

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory	
1	Cal Advocates	2023WMP-01	2023-WMP	1	Cal Advocates 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 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.) 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).	Please refer to Attachment CalAdvocates 1.1.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/7/2023	3/7/2023	N/A	1	Attach CalAdvocates 1.1		N/A			
2	Cal Advocates	2023WMP-01	2023-WMP	2	Cal Advocates 1.2	Please provide a copy of your WMP pre-submission within two business days of its submission to Energy Safety.	Please refer to the Company's response to CalAdvocates 1.1, specifically Attachment CalAdvocates 1.1.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/8/2023	3/8/2023	N/A	N/A			N/A			
3	Cal Advocates	2023WMP-01	2023-WMP	3	Cal Advocates 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.	Please refer to Attachment CalAdvocates 1.3 for a copy of the Q4 2022 Update.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/8/2023	3/8/2023	N/A	1	Attach CalAdvocates 1.3		N/A			
4	Cal Advocates	2023WMP-01	2023-WMP	4	Cal Advocates 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.	If PacifiCorp submits confidential information in responses to discovery requests related to PacifiCorp's 2023-2025 Wildfire Mitigation Plan (WMP), issued by the Office of Energy Infrastructure Safety (OEIS) and other entities, PacifiCorp will provide a copy of confidential responses to Cal Advocates at the same time, subject, of course, to CalAdvocates treatment of the responses as confidential under California Public Utilities Code § 583 and General Order (GO) 66-D.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/14/2023	3/14/2023	N/A	N/A			N/A			
5	Cal Advocates	2023WMP-02	2023-WMP	1	Cal Advocates 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.	In 2022, internal quality assurance (QA) / quality control (QC) was performed on Vegetation Management and Asset Inspections initiatives. Please refer to Attachment CalAdvocates 2.1 which provides copies of the following vegetation management work QA/QC reports: •File "PpAuditException2022_CY2022_California_INTERNAL AUDITS" - this spreadsheet lists audit findings (exceptions) that were identified by internal audit staff who conducted post-audits of completed work.  •File "Pole Clearing Audit tracker_2022_California" - this spreadsheet identifies targeted audits of pole clearing activities in Local Responsibility Areas (LRA) conducted as part of the Wildfire Mitigation Plan (WMP); fuel management.  •For asset inspections, QA/QC conducted by internal entities are summarized in file "CA Audit Summary (2022)" and listed as "PPL" under column D "Company". Please refer to folder "Asset Inspections - PPL - Internal Audits" for copies of each audit report.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/16/2023	3/16/2023	N/A	1	Attach Cal Advocates 2.1		N/A			
6	Cal Advocates	2023WMP-02	2023-WMP	2	Cal Advocates 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.	In 2022, external quality assurance (QA) / quality control (QC) was performed on Vegetation Management and Asset Inspections initiatives. Please refer to Attachment CalAdvocates 2.2 which provides a copy of the following vegetation management work QA/QC report: •File "PpAuditException2022_CY2022_California_EXTERNAL AUDITS" - this spreadsheet lists audit findings (exceptions) that were identified by the external contractor who conducted post-audits of completed work.  •For asset inspections, QA/QC conducted by internal entities are summarized in file "CA Audit Summary (2022)" and listed as "Osmose" under column D "Company". Please refer to folder "Asset Inspections - Osmose - External Audits" for copies of each audit report.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/16/2023	3/16/2023	N/A	1	Attach Cal Advocates 2.2		N/A			
7	Cal Advocates	2023WMP-02	2023-WMP	3	Cal Advocates 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) 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 of why not. 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.	As of January 1, 2023, PacifiCorp had not received any notices of defect from the Office Energy Infrastructure Safety's (OEIS) Compliance Branch.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/16/2023	3/16/2023	N/A	N/A			N/A			

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory	
8	Cal Advocates	2023WMP-02	2023-WMP	4	Cal Advocates 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 of why not. 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.	As of January 1, 2023, PacifiCorp had not received any notices of violation from the Office of Energy Infrastructure Safety's (OEIS) Compliance Branch.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/16/2023	3/16/2023	N/A	N/A				N/A		
9	Cal Advocates	2023WMP-03	2023-WMP	1	Cal Advocates 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) Circuit SAIDI (System Average Interruption Duration Index) for 2021 j) Circuit SAIDI (System Average Interruption Duration Index) for 2022 k) Circuit SAIFI (System Average Interruption Frequency Index) for 2021 l) Circuit SAIFI (System Average Interruption Frequency Index) for 2022 m) Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2021 n) Circuit MAIFI (Momentary Average Interruption Frequency Index) for 2022 o) Total customer-minutes of de-energization on the circuit due to PSPS events in 2021 (sum of customer-minutes across all PSPS events). p) Total customer-minutes of de-energization on the circuit due to PSPS events in 2022 (sum of customer-minutes across all PSPS events). q) Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2021. r) Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2022. s) Miles of covered conductor installed in Non-HFTD in 2021.	Please refer to Attachment CalAdvocates 3.1. Note: ID# 5G76/5G77 is a new circuit therefore some metrics are not available for this circuit.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/24/2023	3/24/2023	N/A	1	Attach CalAdvocates 3.1		N/A			
10	Cal Advocates	2023WMP-03	2023-WMP	2	Cal Advocates 3.2	Provide an Excel table of all transmission 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	Please refer to Attachment CalAdvocates 3.2 which provides the requested transmission circuits data. Note: the requested data for columns AD, AH and AJ is not currently available. The Company will provide the requested data for these columns in a supplemental response during the first week of April 2023.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/28/2023	3/28/2023	N/A	1	Attach CalAdvocates 3.2		N/A			
11	Cal Advocates	2023WMP-03	2023-WMP	3	Cal Advocates 3.3	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. 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	Please refer to Attachment CalAdvocates 3.3.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/24/2023	3/24/2023	N/A	1	Attach CalAdvocates 3.3		N/A			
12	Cal Advocates	2023WMP-03	2023-WMP	4	Cal Advocates 3.4	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. 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	There were no removals, decommissioning or undergrounding of transmission circuits.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/24/2023	3/24/2023	N/A	N/A			N/A			

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
13	Cal Advocates	2023WMP-03	2023-WMP	5	Cal Advocates 3.5	For each WMP initiative listed below, please state how modeled Wildfire Risk Scores for each circuit or circuit-segment influenced where you performed work in 2022. a) Enhanced Overhang Reduction b) Dead and Dying Tree Removal c) Covered conductor installation d) Undergrounding e) Distribution pole replacement f) Grid sectionalization g) Detailed inspections of distribution assets h) Detailed inspections of transmission assets i) Aerial inspections of distribution assets j) Aerial inspections of transmission assets k) LIDAR inspections of distribution assets l) LIDAR inspections of transmission assets	In 2022, PacifiCorp leveraged a combination of California's high fire threat district (HFTD) map and the Company's internal Localized Risk Assessment Model (LRAM) to qualitatively evaluate relative risk and develop programs and inform strategies.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/24/2023	3/24/2023	N/A	N/A			N/A		
