 7.3.3.17 | Grid Design and System Hardening | System Hardening |
| Pre-Discovery 33 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 8 | CalAdvocates-PGE-2023WMP-06_Q008 | Provide your workplan that describes where and when you will perform system hardening on distribution circuits in 2023. For projects that you expect to partially complete in 2023 (i.e., projects that started before 2023 and are expected to continue in 2023, or projects that are expected to be completed after 2023), please include the project and report the work that you forecast will actually be performed in calendar year 2023.<br>For each project, include the following information in separate columns, at a minimum:<br>a) Order number<br>b) MAT code<br>c) Program<br>d) Circuit ID number<br>e) Circuit-segment name or ID number (if the project affects more than one circuit-segment, please identify each one)<br>f) Relevant wildfire risk score(s) from the wildfire risk model that you are using to estimate distribution risk in your 2023-2025 WMP filing<br>g) The expected or actual start date of the project.<br>h) The expected completion date of the project.<br>i) Length (in circuit miles) of covered conductor to be installed in 2023.<br>j) Length (in circuit miles) of underground conductor to be installed in 2023.<br>k) Length (in circuit miles) of overhead conductor to be permanently removed in 2023 and replaced by underground conductor (note that this may differ slightly from the previous section due to differing overhead and underground routes).<br>l) Length (in circuit miles) of overhead conductor to be permanently removed in 2023 and not replaced with covered conductor or undergrounded)<br>m) Length (in circuit miles) of any other type of system hardening project to be installed in 2023 (if this is greater than zero, please describe the type of system hardening project). | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | 2023 WMP Section 8.1.2.5 | System Hardening | N/A |
| Pre-Discovery 34 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 9 | CalAdvocates-PGE-2023WMP-06_Q009 | Provide your workplan that describes where and when you will perform system hardening on distribution circuits in 2024. For projects that you expect to partially complete in 2024 (i.e., projects that are expected to start before 2024 and are expected to continue in 2024, or projects that are expected to be completed after 2024), please include the project and report the work that you forecast will actually be performed in calendar year 2024.<br>For each project, include the following information in separate columns, at a minimum:<br>a) Order number<br>b) MAT code<br>c) Program<br>d) Circuit ID number<br>e) Circuit-segment name or ID number (if the project affects more than one circuit-segment, please identify each one)<br>f) Relevant wildfire risk score(s) from the wildfire risk model that you are using to estimate distribution risk in your 2023-2025 WMP filing<br>g) The expected or actual start date of the project.<br>h) The expected completion date of the project.<br>i) Length (in circuit miles) of covered conductor to be installed in 2024.<br>j) Length (in circuit miles) of underground conductor to be installed in 2024.<br>k) Length (in circuit miles) of overhead conductor to be permanently removed in 2024 and replaced by underground conductor (note that this may differ slightly from the previous section due to differing overhead and underground routes).<br>l) Length (in circuit miles) of overhead conductor to be permanently removed in 2024 and not replaced with covered conductor or undergrounded)<br>m) Length (in circuit miles) of any other type of system hardening project to be installed in 2024 (if this is greater than zero, please describe the type of system hardening project). | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | 2023 WMP Section 8.1.2.5 | System Hardening | N/A |
| Pre-Discovery 35 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 10 | CalAdvocates-PGE-2023WMP-06_Q010 | For each of your 2023-2025 WMP system hardening initiatives, please provide disaggregated information related to expenditures and circuit miles treated in the attached table, CalAdvocates PGE-2023WMP-06 Attachment 1. Add columns as needed. | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | 2023 WMP Section 4.3 | Proposed Expenditures | System Hardening |

