

Liberty 2023 WMP Discovery Log

| Count | Party Name   | DR Set # | Data Request                    | Question No. | Question ID   | Question  | Response  | Requestor   | Date Received | Final Date Due | Date Sent | Links  | Number of Attachments | Attachment Links | NDA Required? | WMP Section        | Category   | Subcategory  |
|-------|--------------|----------|---------------------------------|--------------|---------------|---|---|-------------|---------------|----------------|-----------|--|-----------------------|------------------|---------------|--------------------|--|--------------|
| 1     | CalAdvocates | 1        | CalAdvocates-Liberty-2023WMP-01 | 1            | CalAdv-01-1.1 | 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 CalAdvocates within one business day of the document's submission 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. This request is limited to materials or documents that (1) are related to work plans, initiative targets, risk models, risk spend efficiency (RSE) calculations, or WMP change orders; and (2) are provided to Energy Safety to provide additional details or context concerning information or statements in your WMP (and any subsequent revisions or change orders affecting your WMP).   | Refer to attachment: "2023-03-06_Liberty_2023_WMP-RO" for Liberty's 2023 WMP pre-submission, as submitted to OEIS on March 6, 2023. Additionally, Liberty attempted to provide CalAdvocates with copies of its Q4 2022 Quarterly Data Report ("QDR") files on February 1, 2023. However, due to technical issues with the CPUC Kiteworks platform, Liberty was not able to provide copies of these files until February 9, 2023.  | Aaron Louie | 2/24/2023     | N/A            | 3/8/2023  | <a href="#">CalAdvocates-Liberty-2023WMP-01_Liberty_Response_03082023.pdf</a> (libertyutilities.com) | 1                     |                  |               | WMP Pre-Submission | Administrative   | N/A          |
| 1     | CalAdvocates | 1        | CalAdvocates-Liberty-2023WMP-01 | 2            | CalAdv-01-1.2 | Please provide a copy of your WMP pre-submission within two business days of its submission to Energy Safety.   | Refer to attachment: "2023-03-06_Liberty_2023_WMP_BO_Public" for Liberty's 2023 WMP pre-submission.   | Aaron Louie | 2/24/2023     | N/A            | 3/8/2023  | <a href="#">CalAdvocates-Liberty-2023WMP-01_Liberty_Response_03082023.pdf</a> (libertyutilities.com) | 1                     |                  |               | WMP Pre-Submission | Administrative   | N/A          |
| 1     | CalAdvocates | 1        | CalAdvocates-Liberty-2023WMP-01 | 3            | CalAdv-01-1.3 | 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.   | Liberty attempted to provide CalAdvocates with copies of its Q4 2022 QDR files on February 1, 2023. However, due to technical issues with the CPUC Kiteworks platform, Liberty was not able to provide copies of these files until February 9, 2023.  | Aaron Louie | 2/24/2023     | N/A            | 3/8/2023  | <a href="#">CalAdvocates-Liberty-2023WMP-01_Liberty_Response_03082023.pdf</a> (libertyutilities.com) |                       |                  |               | WMP Pre-Submission | Administrative   | N/A          |
| 1     | CalAdvocates | 1        | CalAdvocates-Liberty-2023WMP-01 | 4            | CalAdv-01-1.4 | Provide a copy 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: a) Confidential responses to WMP discovery requests issued by Energy Safety; b) Confidential responses to WMP discovery requests issued by other entities.   | Liberty will provide CalAdvocates with copies of responses to 2023 WMP discovery requests made by Energy Safety and other entities.   | Aaron Louie | 2/24/2023     | N/A            | 3/8/2023  | <a href="#">CalAdvocates-Liberty-2023WMP-01_Liberty_Response_03082023.pdf</a> (libertyutilities.com) |                       |                  |               | WMP Pre-Submission | Administrative   | N/A          |
| 2     | CalAdvocates | 2        | CalAdvocates-Liberty-2023WMP-02 | 1            | CalAdv-02-2.1 | 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.  | For Vegetation Management programs, Liberty performs a post-work documentation review, or desktop review, of 100% of vegetation management invoices in order to confirm accuracy. If satisfactory, the invoices are approved in Liberty's work management system. If not satisfactory, the invoice and supporting documents are returned to the contractor for correction. The following file related to Liberty's Post-Work Verification Procedure ("PWVP") desktop review is included in the Supporting Materials email for this data request response sent to CalAdvocates through the CPUC Kiteworks system: "2022 Liberty Internal Desktop Invoice Audit Tracker." Additionally, Liberty system arborists perform post-work field validations to confirm adherence to work specifications. This includes a review to determine whether (1) adequate clearances were achieved, (2) slash and debris removal was satisfactory, (3) the inventory of the work is accurate, and (4) pruning was completed per ANSI standards. Work that is determined to be unsatisfactory is reported to the contractor to be corrected. Liberty provided additional information regarding its vegetation management QA/QC procedures in Section 8.2.5 of its 2023 WMP pre-submission. Liberty is in the process of collecting QA/QC materials completed as part of its asset inspections QA/QC program in 2022. Liberty plans to provide this information to CalAdvocates by March 17, 2023. | Aaron Louie | 2/24/2023     | 3/10/2023      | 3/10/2023 | <a href="#">CalAdvocates-Liberty-2023WMP-02_Liberty_Response_03102023.pdf</a> (libertyutilities.com) |                       |                  |               | 8                  | Grid Design, operations, and maintenance (8.1) Vegetation Management (8.2) | 8.1.6, 8.2.5 |