14	Cal Advocates	2023WMP-03	2023-WMP	6	Cal Advocates 3.6	For each WMP initiative listed below, please state how modeled Wildfire Risk Scores for each circuit or circuit-segment influenced how work in 2022 was sequenced. a) Enhanced Overhang Reduction b) Dead and Dying Tree Removal c) Covered conductor installation d) Undergrounding e) Distribution pole replacement f) Grid sectionalization g) Detailed inspections of distribution assets h) Detailed inspections of transmission assets i) Aerial inspections of distribution assets j) Aerial inspections of transmission assets k) LIDAR inspections of distribution assets l) LIDAR inspections of transmission assets	In 2022, PacifiCorp leveraged a combination of California's high fire threat district (HFTD) map and the Company's internal Localized Risk Assessment Model (LRAM) to qualitatively evaluate relative risk and develop programs, inform strategies and sequence the work.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/24/2023	3/24/2023	N/A	N/A			N/A		
15	Cal Advocates	2023WMP-03	2023-WMP	7	Cal Advocates 3.7	For each WMP initiative listed below, please state how modeled Wildfire Risk Scores for each circuit or circuit-segment influence where you plan to perform work in 2023. a) Enhanced Overhang Reduction b) Dead and Dying Tree Removal c) Covered conductor installation d) Undergrounding e) Distribution pole replacement f) Grid sectionalization g) Detailed inspections of distribution assets h) Detailed inspections of transmission assets i) Aerial inspections of distribution assets j) Aerial inspections of transmission assets k) LIDAR inspections of distribution assets l) LIDAR inspections of transmission assets	For projects scheduled to be implemented in 2023, PacifiCorp leveraged a combination of California's high fire threat district (HFTD) map and the Company's internal Localized Risk Assessment Model (LRAM) to qualitatively evaluate relative risk and develop programs and inform strategies. In Q4 2022, the Company received it's Wildfire Risk Reduction Model (WRRM) from Technosylva and has begun incorporating output for the calculation of wildfire risk scores for each circuit for work planning purposes in line with the new 2023-2025 Wildfire Mitigation Plan (WMP) guidelines from California Office of Energy Infrastructure Safety (OEIS). The Company expects this new risk calculation to be completed by the end of 2023 to begin informing mitigations in 2024.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/24/2023	3/24/2023	N/A	N/A			N/A		
16	Cal Advocates	2023WMP-03	2023-WMP	8	Cal Advocates 3.8	For each WMP initiative listed below, please state how modeled Wildfire Risk Scores for each circuit or circuit-segment influence how work in 2023 will be sequenced. a) Enhanced Overhang Reduction b) Dead and Dying Tree Removal c) Covered conductor installation d) Undergrounding e) Distribution pole replacement f) Grid sectionalization g) Detailed inspections of distribution assets h) Detailed inspections of transmission assets i) Aerial inspections of distribution assets j) Aerial inspections of transmission assets k) LIDAR inspections of distribution assets l) LIDAR inspections of transmission assets	For projects scheduled to be implemented in 2023, PacifiCorp leveraged a combination of California's high fire threat district (HFTD) map and the Company's internal Localized Risk Assessment Model (LRAM) to qualitatively evaluate relative risk and develop programs and inform strategies. In Q4 2022, the Company received it's Wildfire Risk Reduction Model (WRRM) from Technosylva and has begun incorporating output for the calculation of wildfire risk scores for each circuit for work planning purposes in line with the new 2023-2025 Wildfire Mitigation Plan (WMP) guidelines from California Office of Energy Infrastructure Safety (OEIS). The Company expects this new risk calculation to be completed by the end of 2023 to begin informing mitigations in 2024.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/24/2023	3/24/2023	N/A	N/A			N/A		
17	Cal Advocates	2023WMP-03	2023-WMP	9	Cal Advocates 3.9	For each WMP initiative listed below, please state how modeled Wildfire Risk Scores for each circuit or circuit-segment influence where you plan to perform work in 2024. a) Enhanced Overhang Reduction b) Dead and Dying Tree Removal c) Covered conductor installation d) Undergrounding e) Distribution pole replacement f) Grid sectionalization g) Detailed inspections of distribution assets h) Detailed inspections of transmission assets i) Aerial inspections of distribution assets j) Aerial inspections of transmission assets k) LIDAR inspections of distribution assets l) LIDAR inspections of transmission assets	In 2024, PacifiCorp will leverage its Wildfire Risk Reduction Model (WRRM) from Technosylva coupled with internal analysis / subject matter experts to generate operational risk scores per circuit to inform planned work.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/24/2023	3/24/2023	N/A	N/A			N/A		

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
18	Cal Advocates	2023WMP-03	2023-WMP	10	Cal Advocates 3.10	For each WMP initiative listed below, please state how modeled Wildfire Risk Scores for each circuit or circuit-segment influence how work in 2024 will be sequenced.	In 2024, PacificCorp will leverage its Wildfire Risk Reduction Model (WRRM) from Technosylva coupled with internal analysis / subject matter experts to generate operational risk scores per circuit to inform sequenced work plans.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	3/24/2023	3/24/2023	N/A	N/A			N/A		
						a) Enhanced Overhang Reduction b) Dead and Dying Tree Removal c) Covered conductor installation d) Undergrounding e) Distribution pole replacement f) Grid sectionalization g) Detailed inspections of distribution assets h) Detailed inspections of transmission assets i) Aerial inspections of distribution assets j) Aerial inspections of transmission assets k) LIDAR inspections of distribution assets l) LIDAR inspections of transmission assets												
19	Cal Advocates	2023WMP-04	2023-WMP	1	Cal Advocates 4.1	For any WMP initiative for which you forecast capital expenditures in 2023 to be at least two times actual capital expenditures in 2022, please provide:	(a) 1.Expulsion fuse replacement 2.Public emergency communication strategy (b) 1.GH-05 2.EP-03 (c) 1.Expulsion fuse replacement 2.Customer support in emergencies (d) 1.7.3.3.7 2.7.3.9.2 (e) 1.The expulsion fuse replacement forecast for 2023 is significantly higher than the number of expulsion fuse replacements in 2022. Pacific Power also experienced an increase in unit cost for fuse replacement over plan. 2.Advancements to Pacific Power's existing Public Safety Partner portal were delayed in 2022 due to contractor resource constraints. Project scope is still expected to occur. Consequently, scope and cost have shifted into 2023.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	5/9/2023	5/10/2023	N/A	N/A			N/A		
						a) The name of the initiative as it is identified in your 2023-2025 WMP b) The WMP Initiative number in Table 11 of your 2023-2025 WMP c) The name of the initiative as it is identified in your 2022 WMP Update d) The WMP Initiative number in Table 12 of your 2022 WMP Update e) An explanation for the projected increase.												