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| Pre-Discovery 36 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 11 | CalAdvocates-PGE-2023WMP-06_Q011 | Please provide a spreadsheet listing (as rows) each undergrounding project completed during the period of January 1, 2022, through December 31, 2022. For each project, please provide the following information (as columns):<br>a) Project ID number or other identifier<br>b) Circuit ID<br>c) ID of each circuit segment that was entirely undergrounded in the project<br>d) ID of each circuit segment that was partially undergrounded in the project<br>e) County or counties where undergrounding took place<br>f) Project start date<br>g) Project completion date<br>h) Total circuit-miles undergrounded<br>i) Total miles of trenching required<br>j) Total life-cycle electric costs5<br>of the project (i.e., costs attributed to your electric facilities),<br>including costs for planning, design, permitting, and construction<br>k) Total life-cycle costs of the project, including costs attributed to non-electric utilities,<br>including costs for planning, design, permitting, and construction<br>l) Whether this was a Rule 20 project6<br>(yes/no)<br>m) Whether this was a WMP project (yes/no)<br>n) Whether this was a post-wildfire rebuild project (yes/no)<br>o) Whether you shared trenches for this project with any telecommunications utilities (yes/no)<br>p) Whether you shared trenches for this project with gas facilities (yes/no). | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | 2023 WMP 8.1.2.2 | Grid Design and System Hardening | Undergrounding |
| Pre-Discovery 37 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 12 | CalAdvocates-PGE-2023WMP-06_Q012 | Please provide a geodatabase file with a polyline feature for each undergrounding project completed during the period of January 1, 2022 through December 31, 2022. In addition to the spatial<br>location, please provide the following attributes for each project:<br>a) Project ID number or other identifier, matching part (a) of the previous question<br>b) Circuit ID<br>c) Project completion date. | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | 2023 WMP 8.1.2.2 | Grid Design and System Hardening | Undergrounding |
| Pre-Discovery 38 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 13 | CalAdvocates-PGE-2023WMP-06_Q013 | Identify any ignitions in 2022 associated with assets where you had an existing corrective notification at the time of the ignition. Please provide a spreadsheet listing each such ignition (as rows) with the following information in separate columns:<br>a) Unique ignition ID<br>b) Date of ignition<br>c) Cause of ignition<br>d) Type of asset associated with the ignition<br>e) Acres burned<br>f) Number of structures burned, if any<br>g) Number of injuries associated with ignition, if any<br>h) Asset ID of asset associated with ignition<br>i) Circuit ID number of circuit associated with ignition<br>j) Notification number(s) for the existing maintenance tag on the asset in question. | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | 2022 WMP Section 7.3.4 | Asset Management and Inspections | N/A |
| Pre-Discovery 39 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 14 | CalAdvocates-PGE-2023WMP-06_Q014 | a) Has PG&E's Asset Failure Analysis Team causally connected any ignitions that occurred in 2022 to assets with existing asset or vegetation corrective notifications at the time of ignition?<br>b) If the answer to part (a) is yes, please provide the following information on each such ignition:<br>i. Unique ignition ID (matching the previous question)<br>ii. Date of ignition<br>iii. Cause(s) identified by the Asset Failure Analysis Team<br>iv. The type of corrective notification that was linked to the ignition (i.e., the priority level and whether it related to asset management or vegetation management).<br>v. Copies of associated reports or investigations performed by the Asset Failure Analysis Team. | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | 2022 WMP 7.3.7 | Data Governance | Asset Failure Analysis |