| 2     | CalAdvocates | 2        | CalAdvocates-Liberty-2023WMP-02 | 2            | CalAdv-02-2.2 | 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.   | Refer to the following vegetation management files and folders in the Supporting Materials email for this data request response sent to CalAdvocates through the CPUC Kiteworks system: "2022_VM_OC_Pass_Results_Report.xlsx" "TAH7800_LIDAR_Work_OC_Corrective_Action.xlsx" "OC of Completed Work folder" "OC of Inspections folder Liberty is in the process of collecting QA/QC materials completed as part of its asset inspections QA/QC program in 2022. Liberty plans to provide this information to CalAdvocates by March 17, 2023." "OC of Pole Clearing folder" "Dead tree audit 7_2 folder"  | Aaron Louie | 2/24/2023     | 3/10/2023      | 3/10/2023 | <a href="#">CalAdvocates-Liberty-2023WMP-02_Liberty_Response_03102023.pdf</a> (libertyutilities.com) | 6                     |                  |               | 8                  | Grid Design, operations, and maintenance (8.1) Vegetation Management (8.2) | 8.1.6, 8.2.5 |
| 2     | CalAdvocates | 2        | CalAdvocates-Liberty-2023WMP-02 | 3            | CalAdv-02-2.3 | 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: a) Associated circuit name b) Defect type c) Description of defect d) 2022 WMP initiative (from your 2022 WMP update) associated with defect e) Date that the defect was identified f) Date that the defect was corrected g) If the defect has not yet been corrected as of the issuance date of this data request, a brief explanation h) Priority level of corresponding corrective tag i) Geographic latitude of defect in decimal degrees, truncated to seven decimal places j) Geographic longitude of defect in decimal degrees, truncated to seven decimal places   | Liberty did not receive any Notices of Defects from Energy Safety in 2022.  | Aaron Louie | 2/24/2023     | 3/10/2023      | 3/10/2023 | <a href="#">CalAdvocates-Liberty-2023WMP-02_Liberty_Response_03102023.pdf</a> (libertyutilities.com) |                       |                  |               | 12                 | Notices of Violation and Defect  | N/A          |
| 2     | CalAdvocates | 2        | CalAdvocates-Liberty-2023WMP-02 | 4            | CalAdv-02-2.4 | Provide an Excel table of all violations in the year 2022 found by Energy Safety's Compliance Branch (as rows) that includes the following information in separate columns: a) Associated circuit name b) Violation type c) Description of violation d) 2022 WMP initiative (from your 2022 WMP update) associated with violation e) Date that the violation was identified f) Date that the violation was corrected g) If the violation has not yet been corrected as of the issuance date of this data request, a brief explanation h) Priority level of corresponding corrective tag i) Geographic latitude of violation in decimal degrees, truncated to seven decimal places j) Geographic longitude of violation in decimal degrees, truncated to seven decimal places  | Liberty did not receive any Notices of Violations from Energy Safety in 2022.   | Aaron Louie | 2/24/2023     | 3/10/2023      | 3/10/2023 | <a href="#">CalAdvocates-Liberty-2023WMP-02_Liberty_Response_03102023.pdf</a> (libertyutilities.com) |                       |                  |               | 12                 | Notices of Violation and Defect  | N/A          |
| 3     | CalAdvocates | 3        | CalAdvocates-Liberty-2023WMP-03 | 1            | CalAdv-03-3.1 | Provide an Excel table of all distribution circuits existing as of January 1, 2023 (as rows) that includes the following information in separate columns: a) Circuit name b) Circuit ID number c) Total circuit miles d) Circuit miles in Non-HFTD Areas e) Circuit miles in Other HFTD f) Circuit miles in HFTD Tier 2 g) Circuit miles in HFTD Tier 3 h) Circuit voltage i) Total customer-minutes of de-energization on the circuit due to PPS events in 2021 (sum of customer-minutes across all PPS events) j) Total customer-minutes of de-energization on the circuit due to PPS events in 2022 (sum of customer-minutes across all PPS events) k) Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2021. l) Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2022. m) Number of trees that were worked on for EVM in Non-HFTD in 2021 n) Number of trees that were worked on for EVM in Other HFTD in 2021 o) Number of trees that were worked on for EVM in Other HFTD in 2022 p) Number of trees that were worked on for EVM in HFTD Tier 2 in 2021 q) Number of trees that were worked on for EVM in HFTD Tier 2 in 2022 r) Number of trees that were worked on for EVM in HFTD Tier 3 in 2021 s) Number of trees that were worked on for EVM in HFTD Tier 3 in 2022 t) Miles of LIDAR inspection in Non-HFTD in 2021 u) Miles of LIDAR inspection in Other HFTD in 2021 v) Miles of LIDAR inspection in Non-HFTD in 2022 w) Miles of LIDAR inspection in Other HFTD in 2022 | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-03_Liberty Response Questions 1-4," Tab Q1 - Distribution.  | Aaron Louie | 2/24/2023     | 3/24/2023      | 3/29/2023 | <a href="#">CalAdvocates-Liberty-2023WMP-03_Liberty_Response_03292023.pdf</a> (libertyutilities.com) | 1                     |                  |               | 5, 6               | Electrical Infrastructure  | 5.2, 6.4.2   |
| 3     | CalAdvocates | 3        | CalAdvocates-Liberty-2023WMP-03 | 2            | CalAdv-03-3.2 | Provide an Excel table of all transmission circuits existing as of January 1, 2022, that were removed or decommissioned in 2022, either partially or entirely (as rows). 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: a) Circuit name b) Circuit ID number c) Circuit miles removed or decommissioned in Non-HFTD Areas d) Circuit miles removed or decommissioned in Other HFTD e) Circuit miles removed or decommissioned in HFTD Tier 2 f) Circuit miles removed or decommissioned in HFTD Tier 3 g) Reason(s) for removal or decommissioning.  | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-03_Liberty Response Questions 1-4," Tab Q2 - Transmission.  | Aaron Louie | 2/24/2023     | 3/24/2023      | 3/29/2023 | <a href="#">CalAdvocates-Liberty-2023WMP-03_Liberty_Response_03292023.pdf</a> (libertyutilities.com) | 1                     |                  |               | 5, 6               | Electrical Infrastructure  | 5.2, 6.4.3   |