20	Cal Advocates	2023WMP-04	2023-WMP	2	Cal Advocates 4.2	For any WMP initiative for which you forecast capital expenditures in 2024 to be at least two times actual capital expenditures in 2022, please provide:	Not applicable. There are no initiatives with capital expenditures in 2024 more than twice that which was reported for 2022.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	5/9/2023	5/10/2023	N/A	N/A			N/A		
						a) The name of the initiative as it is identified in your 2023-2025 WMP b) The WMP Initiative number in Table 11 of your 2023-2025 WMP c) The name of the initiative as it is identified in your 2022 WMP Update d) The WMP Initiative number in Table 12 of your 2022 WMP Update e) An explanation for the projected increase.												
21	Cal Advocates	2023WMP-04	2023-WMP	3	Cal Advocates 4.3	For any WMP initiative for which you forecast operating expenditures in 2023 to be at least two times actual operating expenditures in 2022, please provide:	(a) 1.Public emergency communication strategy 2.Transmission Detail Inspections 3.Vegetation Inspections: Patrol Inspection – Transmission 4.Wildfire Mitigation Strategy Development (b) 1.EP-03 2.AI-03 3.VM-04 4.WP-01 (c) 1.Customer support in emergencies 2.Detailed inspections of transmission electric lines and equipment 3.Patrol inspections of vegetation around transmission electric lines and equipment 4.Centralized Repository for Data (d) 1.7.3.9.2 2.7.3.5.3 3.7.3.5.12 4.5.3.7 (e) 1.Advancements to Pacific Power's existing Public Safety Partner portal were delayed in 2022 due to contractor resource constraints. Project scope is still expected to occur. Consequently, scope and cost have shifted into 2023. 2.Transmission detail inspections are cyclical in nature. More inspections are	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	5/9/2023	5/10/2023	N/A	N/A			N/A		
						a) The name of the initiative as it is identified in your 2023-2025 WMP b) The WMP Initiative number in Table 11 of your 2023-2025 WMP c) The name of the initiative as it is identified in your 2022 WMP Update d) The WMP Initiative number in Table 12 of your 2022 WMP Update e) An explanation for the projected increase.												

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory	
22	Cal Advocates	2023WMP-04	2023-WMP	4	Cal Advocates 4.4	For any 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 b) The WMP initiative number in Table 11 of your 2023-2025 WMP c) The name of the initiative as it is identified in your 2022 WMP Update d) The WMP initiative number in Table 12 of your 2022 WMP Update e) An explanation for the projected increase.	(a) 1.Transmission Detail Inspections 2.Wildfire Mitigation Strategy Development (b) 1.AI-03 2.WP-01 (c) 1.Detailed inspections of transmission electric lines and equipment 2.Centralized Repository for Data (d) 1.7.3.5.3 2.5.3.7 (e) 1.Like 2023, transmission detail inspections are cyclical in nature and more inspections occur in some years than in others. As a result, the forecast shows an increase in spend from what was reported in 2022. 2.Spending on this program includes expenditures associated with a centralized team to manage program delivery. Work orders and tracking were set up in 2022 and only a portion of the costs were captured under these new work orders. While the work was completed as planned, only a fraction of the costs was captured for reporting in this way. Moving forward, Pacific Power intends to fully capture these costs throughout the year to better reflect actuals.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	5/9/2023	5/10/2023	N/A	N/A			N/A			
23	Cal Advocates	2023WMP-04	2023-WMP	5	Cal Advocates 4.5	On p. 142 of PacifiCorp's 2022 WMP update, PacifiCorp states: PacifiCorp has encountered challenges related to limited field resources, particularly as it related to construction activities. The business plans to address these challenges through the hiring on [sic] additional contractors, as described in Section 9.3 starting on page 255. a) Which specific wildfire mitigation initiatives do you expect to be adversely impacted in 2023-2024 by the resource challenges referenced in the above quote? b) If any, identify any efficiency gains or technology that PacifiCorp will deploy in 2023-2024 to lessen the adverse impact of resource constraints. c) Please describe what progress PacifiCorp made at hiring additional contractors (to address the challenges noted in the quote above) in May through December 2022. d) If your response to the previous part indicates that PacifiCorp has hired additional contractors, please explain which WMP initiatives these contractors will support. e) In May through December 2022, did PacifiCorp hire additional in-house personnel to alleviate the resource constraints described in the quote above? f) If your response to the previous part indicates that PacifiCorp has hired additional personnel, please explain which WMP initiatives these contractors will support	The Company assumes that the reference in subpart (d) "response to the previous part" is intended to be a reference to the Company's response to subpart (c), and that the reference in subpart (f) "response to the previous part" is intended to be a reference to the Company's response to subpart (e). Based on the foregoing assumptions, the Company responds as follows:  (a)PacifiCorp continues to have challenges obtaining resources for the following grid hardening initiatives:  1.Distribution pole replacement and reinforcement, including with composite poles, 2.Installation of system automation equipment, 3.Covered conductor installation, and 4.Expulsion fuse replacement.  To address these challenges, PacifiCorp initiated a request for proposals (RFP) in 2022 to bring on a contracted partner (Section 9.3 of the 2022 Wildfire Mitigation Plan (WMP)). In 2023, PacifiCorp plans to finalize this RFP and continues to work toward bringing on new contracted resources to support the following initiatives: distribution pole replacement and reinforcement, including with composite poles; installation of system automation equipment; and covered conductor installation. (b)PacifiCorp has gained efficiencies by leveraging light detection and ranging (LIDAR) instead of field staff to gather existing line configuration information. This approach provides more information on the existing location of the line to be rebuilt and better identification of ground and clearance to other objects that can be difficult to capture with field personnel. PacifiCorp has also recognized that it does not have	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	5/9/2023	5/10/2023	N/A	N/A				N/A		
24	Cal Advocates	2023WMP-05	2023-WMP	1	Cal Advocates 5.1	a) 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? b) If the answer to part (a) is yes, please describe how you identify such transportation corridors. c) If available, please provide a geospatial data file that contains all current identified transportation corridors with ingress and egress hazards.	(a)No. Pacific Power has not identified transportation corridors within its service territory where falling or falling lines or poles could limit egress or ingress during an emergency.  (b)Not Applicable.  (c)Not Applicable.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/3/2023	4/3/2023	N/A	N/A			N/A			