| Pre-Discovery 40 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 15 | CalAdvocates-PGE-2023WMP-06_Q015 | Per PG&E's response to Data Request CalAdvocates-PGE-2022WMP-17, Question 13, March 24, 2022, PG&E's inspection strategy in 2022 was to complete detailed inspections on all assets in HFTD Tier 3 and Zone 1, and approximately one-third of assets in HFTD Tier 2.<br>a) Please describe any changes to the above strategy for PG&E's detailed distribution inspections in 2023.<br>b) Please describe any changes to the above strategy for PG&E's detailed transmission inspections in 2023.<br>c) Please describe any changes to the above strategy for PG&E's detailed distribution inspections in 2024.<br>d) Please describe any changes to the above strategy for PG&E's detailed transmission inspections in 2024. | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | 2022 WMP 7.3.4.1 and 7.3.4.14 | Asset Management and Inspections | N/A |
| Pre-Discovery 41 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 16 | CalAdvocates-PGE-2023WMP-06_Q016 | Regarding your PSPS circuit modeling capabilities:<br>a) Please describe your present circuit modeling capabilities with regard to PSPS decision making ("PSPS circuit modeling capabilities"), including with what level of granularity they are able to determine how circuit hardening efforts or other changes to a line segment will affect PSPS thresholds.<br>b) Please describe any improvements to the present PSPS circuit modeling capabilities that you expect to implement in 2023.<br>c) Please describe any improvements to the present PSPS circuit modeling capabilities that you expect to implement in 2024.<br>d) Please describe the expected state of your PSPS circuit modeling capabilities at the conclusion of the 2023-2025 WMP cycle. | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | PSPS | N/A | N/A |
| Pre-Discovery 42 | CalPA | Set WMP-6 | CalAdvocates-PGE-2023WMP-06 | 17 | CalAdvocates-PGE-2023WMP-06_Q017 | a) Have you developed Public Safety Power Shutoff (PSPS) risk scores at the circuit-segment level? b) Have you developed Enhanced Powerline Safety Settings (EPSS) risk scores at the circuit segment level? c) If the answer to either parts (a) or (b) is yes, please provide a geodatabase file containing, as line features, the most recent spatial data for all circuit segments for which you have modeled PSPS or EPSS risk scores. Include the following attributes for each circuit segment: i. Circuit Identification Number ii. Circuit Name iii. Circuit Segment Identification Number iv. Circuit segment-level PSPS Risk Score (if applicable) v. Circuit segment-level EPSS Risk Score (if applicable). d) If the answer to either parts (a) or (b) is yes, please provide a spreadsheet that lists (as rows) each circuit-segment for which you have modeled PSPS or EPSS risk scores. Include the following attributes for each circuit segment: i. Circuit Identification Number ii. Circuit Name iii. Circuit Segment Identification Number iv. Circuit segment-level PSPS Risk Score (if applicable) v. Circuit segment-level EPSS Risk Score (if applicable) e) If the answer to part (a) is no, does PG&E intend to develop PSPS risk scores for circuit segments? f) If the answer to part (b) is no, does PG&E intend to develop EPSS risk scores for circuit segments? | Holly Wehrman | 2/10/2023 | 3/29/2023 | 3/29/2023 | | N/A | PSPS/EPSS | N/A | N/A |

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| Pre-Discovery 43 | CPUC - SPD (Safety Policy Division) | 001 | SPD_001 | 1 | SPD_001-Q001 | REFCL Inquiries:<br>•REFCL Pilot at Calistoga Circuit Segment ID 1102131531<br>oDescribe various active settings profiles.<br>oDescribe how staged fault testing is planned to be conducted.<br>oExplain how REFCL rides through momentary faults & when REFCL deenergizes line for permanent faults.<br>•Substation Configuration – Describe any substation and/or circuit configuration issues to deploy REFCL<br>•Availability of REFCL – Describe any known barriers to increasing deployment in CA<br>•Explain which risk drivers per Table PG&E-7.1.4-1 REFCL mitigates.<br>•Explain why REFCL is not preferred mitigation for broader deployment and confirm PG&E no longer plans to install REFCL at 2 substations per year per GRC filing. | Wendy Al-Mukdad | 2/23/2023 | 3/9/2023 | 3/9/2023 | | | 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 | SPD_001 | 2 | SPD_001-Q002 | EPSS & Supporting Technologies (DCD & Partial Voltage Detection) Inquiries:<br>•Explain all activities planned to mitigate EPSS reliability impacts.