| 3     | CalAdvocates | 3        | CalAdvocates-Liberty-2023WMP-03 | 3            | CalAdv-03-3.3 | Provide an Excel table of all transmission circuits existing as of January 1, 2022, that were removed or decommissioned in 2022, either partially or entirely (as rows). 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: a) Circuit name b) Circuit ID number c) Circuit miles removed or decommissioned in Non-HFTD Areas d) Circuit miles removed or decommissioned in Other HFTD e) Circuit miles removed or decommissioned in HFTD Tier 2 f) Circuit miles removed or decommissioned in HFTD Tier 3 g) Reason(s) for removal or decommissioning.  | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-03_Liberty Response Questions 1-4," Tab Q3 - Distribution Removals.   | Aaron Louie | 2/24/2023     | 3/24/2023      | 3/29/2023 | <a href="#">CalAdvocates-Liberty-2023WMP-03_Liberty_Response_03292023.pdf</a> (libertyutilities.com) | 1                     |                  |               | 8                  | Line Removal   | 8.1.2.9      |
| 3     | CalAdvocates | 3        | CalAdvocates-Liberty-2023WMP-03 | 4            | CalAdv-03-3.4 | Provide an Excel table of all transmission circuits existing as of January 1, 2022, that were removed or decommissioned in 2022, either partially or entirely (as rows). 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: a) Circuit name b) Circuit ID number c) Circuit miles removed or decommissioned in Non-HFTD Areas d) Circuit miles removed or decommissioned in Other HFTD e) Circuit miles removed or decommissioned in HFTD Tier 2 f) Circuit miles removed or decommissioned in HFTD Tier 3 g) Reason(s) for removal or decommissioning.  | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-03_Liberty Response Questions 1-4," Tab Q4 - Transmission Removals.   | Aaron Louie | 2/24/2023     | 3/24/2023      | 3/29/2023 | <a href="#">CalAdvocates-Liberty-2023WMP-03_Liberty_Response_03292023.pdf</a> (libertyutilities.com) | 1                     |                  |               | 8                  | Line removal   | 8.1.2.9      |

|              |   |                                 |    |                |   |  |             |           |           |           |  |   |  |       |     |
|--------------|---|---------------------------------|----|----------------|---|--|-------------|-----------|-----------|-----------|--|---|--|-------|-----|
| CalAdvocates | 3 | CalAdvocates-Liberty-2023WMP-03 | 5  | CalAdv-03-3.5  | 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. a) Vegetation management (VM)<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.   | Liberty did not perform overall wildfire risk scores at the circuit or circuit segment level that influenced where it performed work in 2022. Work performed in 2022 was planned using separate risk analysis, compliance requirements, and/or subject matter expertise. Liberty is evaluating the results of differing wildfire risk assessments at the circuit and/or circuit segment level to plan and prioritize where it performs future work in 2024. For additional information, refer to Section 6.7, Section 7.1.3, Section 7.1.4, and individual initiative subsections in Section 8 of Liberty's 2023 WMP pre-submission. | Aaron Louie | 2/24/2023 | 3/24/2023 | 3/29/2023 | CalAdvocates-Liberty-2023WMP-03_Liberty-Response_03292023.pdf (libertyutilities.com) | 6 | Risk Scoring                                   | N/A   |     |
| CalAdvocates | 3 | CalAdvocates-Liberty-2023WMP-03 | 6  | CalAdv-03-3.6  | For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for each circuit or circuit-segment influenced where you plan to perform work in 2023. a) VM<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.   | Liberty did not perform overall wildfire risk scores at the circuit or circuit segment level that influenced where it performed work in 2023. Work performed in 2023 was planned using separate risk analysis, compliance requirements, and/or subject matter expertise. Liberty is evaluating the results of differing wildfire risk assessments at the circuit and/or circuit segment level to plan and prioritize where it performs future work in 2024. For additional information, refer to Section 6.7, Section 7.1.3, Section 7.1.4, and individual initiative subsections in Section 8 of Liberty's 2023 WMP pre-submission. | Aaron Louie | 2/24/2023 | 3/24/2023 | 3/29/2023 | CalAdvocates-Liberty-2023WMP-03_Liberty-Response_03292023.pdf (libertyutilities.com) | 6 | Risk Scoring                                   | N/A   |     |
| CalAdvocates | 3 | CalAdvocates-Liberty-2023WMP-03 | 7  | CalAdv-03-3.7  | For each WMP initiative listed below, please state which and how the modeled Wildfire Risk Scores for each circuit or circuit-segment influence how work in 2023 will be sequenced. a) VM<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.  | Liberty did not perform overall wildfire risk scores at the circuit or circuit segment level that influenced where it performed work in 2023. Work performed in 2023 was planned using separate risk analysis, compliance requirements, and/or subject matter expertise. Liberty is evaluating the results of differing wildfire risk assessments at the circuit and/or circuit segment level to plan and prioritize where it performs future work in 2024. For additional information, refer to Section 6.7, Section 7.1.3, Section 7.1.4, and individual initiative subsections in Section 8 of Liberty's 2023 WMP pre-submission. | Aaron Louie | 2/24/2023 | 3/24/2023 | 3/29/2023 | CalAdvocates-Liberty-2023WMP-03_Liberty-Response_03292023.pdf (libertyutilities.com) | 6 | Risk Scoring                                   | N/A   |     |