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
25	Cal Advocates	2023WMP-05	2023-WMP	2	Cal Advocates 5.2	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 (n) and (r), 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) Circuit name for the circuit that each segment is part of b) Circuit ID for the circuit that each segment is part of c) Name or ID number of each circuit segment d) Nominal voltage e) Total circuit-miles on the circuit-segment f) Overhead circuit-miles on the circuit-segment in non-HFTD Areas g) Overhead circuit-miles on the circuit-segment in HFTD Tier 2 h) Overhead circuit-miles on the circuit-segment in HFTD Tier 3 i) Underground circuit-miles on the circuit-segment in non-HFTD Areas j) Underground circuit-miles on the circuit-segment in HFTD Tier 2 k) Underground circuit-miles on the circuit-segment in HFTD Tier 3 l) Probability of ignition score for the circuit-segment, according to the risk model you used for your 2022 WMP filing m) Consequence of ignition score for the circuit-segment, according to the risk model you used for your 2022 WMP filing n) Total wildfire risk score(s) for the circuit-segment, according to the risk model you used for your 2022 WMP filing	Please refer to Attachment CalAdvocates 5.2 which provides the data to requested in subparts (a) through (k) of this data request. PacifiCorp does not have data for subparts (l) through (s) because the risk assessment tools are currently being developed as part of the 2023-2025 Wildfire Mitigation Plan. PacifiCorp does not anticipate having circuit and power safety power shutoff (PSPS) risk scoring components completed until end of 2024year.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/3/2023	4/3/2023	N/A	1	Attach CalAdvocates 5.2	N/A			
26	Cal Advocates	2023WMP-05	2023-WMP	3	Cal Advocates 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: • Items (a) through (c) of the previous question • Items (n) through (s) of the previous question	The Company assumes that the references to "the previous question" are intended to be references to CalAdvocates Data Request 5.2. Based on the foregoing assumption, the Company responds as follows: •Please refer to Attachment CalAdvocates 5.3 which provides the geodatabase file outputs for subparts (a) through (c) of CalAdvocates Data Request 5.2.  •PacifiCorp does not have a geodatabase file for subparts (p) through (s) of CalAdvocates Data Request 5.2. Please refer to the Company's response to CalAdvocates Data Request 5.2 for an explanation.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/3/2023	4/3/2023	N/A	1	Attach CalAdvocates 5.3	N/A			
27	Cal Advocates	2023WMP-05	2023-WMP	4	Cal Advocates 5.4	Please fill out the attached spreadsheet, CalAdvocates-PacifiCorp-2023WMP-05-Attachment, requesting information regarding your asset inspections in 2022.	Please refer to Attachment CalAdvocates 5.4.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/3/2023	4/3/2023	N/A	1	Attach CalAdvocates 5.4	N/A			
28	Cal Advocates	2023WMP-05	2023-WMP	5	Cal Advocates 5.5	Table 13 of the non-spatial data tables in the WMP Quarterly Data Report for Q4 of 2022 reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. Why is Table 13 blank in your WMP Quarterly Data Report for Q4 of 2022? Table 13 of the non-spatial data tables in the WMP Quarterly Data Report for Q4 of 2022 reports asset-related corrective notifications on electric circuits that were open at the end of the quarter.	Please refer to Attachment CalAdvocates 5.5 which provides a copy of the revised Q4 2022 Quarterly Data Report (QDR) with data for Table 13 now included.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/3/2023	4/3/2023	N/A	1	Attach CalAdvocates 5.5	N/A			
29	Cal Advocates	2023WMP-05	2023-WMP	6	Cal Advocates 5.6	Table 13 of the non-spatial data tables in the WMP Quarterly Data Report for Q4 of 2022 reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. a) Please complete Table 13 in the WMP Quarterly Data Report for Q4 of 2022. b) Please augment Table 13 in the WMP Quarterly Data Report for Q4 of 2022 with the addition of the following information in separate columns: i. Name of the associated circuit ii. ID number of the associated circuit iii. Geographic latitude in decimal degrees, truncated to seven decimal places iv. Geographic longitude in decimal degrees, truncated to seven decimal places v. Object/damage code or other internal PacifiCorp description of defect	a)Please refer to the Company's response to CalAdvocates Data Request 5.5, specifically Attachment CalAdvocates 5.5.  b)Please refer to the Company's response to CalAdvocates Data Request 5.5, specifically Attachment CalAdvocates 5.5.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/3/2023	4/3/2023	N/A	N/A		N/A			
30	Cal Advocates	2023WMP-06	2023-WMP	1	Cal Advocates 6.1	Provide your workplan that describes where you will undertake Enhanced Overhang Protection on circuits 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: a) Circuit name b) Circuit ID number c) Circuit-segment name d) Circuit-segment ID number e) Circuit-mileage to be completed in 2023 f) Risk ranking of circuit-segment	Please refer to Attachment CalAdvocates 6.1. Note: The enhanced overhang reduction project will be implemented within the allocated budget, and the volume of work conducted will be a function of the cost per mile realized.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/24/2023	4/24/2023	N/A	1	Attach CalAdvocates 6.1		8 Wildfire Mitigations	8.2.3 Vegetation and Fuels Management	8.2.3.2 Clearance
31	Cal Advocates	2023WMP-06	2023-WMP	2	Cal Advocates 6.2	Provide your workplan that describes where you will undertake Enhanced Overhang Protection on circuits 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: a) Circuit name b) Circuit ID number c) Circuit-segment name d) Circuit-segment ID number e) Circuit-mileage to be completed in 2024 f) Risk ranking of circuit-segment	Please refer to the Company's response in CalAdvocates Data Request 6.1. PacifiCorp's enhanced overhang reduction project will be implemented in 2023 (e.g., trees worked, and overhang clearances increased). In 2024, PacifiCorp will assess the work (e.g., visually inspect trees where this enhanced overhang reduction was implemented). No additional overhang removal is currently planned in 2024 associated with this project.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/24/2023	4/24/2023	N/A	N/A		8 Wildfire Mitigations	8.2.3 Vegetation and Fuels Management	8.2.3.2 Clearance	

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory	
32	Cal Advocates	2023WMP-06	2023-WMP	3	Cal Advocates 6.3	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. For each instance, please provide: a) The date you were informed of the safety issue b) The date that the original work that created the safety issue was performed c) Whether the safety issue concerned a transmission or distribution circuit d) The vegetation management initiative involved in the original work e) A brief description of the safety issue involved	In PacifiCorp's service territory in California, there were no safety incidents reported by PacifiCorp's vegetation management contractors in 2022 where a contractor's actions created a safety hazard for either workers or the general public.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/24/2023	4/24/2023	N/A	N/A			N/A	N/A	N/A	