<br>oAre customer support programs (e.g., battery backup) distinct from or linked to those in place for PSPS implementation?<br>•Explain Sensitive Ground Fault settings for EPSS enabled circuit segments.<br>•Explain Downed Conductor Detection (DCD) technology and how it isolates high impedance faults with EPSS.<br>oExplain DCD 2023-2025 Targets (i.e. 500, 400 & 250 protective device controllers or relays) and whether they will cover all HFTD and buffer EPSS circuits. Explain why says To Be Updated.<br>oExplain how many DCD are currently installed including on top 5% risk circuit segments.<br>•Explain Partial Voltage Detection using SmartMeters and how supplements DCD and EPSS. | Wendy Al-Mukdad | 2/23/2023 | 3/9/2023 | 3/9/2023 | | | 8.1.8.1.1 | Grid Operations and Procedures | Protective Equipment and Device Settings |
| Pre-Discovery 45 | CPUC - SPD (Safety Policy Division) | 001 | SPD_001 | 3 | SPD_001-Q003 | EPSS & REFCL Inquiries:<br>•EPSS vs REFCL – Describe the major similarities and differences.<br>oWhat are advantages and disadvantages?<br>□In terms of capability, sectionalization, safety, and reliability?<br>•Phase-to-Ground Faults vs Complex (Multiphase) Faults – What is the risk profile of existing ignitions on PG&E's system and how does REFCL & EPSS mitigate these risks?<br>•Combination of REFCL with EPSS & Other Mitigations – Explain how these could work together, and if PG&E has quantified combined risk-reduction benefits.<br>•Explain the differences in fault energy for EPSS vs REFCL including for low and high impedance faults.<br>oExplain why EPSS is preferred if REFCL fault energy is less than 10% of EPSS fault energy for low impedance faults.<br>oExplain the effectiveness of DCD vs REFCL on high impedance faults | Wendy Al-Mukdad | 2/23/2023 | 3/9/2023 | 3/9/2023 | | | 8.1.8.1 | Grid Operations and Procedures | Equipment Settings to Reduce Wildfire Risk |
| Pre-Discovery 46 | CPUC - SPD (Safety Policy Division) | 001 | SPD_001 | 4 | SPD_001-Q004 | General risk reduction inquiry:<br>•What's PG&E's goal for long-term risk reduction, particularly reduction of likelihood of ignition and also reduction of consequences, for circuits in HFTDs that are not undergrounded? | Wendy Al-Mukdad | 2/23/2023 | 3/9/2023 | 3/9/2023 | | | 7.2.1 | Wildfire Mitigation Strategy | Overview of Mitigation Initiatives and Activities |
| Pre-Discovery 47 | Green Power Institute (GPI) | 001 | GPI_001 | 1 | GPI_001-Q001 | Please provide PG&E's Pre-submission 2023-2025 WMP Base Plan filed on February 13, 2023, with the OEIS per the 2023 WMP Guidelines and Schedule document. Including all attachments and associated supporting documents required for the Pre-submission 2023-2025 WMP Base Plan filing. | Zoe Harrold | 3/1/2023 | 3/14/2023 | 3/14/2023 | | | All | All | All |
| 1 | CalPA | Set WMP-07 | CalAdvocates-PGE-2023WMP-07 | 1 | CalAdvocates-PGE-2023WMP-07_Q001 | In the review of PG&E's WDRM v3 by Energy & Environmental Economics, Inc. ("E3 Review"), the authors note: "There were also several refreshes to PG&E asset data, now current to 2022-01- 01, and inclusion of updated internally sourced meteorology datasets." 3 a) Please confirm that no asset data collected after January 1, 2022 was used in the WDRM v3. b) If asset data collected after January 1, 2022 was used in PG&E's WDRM v3, please specify the date(s) on which any such data was collected. c) Please confirm that "asset data" in parts a) and b) is geospatial (GIS) data from the operational system of record. If not, please state the origin of the asset data. | Joshua Borkowski | 3/27/2023 | 3/30/2023 | | | | 6.2 | Risk Methodology and Assessment | Risk Analysis Framework |