| CalAdvocates | 3 | CalAdvocates-Liberty-2023WMP-03 | 8  | CalAdv-03-3.8  | 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 2024. a) VM<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.  | Liberty is evaluating the results of differing wildfire risk assessments at the circuit and/or circuit segment level to plan and prioritize where it performs future work in 2024. For additional information, refer to Section 6.7, Section 7.1.3, Section 7.1.4, and individual initiative subsections in Section 8 of Liberty's 2023 WMP pre-submission.  | Aaron Louie | 2/24/2023 | 3/24/2023 | 3/29/2023 | CalAdvocates-Liberty-2023WMP-03_Liberty-Response_03292023.pdf (libertyutilities.com) | 6 | Risk Scoring                                   | N/A   |     |
| CalAdvocates | 3 | CalAdvocates-Liberty-2023WMP-03 | 9  | CalAdv-03-3.9  | 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. a) VM<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.  | Liberty is evaluating the results of differing wildfire risk assessments at the circuit and/or circuit segment level to plan and prioritize how future work is sequenced in 2024. For additional information, refer to Section 6.7, Section 7.1.3, Section 7.1.4, and individual initiative subsections in Section 8 of Liberty's 2023 WMP pre-submission.   | Aaron Louie | 2/24/2023 | 3/24/2023 | 3/29/2023 | CalAdvocates-Liberty-2023WMP-03_Liberty-Response_03292023.pdf (libertyutilities.com) | 6 | Risk Scoring                                   | N/A   |     |
| CalAdvocates | 3 | CalAdvocates-Liberty-2023WMP-03 | 10 | CalAdv-03-3.10 | 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: 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<br>d) The WMP initiative number in Table 12 of your 2022 WMP Update<br>e) An explanation for the projected increase.   | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-04_Liberty-Response-Questions 1-4," Tab Response 1.  | Aaron Louie | 2/24/2023 | 3/24/2023 | 3/29/2023 | CalAdvocates-Liberty-2023WMP-04_Liberty-Response_03292023.pdf (libertyutilities.com) | 6 | Risk Scoring                                   | N/A   |     |
| CalAdvocates | 4 | CalAdvocates-Liberty-2023WMP-04 | 1  | CalAdv-04-4.1  | For each WMP initiative for which you forecast capital expenditures in 2024 to be at least two times actual capital expenditures in 2022, please provide: a) The name of the initiative as it is 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<br>d) The WMP initiative number in Table 12 of your 2022 WMP Update<br>e) An explanation for the projected increase.   | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-04_Liberty-Response-Questions 1-4," Tab Response 2.  | Aaron Louie | 2/24/2023 | 3/24/2023 | 3/31/2023 | CalAdvocates-Liberty-2023WMP-04_Liberty-Response_03312023.pdf (libertyutilities.com) | 1 | WMP Financials                                 | N/A   | N/A |
| CalAdvocates | 4 | CalAdvocates-Liberty-2023WMP-04 | 2  | CalAdv-04-4.2  | For each WMP initiative for which you forecast operating expenditures in 2023 to be at least two times actual operating expenditures in 2022, please provide: a) The name of the initiative as it is identified in your 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<br>d) The WMP initiative number in Table 12 of your 2022 WMP Update<br>e) An explanation for the projected increase.   | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-04_Liberty-Response-Questions 1-4," Tab Response 3.  | Aaron Louie | 2/24/2023 | 3/24/2023 | 3/31/2023 | CalAdvocates-Liberty-2023WMP-04_Liberty-Response_03312023.pdf (libertyutilities.com) | 1 | WMP Financials                                 | N/A   | N/A |
| CalAdvocates | 4 | CalAdvocates-Liberty-2023WMP-04 | 3  | CalAdv-04-4.3  | For each WMP initiative for which you forecast operating expenditures in 2024 to be at least two times actual operating expenditures in 2022, please provide: a) The name of the initiative as it is 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<br>d) The WMP initiative number in Table 12 of your 2022 WMP Update<br>e) An explanation for the projected increase.   | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-04_Liberty-Response-Questions 1-4," Tab Response 4.  | Aaron Louie | 2/24/2023 | 3/24/2023 | 3/31/2023 | CalAdvocates-Liberty-2023WMP-04_Liberty-Response_03312023.pdf (libertyutilities.com) | 1 | WMP Financials                                 | N/A   | N/A |
| CalAdvocates | 4 | CalAdvocates-Liberty-2023WMP-04 | 4  | CalAdv-04-4.4  | As of January 1, 2022, have you identified transportation corridors within your service territory where falling or falling lines or poles could currently limit egress and/or ingress during an emergency? If yes, please describe how you identify such transportation corridors. If available, please provide a geospatial data file that contains all current identified transportation corridors with ingress and egress hazards.   | a) No. b) N/A. c) N/A.   | Aaron Louie | 2/24/2023 | 3/24/2023 | 4/10/2023 | CalAdvocates-Liberty-2023WMP-04_Liberty-Response_03312023.pdf (libertyutilities.com) | 1 | WMP Financials                                 | N/A   | N/A |