33	Cal Advocates	2023WMP-06	2023-WMP	4	Cal Advocates 6.4	On p. 197 of PacifiCorp's 2022 WMP update, PacifiCorp describes its audit process where: PacifiCorp currently uses internal staff with ISA certifications to conduct post-work audits of routine maintenance, readiness patrol corrective actions, and pole clearing. PacifiCorp also conducts ad hoc tree crew audits or crew visits where a PacifiCorp forester engages with the vegetation management contractor, such as a crew leader, and/or supervisor to review work and/or discuss opportunities for improvement. a) How many ad hoc tree crew audits were conducted in 2022? b) Please disaggregate the figure in part (a) by HFTD tier. c) Were HFTD areas prioritized over other areas for ad hoc tree crew audits in 2022? d) How many ad hoc tree crew audits in 2022 found that corrective action was needed? e) How many supplemental tree trimming or removal jobs occurred in 2022 as a result of an ad hoc tree crew audit? f) Please describe PacifiCorp's process for making improvements after an ad hoc tree crew audit, including whether ad hoc tree crew audits lead to supplemental tree trimming/removal, retraining of contractors, process changes, or all of the above.	(a)PacifiCorp conducted crew visits in 2022, however, the Company does not currently track the visits in a centralized manner and therefore the requested information is not readily available. In Q4 2022, PacifiCorp developed a form within its mobile data management software to document crew visits which will be used in 2023.  (b)Please refer to the Company's response subpart (a) above. The requested information is not readily available.  (c)In general, PacifiCorp prioritizes crew visits in High Fire Threat Districts (HFTD) areas over non-HFTD areas.  (d)Please refer to the Company's response to subpart (a) above. The requested information is not readily available.  (e)Please refer to the Company's response to subpart (a) above. The requested information is not readily available.  (f)When the PacifiCorp forester completes a crew visit, the results and opportunities for improvement are discussed with the contractor representatives who are present. If exceptions to work are identified, the tree crews are dispatched to correct the condition noted. Crew visits serve as an informal on the job review and training (or discussion) relating to the opportunities for improvement that the PacifiCorp forester identified.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/24/2023	4/24/2023	N/A	N/A				N/A	N/A	N/A
34	Cal Advocates	2023WMP-06	2023-WMP	5	Cal Advocates 6.5	On p. 197 of PacifiCorp's 2022 WMP update, PacifiCorp describes its audit process where: PacifiCorp currently uses internal staff with ISA certifications to conduct post-work audits of routine maintenance, readiness patrol corrective actions, and pole clearing. PacifiCorp also conducts ad hoc tree crew audits or crew visits where a PacifiCorp forester engages with the vegetation management contractor, such as a crew leader, and/or supervisor to review work and/or discuss opportunities for improvement. g) How many post-work audits as described in the quote above were conducted in 2022? h) Please disaggregate the figure in part (a) by HFTD tier. i) Were HFTD areas prioritized over other areas for post-work audits in 2022? j) How many post-work audits in 2022 (answered in part (a) above) found that corrective action was needed? k) How many supplemental tree trimming or removal jobs occurred in 2022 as a result of a post-work audit? l) Please describe PacifiCorp's process for making improvements after a post work audit as described in the quote above, including whether post-work audits lead to supplemental tree trimming/removal, retraining of contractors, process changes, or all of the above.	(a)PacifiCorp conducted 79 post audits listed as follows:  1.Routine maintenance distribution (interim and cycle): 38 (number of lines where post audits occurred).  2.Annual inspection (distribution and transmission): 33.  3.Routine maintenance transmission: 8.  (b)Referencing the Company's response to subpart (a) above, the Company advises the following:  1.Tier 2: 43.  2.Tier 3: 2.  (c)Yes.  (d)Out of the 79 distribution and transmission lines audited, 58 lines were found with corrective actions identified.  (e)As a result of post-audits, 5,542 corrective actions were identified. Corrective actions include both pruning and removal and include actions requested by PacifiCorp that are not indicative of contractor performance (e.g., a tree that started to decline	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/24/2023	4/24/2023	N/A	N/A				N/A	N/A	N/A

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
35	Cal Advocates	2023WMP-06	2023-WMP	6	Cal Advocates 6.6	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. For each project, include the following information in separate columns, at a minimum: a) Order number b) Program c) Circuit ID number d) Circuit-segment name or ID number (if the project affects more than one circuit-segment, please identify each one) e) Relevant wildfire risk score(s) from the wildfire risk model that you are using to estimate distribution risk in your 2023-2025 WMP filing f) The expected or actual start date of the project g) The expected completion date of the project h) Length (in circuit miles) of covered conductor to be installed in 2023 i) Length (in circuit miles) of underground conductor to be installed in 2023 j) 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 part due to differing overhead and underground routes) k) Length (in circuit miles) of overhead conductor to be permanently removed in 2023 and not replaced with covered conductor or underground conductor) l) Length (in circuit miles) of any other type of system hardening project to be installed	Please refer to Attachment CalAdvocates 6.6.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/24/2023	4/24/2023	N/A	1	Attach CalAdvocates 6.6		8 Wildfire Mitigations	8.1 Grid Designs, Operations, and Maintenance	8.1.2 Grid Design and System Hardening
36	Cal Advocates	2023WMP-06	2023-WMP	7	Cal Advocates 6.7	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, at a minimum: a) Order number b) Program c) Circuit ID number d) Circuit-segment name or ID number (if the project affects more than one circuit-segment, please identify each one) e) Relevant wildfire risk score(s) from the wildfire risk model that you are using to estimate distribution risk in your 2023-2025 WMP filing f) The expected or actual start date of the project g) The expected completion date of the project h) Length (in circuit miles) of covered conductor to be installed in 2024 i) Length (in circuit miles) of underground conductor to be installed in 2024 j) 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 part due to differing overhead and underground routes) k) Length (in circuit miles) of overhead conductor to be permanently removed in 2024 and not replaced with covered conductor or underground conductor) l) Length (in circuit miles) of any other type of system hardening project to be installed	Please refer to Attachment CalAdvocates 6.7.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/24/2023	4/24/2023	N/A	1	Attach CalAdvocates 6.7		8 Wildfire Mitigations	8.1 Grid Designs, Operations, and Maintenance	8.1.2 Grid Design and System Hardening