| 2 | CalPA | Set WMP-07 | CalAdvocates-PGE-2023WMP-07 | 2 | CalAdvocates-PGE-2023WMP-07_Q002 | Page 15 of the E3 Review includes a list of components included in the WDRM v3. 4 a) Please confirm the date that the WDRM v3 was finalized. b) If the final list of components is different than what is listed in the E3 review, please provide an updated and accurate list of components that are used as inputs in PG&E's WDRM v3. c) For any inputs included in your response to Question 2(b) that do not appear on Page 15 of the E3 review, please provide the latest date on which each input was updated. d) If any dates given in response to Question 2(c) are different from those given in question 1(b), please explain why they are different. | Joshua Borkowski | 3/27/2023 | 3/30/2023 | | | | 6.2 | Risk Methodology and Assessment | Risk Analysis Framework |
| 3 | CalPA | Set WMP-07 | CalAdvocates-PGE-2023WMP-07 | 3 | CalAdvocates-PGE-2023WMP-07_Q003 | a) Please confirm the date that the WRDM v4 was finalized. If it has not been finalized, please provide an estimateddate on which it will be finalized. b) Please provide a current list of components that are used as inputs in v4 of the WDRM model. c) Please state the date of PG&E asset data used in v4 of the WDRM model. If there are multiple dates, include the most recent date for any asset data used in the model, and any date(s) on which the data used in the model was collected. d) Please confirm that "asset data" in part c) is geospatial (GIS) data from the operational system of record. If not, please state the origin(s) of the asset data. | Joshua Borkowski | 3/27/2023 | 3/30/2023 | | | | 6.2 | Risk Methodology and Assessment | Risk Analysis Framework |
| 4 | MGRA | Data Request No. 1 | MGRA_Data Request No. 1 | 1 | MGRA_Data Request No. 1_Q1 | Please provide for Asset Point data for Camera, Fuse, Support Structure, and Weather Station. | Joseph Mitchell | 3/29/2023 | 4/3/2023 | | | | 6.4 | Risk Analysis Results and Presentation | N/A |
| 5 | MGRA | Data Request No. 1 | MGRA_Data Request No. 1 | 2 | MGRA_Data Request No. 1_Q2 | Provide Asset Line data for Transmission Line (as permitted as non-confidential), Primary Distribution Line, and Secondary Distribution Line. | Joseph Mitchell | 3/29/2023 | 4/3/2023 | | | | 6.4 | Risk Analysis Results and Presentation | N/A |
| 6 | MGRA | Data Request No. 1 | MGRA_Data Request No. 1 | 3 | MGRA_Data Request No. 1_Q3 | Provide PSPS Event data. Include Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide all PSPS Event Asset Damage data including photos | Joseph Mitchell | 3/29/2023 | 4/3/2023 | | | | 6.4 | Risk Analysis Results and Presentation | N/A |
| 7 | MGRA | Data Request No. 1 | MGRA_Data Request No. 1 | 4 | MGRA_Data Request No. 1_Q4 | Provide Risk Event Point data, including Wire Down, Ignition, Transmission unplanned outage (as classified non-confidential), Distribution Unplanned Outage data, Distribution Vegetation Caused Unplanned Outage, Risk Event Asset Log | Joseph Mitchell | 3/29/2023 | 4/3/2023 | | | | 6.4 | Risk Analysis Results and Presentation | N/A |
| 8 | MGRA | Data Request No. 1 | MGRA_Data Request No. 1 | 5 | MGRA_Data Request No. 1_Q5 | Provide photo data for Risk Events. | Joseph Mitchell | 3/29/2023 | 4/3/2023 | | | | 6.4 | Risk Analysis Results and Presentation | N/A |
| 9 | MGRA | Data Request No. 1 | MGRA_Data Request No. 1 | 6 | MGRA_Data Request No. 1_Q6 | Under Initiatives, please provide Grid Hardening data, including Hardening Log, Hardening Point, and Hardening Line data. Inspection data is not requested at this time. | Joseph Mitchell | 3/29/2023 | 4/3/2023 | | | | 6.4 | Risk Analysis Results and Presentation | N/A |
| 10 | MGRA | Data Request No. 1 | MGRA_Data Request No. 1 | 7 | MGRA_Data Request No. 1_Q7 | Under Initiatives, please provide Other Initiative data for point, line, polygon features and the Other Initiative Log. | Joseph Mitchell | 3/29/2023 | 4/3/2023 | | | | 6.4 | Risk Analysis Results and Presentation | N/A |
| 11 | MGRA | Data Request No. 1 | MGRA_Data Request No. 1 | 8 | MGRA_Data Request No. 1_Q8 | Under Other Required Data, please provide Red Flag Warning Day polygon data. | Joseph Mitchell | 3/29/2023 | 4/3/2023 | | | | 6.4 | Risk Analysis Results and Presentation | N/A |
| 12 | MGRA | Data Request No. 1 | MGRA_Data Request No. 1 | 9 | MGRA_Data Request No. 1_Q9 | Please provide a layer indicating calculated circuit-level risk using the methodology presented in the WMP.<br>a. If independent probability and consequence layers exist, please provide these independently as well. | Joseph Mitchell | 3/29/2023 | 4/3/2023 | | | | 6.4 | Risk Analysis Results and Presentation | N/A |