| CalAdvocates | 5 | CalAdvocates-Liberty-2023WMP-05 | 1  | CalAdv-05-5.1  | Provide an Excel table of all distribution circuit-segments that traverse HFTD areas (i.e., the segment has greater than zero circuit-miles in HFTD) existing as of January 1, 2023. The Excel table should list each such circuit-segment as a row and include the following information in separate columns. For items (f) and (g), please include all relevant risk scores. For example, include vegetation risk score, conductor risk score, and any other driver-specific risk scores you have developed. Please insert additional columns as needed to accommodate this. a) Name or ID number of each circuit segment<br>b) Circuit name for the circuit that each segment is part of<br>c) Circuit ID for the circuit that each segment is part of<br>d) Nominal voltage<br>e) Total circuit-miles on the circuit-segment<br>f) Overhead circuit-miles on the circuit-segment in non-HFTD Areas<br>g) Overhead circuit-miles on the circuit-segment in HFTD Tier 2<br>h) Overhead circuit-miles on the circuit-segment in HFTD Tier 3<br>i) Underground circuit-miles on the circuit-segment in non-HFTD Areas<br>j) Underground circuit-miles on the circuit-segment in HFTD Tier 2<br>k) Underground circuit-miles on the circuit-segment in HFTD Tier 3<br>l) Probability of ignition score for the circuit-segment, according to the risk model you used for your 2022 WMP filing<br>m) Consequence of ignition score for the circuit-segment, according to the risk model you used for your 2022 WMP filing<br>n) Total wildfire risk score(s) for the circuit-segment, according to the risk model you used for your 2022 WMP filing. Insert additional columns, if needed.<br>o) Power Safety Power Shutoff (PSPS) risk score for the circuit-segment, according to the risk model you used for your 2022 WMP filing<br>p) Probability of ignition score for the circuit-segment, according to the risk model you are using for your 2023-2025 WMP filing<br>q) Consequence of ignition score for the circuit-segment, according to the risk model you are using for your 2023-2025 WMP filing. | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 2."   | Aaron Louie | 2/24/2023 | 3/30/2023 | 4/10/2023 | CalAdvocates-Liberty-2023WMP-05_Liberty-Response_04102023.pdf (libertyutilities.com) | 6 | N/A  | N/A   |     |
| CalAdvocates | 5 | CalAdvocates-Liberty-2023WMP-05 | 3  | CalAdv-05-5.3  | Provide a geodatabase file containing the outputs from your current wildfire risk model (i.e., the model you are using for your 2023-2025 WMP filing) at the circuit-segment level. (This data should be equivalent to the previous question, but in GIS format.) Please provide, as line features, the most recent spatial data for all circuit segments for which your current risk model calculates circuit segment level expected risk (i.e., probability of ignition multiplied by the consequence of ignition). Include the following attributes for each circuit segment: a) Items (a) through (c) of the previous question<br>b) Items (d) through (q) of the previous question.  | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 4."   | Aaron Louie | 2/24/2023 | 3/30/2023 | 4/10/2023 | CalAdvocates-Liberty-2023WMP-05_Liberty-Response_04102023.pdf (libertyutilities.com) | 6 | N/A  | N/A   |     |
| CalAdvocates | 5 | CalAdvocates-Liberty-2023WMP-05 | 4  | CalAdv-05-5.4  | Please fill out the attached spreadsheet, CalAdvocates-Liberty-2023WMP-05_Attachment Tab 1, requesting information regarding your asset inspections in 2022.<br>In response to Data Request CalAdvocates-Liberty-2023WMP-06, Question 7, March 24, 2022, Liberty stated, "Liberty's QA/QC processes for asset inspections were developed for implementation in 2022. The QA/QC processes will be conducted in Quarter 3 and Quarter 4 of 2022 after Quarter 1 and Quarter 2 detailed inspections are completed." a) Did Liberty implement its QA/QC processes for asset inspections in the second half of 2022 as referenced in the quote above?<br>b) Please summarize the results of Liberty's asset inspection QA/QC reviews in 2022.<br>c) Did Liberty's asset inspection QA/QC reviews in 2022 lead to any corrective actions or improvements, such as performing re-inspections of certain assets, revising inspection protocols, or changing training for inspectors?<br>d) If the answer to part (c) is yes, please describe the actions that Liberty is taking as a result of its asset inspection QA/QC reviews.<br>e) If the answer to part (c) is no, please explain why not.   | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 6."   | Aaron Louie | 2/24/2023 | 3/30/2023 | 4/10/2023 | CalAdvocates-Liberty-2023WMP-05_Liberty-Response_04102023.pdf (libertyutilities.com) | 1 | Grid Design, operations, and maintenance (E.3) | 8.1.6 |     |
| CalAdvocates | 5 | CalAdvocates-Liberty-2023WMP-05 | 5  | CalAdv-05-5.5  | Liberty completed one Senior Manager Annual Review Acknowledgement form for 2022 asset inspection QA/QC activities. Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 6a."<br>Liberty completed one Senior Manager Annual Review Acknowledgement form for 2022 asset inspection QA/QC activities. Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 6b."<br>Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 5 and 6."<br>This file captures the information from the third party QA/QC inspections completed in 2022.  | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 6a."<br>Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 6b."<br>Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 5 and 6."<br>This file captures the information from the third party QA/QC inspections completed in 2022.   | Aaron Louie | 2/24/2023 | 3/30/2023 | 4/10/2023 | CalAdvocates-Liberty-2023WMP-05_Liberty-Response_04102023.pdf (libertyutilities.com) | 1 | Grid Design, operations, and maintenance (E.3) | 8.1.6 |     |