37	Cal Advocates	2023WMP-06	2023-WMP	8	Cal Advocates 6.8	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-PacifiCorp-2023WMP-06-Attachment. Add 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. "Line removal" should be understood to be identical to part (k) of questions 6 and 7 above.	Please refer to Attachment CalAdvocates 6.8.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	5/9/2023	5/3/2023	N/A	1	Attach CalAdvocates 6.8		N/A	N/A	N/A



Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
38	Cal Advocates	2023WMP-06	2023-WMP	9	Cal Advocates 6.9	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): a) Project ID number or other identifier b) Circuit ID c) ID of each circuit segment that was entirely undergrounded in the project d) ID of each circuit segment that was partially undergrounded in the project e) County or counties where undergrounding took place f) Project start date g) Project completion date h) Total circuit-miles undergrounded i) Total miles of trenching required j) Total life-cycle electric costs of the project (i.e., costs attributed to your electric facilities), including costs for planning, design, permitting, and construction k) Total life-cycle costs of the project, including costs attributed to non-electric utilities, including costs for planning, design, permitting, and construction l) Whether this was a Rule 20 project (yes/no) m) Whether this was a WMP project (yes/no) n) Whether this was a post-wildfire rebuild project (yes/no) o) Whether you shared trenches for this project with any telecommunications utilities (yes/no) p) Whether you shared trenches for this project with gas facilities (yes/no).	Please refer to Attachment CalAdvocates 6.9.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/24/2023	4/24/2023	N/A	1	Attach CalAdvocates 6.9		N/A	N/A	N/A
39	Cal Advocates	2023WMP-06	2023-WMP	10	Cal Advocates 6.10	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 location, please provide the following attributes for each project: a) Project ID number or other identifier, matching part (a) of the previous question b) Circuit ID c) Project completion date.	Please refer to Attachment CalAdvocates 6.10-1 and Attachment CalAdvocates 6.10-2.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/24/2023	4/24/2023	N/A	1	Attach CalAdvocates 6.10		N/A	N/A	N/A
40	Cal Advocates	2023WMP-06	2023-WMP	11	Cal Advocates 6.11	Question 11 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 d) Type of asset associated with the ignition e) Acres burned f) Number of structures burned, if any g) Number of injuries associated with ignition, if any h) Asset ID of asset associated with ignition i) Circuit ID number of circuit associated with ignition j) Notification number(s) for the existing maintenance tag on the asset in question. k) Priority level of the existing corrective notification on the asset in question	Please refer to Attachment CalAdvocates 6.11.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/24/2023	5/2/2023	N/A	1	Attach CalAdvocates 6.11		N/A	N/A	N/A
41	Cal Advocates	2023WMP-06	2023-WMP	12	Cal Advocates 6.12	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 expect to implement in 2023. c) Please describe any improvements to the present PSPS circuit modeling capabilities that you expect to implement in 2024. d) Please describe the expected state of your PSPS circuit modeling capabilities at the conclusion of the 2023-2025 WMP cycle.	(a) Twice per day, PacifiCorp's Weather Research and Forecasting (WRF) generates a four-day, hourly weather and the National Fire Danger Rating System (NFDRS) forecast at 2 kilometer (km) resolution across its entire service territory, including for each of its 2,683 circuit Zones of Protection (ZOP) in California. For each ZOP, several key forecast variables are further converted to a percentile based on a partially completed 30-year WRF reanalysis (2013 through 2021), including the daily maximum wind gust forecast, daily maximum Energy Release Component (ERC), daily minimum dead fuel moisture (one, 10, 100, and 1,000 hour), and daily maximum Hot-Dry-Windy index. In addition, PacifiCorp subscribes to Technosylva's Wildfire Analyst-Enterprise (WFA-E). WFA-E generates three-hourly wildfire potential and consequence forecasts for each of PacifiCorp's ZOPs in California.  (b) In 2023, the WRF forecast percentiles described above will be updated to incorporate the full 30-year WRF reanalysis (1991 through 2021). Further, as part of planned WFA-E updates, Technosylva will be implementing a new Fire Potential Index (FPI) (~1 km resolution) for PacifiCorp which quantifies wildfire potential based on the forecast and historical data. Additionally, WFA-E will include a new circuit-level wind-related outage forecast that converts PacifiCorp's daily operational WRF wind forecasts into the probability of an outage using recently generated fragility curves. The fragility curves are unique to each circuit and were derived from an analysis of past wind-related outages and a portion of PacifiCorp's 30-year WRF reanalysis (2013 through 2021). The above improvements gives PacifiCorp the data it needs to identify wind-related outage and wildfire risks for each circuit days in advance. It is the intersection of these two risks that may require the use of public safety power shutoff (PSPS) events.	Charles Madison Carolyn Chen Marybelle Ang	2/27/2023	4/24/2023	4/24/2023	N/A	N/A			6 Risk Methodology and Assessment	6.2 Risk Analysis Framework	6.2.1 Risk and Component Identification
42	GPI	2023WMP-01	2023-WMP	1	GPI 1.1	Please provide PacifiCorp'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 1.7	Please refer to Attachment GPI 1.	Gregg Morris Zoë Harrold	3/6/2023	3/9/2023	3/8/2023	N/A	1	Attach GPI 1		N/A		

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory	
43	Cal Advocates	2023WMP-03	2023-WMP	2	Cal Advocates 3.2	Provide an Excel table of all transmission 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	Further to the Company's response to CalAdvocates Data Request 3.2 dated March 28, 2022, the Company provides the following supplemental response to update the previously provided attachment to include the requested data in columns AD, AH and A.  Please refer to Attachment CalAdvocates 3.2 1st Supplemental	Charles Madison Carolyn Chen Marybelle Ang			3/31/2023	N/A	1	Attach CalAdvocates 3.2 1st SUPP		N/A			
44	Cal Advocates	2023WMP-07	2023-WMP	1	Cal Advocates 7.1	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. b) Name of circuit affected. c) Date of the outage. d) Cause of the outage. e) Conductor type at the location where the fault occurred (e.g., overhead (OH) bare conductor, overhead covered conductor, underground (UG) cable). f) For all equipment failure outages, please state the specific type of failure (i.e. OH transformers failure, cross arms, UG transformer failure, cable failure, conductor failure etc.). g) The outage duration in minutes. h) Total number of customers impacted.	Please refer to Attachment CalAdvocates 7.1	Charles Madison Carolyn Chen Marybelle Ang	5/18/2023	5/26/2023	5/25/2023	N/A	1	Attach CalAdvocates 7.1.xlsx		N/A			