| CalAdvocates | 5 | CalAdvocates-Liberty-2023WMP-05 | 6  | CalAdv-05-5.6  | Liberty completed one Program Manager Review Acknowledgement form for 2022 asset inspection QA/QC activities. Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 6a."<br>Liberty completed one Senior Manager Annual Review Acknowledgement form for 2022 asset inspection QA/QC activities. Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 6b."<br>Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 5 and 6."<br>This file captures the information from the third party QA/QC inspections completed in 2022.  | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 6a."<br>Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 6b."<br>Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty-Response-Question 5 and 6."<br>This file captures the information from the third party QA/QC inspections completed in 2022.   | Aaron Louie | 2/24/2023 | 3/30/2023 | 4/10/2023 | CalAdvocates-Liberty-2023WMP-05_Liberty-Response_04102023.pdf (libertyutilities.com) | 1 | Grid Design, operations, and maintenance (E.3) | 8.1.6 |     |

|                       |   |                                 |   |               |   |  |   |           |           |           |  |   |  |                |     |  |  |  |  |
|-----------------------|---|---------------------------------|---|---------------|---|--|---|-----------|-----------|-----------|--|---|--|----------------|-----|--|--|--|--|
|                       |   |                                 |   |               |   | 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. Add the following information in separate columns: a) Name of the associated circuit<br>b) ID number of the associated circuit<br>c) Geographic latitude in decimal degrees, truncated to seven decimal places<br>d) Geographic longitude in decimal degrees, truncated to seven decimal places<br>e) Object/damage code or other description of defect   | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-05_Liberty Response Question 7" |           |           |           |  |   |  |                |     |  |  |  |  |
| CalAdvocates          | 5 | CalAdvocates-Liberty-2023WMP-05 | 7 | CalAdv-05-5.7 | Regarding Table 13 of the non-spatial data tables in your WMP Quarterly Data Report for Q4 of 2022: a) Do you have an internal system of identifying priority levels for corrective notifications that differs from the priority levels specified in General Order 95, Rule 18? b) If the answer to part (a) is yes, please explain your internal priority system. c) Do you ever re-inspect corrective notifications before they are resolved? d) If the answer to the part (b) is yes, under what circumstances do you conduct re-inspections?  | a) Yes.<br>b) Along with GO 95, Rule 18, Liberty uses its fire risk maps and asset condition codes to assess the prioritization of corrective actions and replacements.<br>c) Yes.<br>d) Liberty has conducted re-inspections through its detailed asset inspection program of assets that were inspected as part of its full system survey conducted in 2020. Additionally, the Job Facilitator's role may include verification of issues identified during an inspection.  | Aaron Louie   | 2/24/2023 | 3/30/2023 | 4/10/2023 | CalAdvocates-Liberty-2023WMP-05_Liberty Response_04102023.pdf (libertyutilities.com) | 8 | Grid Design, operations, and maintenance (8.1) | 8.1.6          |     |  |  |  |  |
| CalAdvocates          | 5 | CalAdvocates-Liberty-2023WMP-05 | 8 | CalAdv-05-5.8 | 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 behavior created a safety hazard for either workers or the general public. For each instance, please provide: a) The date you were informed of the safety issue  | Liberty did not experience any incidents in 2022 where the actions of a VM contractor posed a safety risk to workers or the public.  | Aaron Louie   | 2/24/2023 | 3/30/2023 | 4/10/2023 | CalAdvocates-Liberty-2023WMP-05_Liberty Response_04102023.pdf (libertyutilities.com) | 8 | Grid Design, operations, and maintenance (8.1) | 8.1.6          |     |  |  |  |  |
| CalAdvocates          | 6 | CalAdvocates-Liberty-2023WMP-06 | 1 | CalAdv-06-6.1 | b) The date that the original work that created the safety issue was performed. 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 you forecast will actually be performed in calendar year 2023. For each project, include the following information in separate columns: a) Order number.  | Refer to tab "2023" in supporting file: "CalAdvocates-Liberty-2023WMP-06_Liberty Response Questions 2 and 3."  | Aaron Louie   | 2/24/2023 | 4/19/2023 | 4/26/2023 | CalAdvocates-Liberty-2023WMP-06_Liberty Response_04262023.pdf (libertyutilities.com) | 8 | Vegetation Management and Inspections (8.2)    | 8.2.7          |     |  |  |  |  |
| CalAdvocates          | 6 | CalAdvocates-Liberty-2023WMP-06 | 2 | CalAdv-06-6.2 | 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. For each project, include the following information in separate columns: a) Order number.   | Refer to tab "2024" in supporting file: "CalAdvocates-Liberty-2023WMP-06_Liberty Response Questions 2 and 3."  | Aaron Louie   | 2/24/2023 | 4/19/2023 | 4/26/2023 | CalAdvocates-Liberty-2023WMP-06_Liberty Response_04262023.pdf (libertyutilities.com) | 8 | Grid Design, operations, and maintenance (8.1) | 8.1.2          |     |  |  |  |  |
| CalAdvocates          | 6 | CalAdvocates-Liberty-2023WMP-06 | 3 | CalAdv-06-6.3 | 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, Cal Advocates-Liberty-2023WMP-06, Attachment Tab 1. Add extra columns as needed. Note: for the purposes of this question, "line removal" refers to conductors that are permanently removed without replacement -- for instance, as part of a remote grid project. This should be understood as identical to a R3 question.   | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-06_Liberty Response Question 4"  | Aaron Louie   | 2/24/2023 | 4/19/2023 | 4/26/2023 | CalAdvocates-Liberty-2023WMP-06_Liberty Response_04262023.pdf (libertyutilities.com) | 8 | Grid Design, operations, and maintenance (8.1) | 8.1.2          |     |  |  |  |  |