45	Cal Advocates	2023WMP-08	2023-WMP	1	Cal Advocates 8.1	PacifiCorp's Quarterly Data Report for the 1st quarter of 2023, filed with Energy Safety on May 2, 2023 (Excel spreadsheet named "PC_2023_Q1_Tables1-15_R0.xlsx") (hereinafter Q1 2023 QDR).  Also PacifiCorp's Quarterly Data Report for the 4th quarter of 2022, filed with Energy Safety on March 6, 2023 (Excel spreadsheet named "PC_2022_Q4_Tables1-15_R1.xlsx") (hereinafter Q4 2022 QDR).  In the "Table 5" tab, PacifiCorp reports the quarterly number of risk events from Q1 2022 through Q1 2023. However, the values under the 2022 columns4 are exactly the same values PacifiCorp reported for 2021 in its Q4 2022 QDRS. (See attachment 1)  (a)Please provide a revised Q1 2023 QDR that contains the corrected values for risk events that occurred in each quarter of 2022.	(a)Please refer to Attachment CalAdvocates 8.1.	Charles Madison Carolyn Chen Marybelle Ang	5/25/2023	5/31/2023	5/31/2023	N/A	1	Attach CalAdvocates 8.1		N/A			
46	Cal Advocates	2023WMP-08	2023-WMP	2	Cal Advocates 8.2	PacifiCorp's Q1 2023 QDR - In the "Table 2" tab of the Q1 2023 QDR, PacifiCorp reports the median hours for "Time between level 1 asset inspection and resulting maintenance activity" in its HFTD areas. The values are summarized in the table below.  AreaHoursDays HFTD Tier 369629.0 HFTD Tier 242017.5 Non HFTD33614.0  According to General Order 95, utilities must "[t]ake action immediately, either by fully repairing the condition, or by temporarily repairing and reclassifying the condition to a lower priority."  (a)Please provide an explanation for the substantial amount of time it took PacifiCorp to address level 1 asset corrective findings in its HFTD Tier 3 areas.  (b)Please provide an explanation for the substantial amount of time it took PacifiCorp to address level 1 asset corrective findings in its HFTD Tier 2 areas.  (c)Please provide an explanation why HFTD Tier 3 level 1 asset findings take longer	The Company utilizes internal procedure (Procedure 069) that outlines the conditions being assessed during the inspection process. This procedure assigns a priority level to each condition being found. The Company designates level 1 Safety Hazards as specified by General Order (GO) 95 as A conditions. Depending on the severity of the A condition it can be defined as an imminent danger which has an imminent risk to safety or reliability. When a condition is found to be an imminent danger during inspection, local operations is notified immediately, and the inspector does not leave the site until the condition has been addressed. Based on the Company's facility point inspection (FPI) mainframe limitations, these conditions get recorded as A conditions with correction timeframes within one day, however in reality the correction timeframes are much sooner.  The data provided in Table 2 of PacifiCorp's Q1 2023 Quarterly Data Report (QDR) includes the correction time for all conditions that were designated as an A condition per Company Procedure 069. The Company's internal Policy 192 requires A conditions that are imminent dangers to be corrected immediately. For any A conditions that are not imminent dangers, the policy allows for up to 30 days.	Charles Madison Carolyn Chen Marybelle Ang	5/25/2023	5/31/2023	5/31/2023	N/A				N/A			

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory	
47	Cal Advocates	2023WMP-08	2023-WMP	3	Cal Advocates 8.3	PacifiCorp's Q1 2023 QDR. In the "Table 2" tab of the Q1 2023 QDR, PacifiCorp reports the median hours for "Time between level 1 asset inspection and resulting maintenance activity" in its HFTD areas.  (a)For level 1 asset corrective findings in HFTD Tier 3 areas in this quarter, the "resulting maintenance activity" occurred at a median of 696 hours after the inspection finding. Did PacifiCorp take interim actions prior to that maintenance to remediate the immediate safety hazards? Please explain your response.  (b)For level 1 asset corrective findings in HFTD Tier 2 areas in this quarter, the "resulting maintenance activity" occurred at a median of 420 hours after the inspection finding. Did PacifiCorp take interim actions prior to that maintenance to remediate the immediate safety hazards? Please explain your response.  (c)Please describe PacifiCorp's internal standards or protocols for remediating level 1 findings in compliance with the General Order 95 requirement to "take action immediately".	Please refer to the Company's response to CalAdvocates Data Request 8.2.	Charles Madison Carolyn Chen Marybelle Ang	5/25/2023	5/31/2023	5/31/2023	N/A					N/A		
48	Cal Advocates	2023WMP-08	2023-WMP	4	Cal Advocates 8.4	Please provide a list of all Q1 2023, HFTD Tier 3, level 1, asset corrective work orders in a spreadsheet that lists each work order as a row and has the following columns.  (a)Work Order Number, (b)Work Order Description, (c)Equipment Type, (d)Circuit ID number, (e)Line Type (Distribution or Transmission), (f)Date of Asset Inspection, (g)Date the work order was originally opened, (h)Due Date of the original work order, (i)Geographic latitude of the work order in decimal degrees, truncated to seven decimal places, (j)Geographic longitude of the work order in decimal degrees, truncated to seven decimal places, (k)Date(s) the work order was reinspected or modified (if applicable), (l)Due date of the work order after it was reinspected or modified (if applicable), (m)Priority of the work order after it was reinspected or modified (if applicable), (n)Reason for reinspection (if applicable), and (o)Date the work order (original or reclassified) was completed	Please refer to Attachment CalAdvocates 8.4.	Charles Madison Carolyn Chen Marybelle Ang	5/25/2023	6/5/2023	6/5/2023	N/A	1	Attach CalAdvocates 8.4			N/A		
49	Cal Advocates	2023WMP-08	2023-WMP	5	Cal Advocates 8.5	PacifiCorp's Q1 2023 QDR - In the "Table 3" tab of the Q1 2023 QDR, PacifiCorp reports the total number of "Wire down risks" and "Wire down trends". The values are summarized in the table below:  Performance MetricCount in Q1 2023 Wire Down Risks59 Wire Down Trends34  (a)Please provide a definition for "Wire Down Risks".  (b)How is this metric different than the total number "Wire Down Events" provided in "Table 5"?  (c)"Wire Down Risks" refers to "downed conductor during fire season".1 For this purpose, how is PacifiCorp defining fire season?  (d)Please provide a definition for "Wire Down Trends".  (e)"Wire Down Trends" refers to the "[r]eduction in quantity of wire down events, year over year, during the designated fire season period". For this purpose, how is PacifiCorp defining fire season?  (f)Given that the Q1 2023 QDR states that both "Wire Down Risks" and "Wire Down Trends" address issues during fire season, why does PacifiCorp report non-zero values in the first quarter of the year (which is not normally considered fire season)?	(a)Risk drivers that can cause an electric transmission or distribution conductor to break and fall from its intended position to rest on the ground or a foreign object.  (b)The total for wire down risks is derived from non-High Fire Threat District (HFTD), CA-Tier-2, CA-Tier-3 and CA-Non-Tier. Wire down events in Table 5 are derived from non-HFTD, CA-Tier-2, and CA-Tier-3.  (c)The time of year that wildfires are most likely to take place for a given geographic region due to historical weather conditions, vegetative characteristics and impacts of climate change. Goals and targets which have milestones related to the onset, duration, or end of "fire season" or "height of fire season" must be accompanied with calendar dates. May 1 to October 31.  (d)Wire down events looking at year over year totals  (e)Please refer to the Company's response subpart (c) above.  (f)Wire down events can be more prevalent during fire season depending on the risk driver, however, they can happen at any time during the year. To ensure accurate reporting, they are tracked and included for each Quarterly Data Report (QDR).	Charles Madison Carolyn Chen Marybelle Ang	5/25/2023	5/31/2023	5/31/2023	N/A					N/A		