| CalAdvocates          | 6 | CalAdvocates-Liberty-2023WMP-06 | 4 | CalAdv-06-6.4 | Regarding your PSPS circuit modeling capabilities: a) Please describe your present circuit modeling capabilities with regard to PSPS decision-making ("PSPS circuit modeling capabilities"), including with what level of granularity they are able to determine how circuit hardening efforts or other changes to a line segment will affect PSPS thresholds. b) Please describe any improvements to the present PSPS circuit modeling capabilities that you 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: a) Unique ignition ID b) Date of ignition c) Cause of ignition   | a) Liberty's 2023 WMP section 6.2 includes the baseline PSPS risk analyses and assessment performed at the beginning of this year by circuit. The PSPS risk decision-making framework has not been developed and the model inputs currently do not incorporate grid hardening efforts and is a static study. The decision-making framework would have to consider current PSPS thresholds affecting each circuit and any current PSPS mitigation controls in place would also need to be factored in and calculated separately to justify. Liberty did not have any ignitions in 2022 associated with assets where it had an existing corrective notification at the time of the ignition. | Aaron Louie   | 2/24/2023 | 4/19/2023 | 4/26/2023 | CalAdvocates-Liberty-2023WMP-06_Liberty Response_04262023.pdf (libertyutilities.com) | 6 | Risk Analysis Framework (6.2)                  | N/A            |     |  |  |  |  |
| CalAdvocates          | 6 | CalAdvocates-Liberty-2023WMP-06 | 5 | CalAdv-06-6.5 | a) Cause of ignition<br>b) Type of asset associated with the ignition<br>c) Date of ignition  | a) In its 2023 WMP, Liberty provides a map in Figure 5-11 showing its service territory overlaid with the Social Vulnerability Index (SVI) and its current Reax wildfire risk polygons. Liberty provides an additional map in Appendix C of its 2023 WMP showing the SVI distribution. Liberty's updated wildfire risk analysis in its 2023 WMP, and major roads. Due to increased risk modeling requirements in the Office of Energy Infrastructure Safety (OEIS) 2023-2025 WMP Technical Guidelines, Liberty did not have enough time to analyze.  | Aaron Louie   | 2/24/2023 | 4/19/2023 | 4/26/2023 | CalAdvocates-Liberty-2023WMP-06_Liberty Response_04262023.pdf (libertyutilities.com) | 8 | Grid Design, operations, and maintenance (8.1) | 8.1.2          |     |  |  |  |  |
| CalAdvocates          | 7 | CalAdvocates-Liberty-2023WMP-07 | 1 | CalAdv-07-7.1 | Page 57 of Liberty's WMP states: Survey reports produced by CAL FIRE identified 10 sub-divisions in South Lake Tahoe with no secondary egress, and one with limited egress. These sub-divisions consist mostly of single-family homes on flat land, surrounded by grass, trees, brush, and timber. In Placer County, CAL FIRE identified 21 subdivisions with no secondary egress, and three with limited egress. These areas include a mix of single-family homes, townhomes, and duplexes surrounded by similar vegetation. Page 60 of Liberty's WMP states: "Absence of standards make notification requirements and coordination for O&M activities difficult, sometimes resulting in delayed activities or their cancellation entirely." a) Please describe what methods or strategies Liberty has adopted to ameliorate the problem noted above. b) Please describe Liberty's method of maintaining accurate and up-to-date contact information for businesses and contacts in its service territory. | a) In its 2023 WMP, Liberty provides a map in Figure 5-11 showing its service territory overlaid with the Social Vulnerability Index (SVI) and its current Reax wildfire risk polygons. Liberty provides an additional map in Appendix C of its 2023 WMP showing the SVI distribution. Liberty's updated wildfire risk analysis in its 2023 WMP, and major roads. Due to increased risk modeling requirements in the Office of Energy Infrastructure Safety (OEIS) 2023-2025 WMP Technical Guidelines, Liberty did not have enough time to analyze.  | Talal Harahsheh   | 5/18/2023 | 5/23/2023 | 5/23/2023 | CalAdvocates-Liberty-2023WMP-07_Liberty Response_05232023.pdf (libertyutilities.com) | 5 | Community Values at Risk (5.4)                 | 5.4.3.2        |     |  |  |  |  |
| CalAdvocates          | 7 | CalAdvocates-Liberty-2023WMP-07 | 2 | CalAdv-07-7.2 | Page 60 of Liberty's WMP states: "Absence of standards make notification requirements and coordination for O&M activities difficult, sometimes resulting in delayed activities or their cancellation entirely." a) Please describe what methods or strategies Liberty has adopted to ameliorate the problem noted above. b) Please describe Liberty's method of maintaining accurate and up-to-date contact information for businesses and contacts in its service territory.   | a) No.<br>b) N/A<br>c) Liberty completed mitigation actions during the 2020-2022 WMP cycle in limited egress areas throughout its service territory. Mitigation actions were driven by existing decision-making processes and risk analysis that did not consider egress. For an example of mitigation actions completed during the 2020-2022 WMP cycle in limited egress areas:<br>a) Liberty uses a variety of methods for notifying customers of O&M activities:<br>• Door hangers<br>• Sign boards<br>• Mailed letters or postcards<br>• Social media posts  | Talal Harahsheh   | 5/18/2023 | 5/23/2023 | 5/23/2023 | CalAdvocates-Liberty-2023WMP-07_Liberty Response_05232023.pdf (libertyutilities.com) | 5 | Community Values at Risk (5.4)                 | 5.4.3.3        |     |  |  |  |  |
| CalAdvocates          | 7 | CalAdvocates-Liberty-2023WMP-07 | 3 | CalAdv-07-7.3 | Page 60 of Liberty's WMP states: "Absence of standards make notification requirements and coordination for O&M activities difficult, sometimes resulting in delayed activities or their cancellation entirely." a) Please describe what methods or strategies Liberty has adopted to ameliorate the problem noted above. b) Please describe Liberty's method of maintaining accurate and up-to-date contact information for businesses and contacts in its service territory.   | a) No.<br>b) Liberty is in the process of executing an MOU with TRPA. The draft MOU is currently being reviewed by TRPA legal counsel and will then be sent back to Liberty for additional review.   | Talal Harahsheh   | 5/18/2023 | 5/23/2023 | 5/23/2023 | CalAdvocates-Liberty-2023WMP-07_Liberty Response_05232023.pdf (libertyutilities.com) | 5 | Community Values at Risk (5.4)                 | 5.4.5          |     |  |  |  |  |
| CalAdvocates          | 7 | CalAdvocates-Liberty-2023WMP-07 | 4 | CalAdv-07-7.4 | Page 64 of Liberty's WMP states: Although the current approach provides significant advancements over earlier efforts, it was neither reasonable nor feasible to conduct all the calculations and analyses provided in the 2023-2025 Wildfire Mitigation Plan Technical Guidelines ("Technical Guidelines") prior to Liberty's 2023 WMP submission. Liberty, however, is committed to continuing to evolve and improve its risk modeling practices and intends to conduct the analyses and calculations.  | a) Refer to Liberty's 2023 WMP for the analysis that Liberty completed in advance of its 2023 WMP submission. Refer to the OEIS 2023-2025 Wildfire Mitigation Plan Technical Guidelines for the calculations and analysis provided in the guidelines.<br>b) OEIS released its final 2023-2025 WMP Technical Guidelines on December 6, 2022. In late January 2023, Liberty executed an agreement with Technosynva to provide wildfire risk analyses utilizing its Wildfire Risk Reduction Model ("WRM"). Liberty received its WRM analyses in February 2023. Liberty is currently working with the OEIS to integrate the WRM analyses into its 2023 WMP.                                    | Talal Harahsheh   | 5/18/2023 | 5/23/2023 | 5/23/2023 | CalAdvocates-Liberty-2023WMP-07_Liberty Response_05232023.pdf (libertyutilities.com) | 5 | Community Values at Risk (5.4)                 | 5.4.5          |     |  |  |  |  |
| CalAdvocates          | 7 | CalAdvocates-Liberty-2023WMP-07 | 5 | CalAdv-07-7.5 | Page 70 of Liberty's WMP states that social vulnerability, physical vulnerability, and coping capabilities are not factors currently included in the wildfire risk analysis though Liberty intends to incorporate these factors in its future risk modeling process. a) When Liberty eventually incorporates the factor "physical vulnerability" within future wildfire risk analyses, what attributes/characteristics would Liberty utilize to define "physical vulnerability"? b) What data does Liberty currently maintain or collect to measure physical vulnerability? Please provide an Excel sheet listing of each sustained outage that was caused by equipment failure for the period from 2020 to 2022 in any HFTD area. A sustained outage is an outage that lasts for five or more minutes. The Excel sheet should list each outage as a row, with the following information in columns: a) ID number of the circuit affected.  | a) Liberty has not determined all attributes/characteristics it will utilize to define physical vulnerability. Liberty considers Medical Baseline (MBL) and some Access and Functional Needs (AFN) customers as physically vulnerable. In future wildfire risk analysis, Liberty can assign weights to different customer categories (i.e., AFN/MBL, Commercial, Residential, Critical Facilities) based on physical vulnerability. b) Liberty maintains a list of MBL customers and self-identified AFN customers.  | Talal Harahsheh   | 5/18/2023 | 5/23/2023 | 5/23/2023 | CalAdvocates-Liberty-2023WMP-07_Liberty Response_05232023.pdf (libertyutilities.com) | 6 | Risk Methodology and Assessment                | 6              |     |  |  |  |  |
| CalAdvocates          | 7 | CalAdvocates-Liberty-2023WMP-07 | 6 | CalAdv-07-7.6 | Page 70 of Liberty's WMP states that social vulnerability, physical vulnerability, and coping capabilities are not factors currently included in the wildfire risk analysis though Liberty intends to incorporate these factors in its future risk modeling process. a) When Liberty eventually incorporates the factor "physical vulnerability" within future wildfire risk analyses, what attributes/characteristics would Liberty utilize to define "physical vulnerability"? b) What data does Liberty currently maintain or collect to measure physical vulnerability? Please provide an Excel sheet listing of each sustained outage that was caused by equipment failure for the period from 2020 to 2022 in any HFTD area. A sustained outage is an outage that lasts for five or more minutes. The Excel sheet should list each outage as a row, with the following information in columns: a) ID number of the circuit affected.  | Refer to supporting file: "CalAdvocates-Liberty-2023WMP-08_Liberty Response Question 1"  | Talal Harahsheh   | 5/18/2023 | 5/23/2023 | 5/23/2023 | CalAdvocates-Liberty-2023WMP-08_Liberty Response Question 1                          | 6 | Risk Methodology and Assessment                | 6.2            |     |  |  |  |  |
| CalAdvocates          | 8 | CalAdvocates-Liberty-2023WMP-08 | 1 | CalAdv-08-8.1 | a) Name of the circuit affected.<br>b) Date of the outage.<br>c) Please provide Liberty's Pre-submission 2023-2025 WMP Base Plan filed on March 6, 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.   | Refer to attachment: "2023-03-06_Liberty_2023_WMP_RO_Public" for Liberty's 2023 WMP pre-submission.  | Talal Harahsheh   | 5/18/2023 | 5/23/2023 | 5/23/2023 | CalAdvocates-Liberty-2023WMP-08_Liberty Response Question 1                          | 8 | Grid Design, operations, and maintenance (8.1) |                |     |  |  |  |  |
| Green Power Institute | 1 | GPI-Liberty-2023WMP-01          | 1 | GPI-01-1.1    |   |  | Gregg Morris  | 3/6/2023  | 3/9/2023  | 3/8/2023  | GPI_Liberty_2023WMP_01_Liberty Response_03082023.pdf (libertyutilities.com)          | 1 | WMP Pre-Submission                             | Administrative | N/A |  |  |  |  |