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
50	Cal Advocates	2023WMP-08	2023-WMP	6	Cal Advocates 8.6	PacifiCorp's 2023 WMP, Table 8-5, p. 136 - PacifiCorp has provided wire down, outage, inspection count, and work order information in its Q1 2023 QDR. However, this information is missing in Table 8-5. PacifiCorp explains that "[a]t the time of this filing, Pacific Power is unable to provide performance metrics for Grid Design, Operations, and Maintenance.  (a)Please provide an explanation for reporting the aforementioned data in PacifiCorp's Q1 2023 QDR but not in PacifiCorp's 2023 WMP.  (b)Please describe PacifiCorp's Quality Assurance and Quality Control procedures for ensuring accurate and consistent information is provided in both QDRs and its WMP.	(a)PacifiCorp only has data for 2022 in the Quarterly Data Report (QDR) and not any of the previous year's to complete the table  (b)PacifiCorp is investing in new technology and developing an automated outage reporting process that will ensure consistency across its outage data filings. This implementation is expected to be completed by the end of 2023.	Charles Madison Carolyn Chen Marybelle Ang	5/25/2023	5/31/2023	5/31/2023	N/A				8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.1.3 Performance Metrics Identified by the Electrical Corporation
51	Cal Advocates	2023WMP-08	2023-WMP	7	Cal Advocates 8.7	(a)Is PacifiCorp aware of any errors or omissions in its Q1 2023 QDR, aside from the issues noted in question 1 above?  (b)If the answer to the previous part is yes, please identify and correct each such error.	The Company assumes that the reference to "question 1 above" is intended to be a reference to CalAdvocates 8.1. Based on the foregoing assumption, the Company responds as follows:  (a)No.  (b)Not applicable.	Charles Madison Carolyn Chen Marybelle Ang	5/25/2023	5/31/2023	5/31/2023	N/A				N/A		
52	Cal Advocates	2023WMP-08	2023-WMP	8	Cal Advocates 8.8	At this time, does PacifiCorp intend to submit errata or a corrected version of its Q1 2023 QDR?	No, PacifiCorp does not intend to submit a corrected version of its Q1 2023 Quarterly Data Report (QDR).	Charles Madison Carolyn Chen Marybelle Ang	5/25/2023	5/31/2023	5/31/2023	N/A				N/A		
53	Cal Advocates	2023WMP-09	2023-WMP	1	Cal Advocates 9.1	In the "Table 1" tab, PacifiCorp reports the quarterly number of miles of covered conductor installed from Q1 2022 through Q4 2022. PacifiCorp reports, in cell AB18, a total of 62 miles of covered conductor installed as of Q4 2022. PacifiCorp forecasted the installation of 112 miles of covered conductor by the end of Q4 2022.4 a) Please explain why PacifiCorp failed to achieve its 2022 target for its covered conductor installation initiative. Identify each factor that contributed to PacifiCorp's missed target for this initiative in 2022. b) Does PacifiCorp plan to install the remaining 50 miles of covered conductor it failed to install in 2022, in 2023? c) If the answer to part (b) is "yes," describe PacifiCorp's plan to finish installation of the remaining covered conductor from 2022. d) If the answer to part (b) is "yes," will these 50 miles displace other covered conductor projects that were previously planned for 2023? Please explain your response. e) If the answer to part (b) is "no," explain why not. f) What measures has PacifiCorp put in place to ensure future targets for covered conductor installations are met?	a)The factors leading to not achieving the 2022 covered conductor installation target are: 1. Several 2022 projects were delayed due to lack of permits including National Forest and California Department of Transportation (CALTRANS) permits. 2. Material supply was constrained for many special-order materials including spacer cable and non-expulsion fuses. 3. Contract resources were constrained causing delays in project design and implementation. b)Yes c)31.8 miles of these miles have been completed as of May 31, 2022. The remaining 18.2 miles are under construction. d)No e)N/A f)PacifiCorp has taken the following measures to ensure targets are met: 1. Projects are initiated earlier. Generally scoping, design, and permitting are initiated one year prior to the year of construction with a target of all miles designed and permitted by January 1 in the year of construction. 2. Materials procurement has moved to an earlier milestone within the design phase for special order long lead materials. 3. Some materials for line rebuild are not special order. Larger bulk orders for these materials were placed with the larger scale of planned 2023 work. 4. PacifiCorp has been using light detection and ranging (LiDAR) to more efficiently collect existing line configuration information. 5. PacifiCorp has brought on additional contract resources in 2022 to support the line rebuild program. This includes a project manager, two field inspectors 0.5 project control specialist, four designers and an engineer on a full-time equivalent basis	Charles Madison Carolyn Chen Marybelle Ang	6/1/2023	6/6/2023	6/6/2023	N/A				8 Wildfire Mitigations	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.2 Grid Design and System Hardening
54	Cal Advocates	2023WMP-09	2023-WMP	2	Cal Advocates 9.2	In the "Table 1" tab, PacifiCorp reports the quarterly number of targeted distribution pole replacements from Q1 2022 through Q4 2022. PacifiCorp reports, in cell AB15, a total of 1,101 distribution poles replaced as of Q4 2022. PacifiCorp forecasted the replacement of 2,158 distribution poles by the end of Q4 2022.5 a) Please explain why PacifiCorp failed to achieve its 2022 target for its distribution pole replacement initiative. Identify each factor that contributed to PacifiCorp's missed target for this initiative in 2022. b) Does PacifiCorp plan to replace the remaining 1,057 distribution poles it failed to replace in 2022, in 2023? c) If the answer to part (b) is "yes," describe PacifiCorp's plan to replace the remaining distribution poles from 2022. d) If the answer to part (b) is "yes," will these 1,057 distribution poles displace other distribution pole replacements that were previously planned for 2023? Please explain your response. e) If the answer to part (b) is "no," explain why not. f) What measures has PacifiCorp put in place to ensure future targets for distribution pole replacements are met?	a)The factors leading to not achieving the 2022 distribution pole replacement target are: 1. Several 2022 projects were delayed due to lack of permits including National Forest and California Department of Transportation (CALTRANS) permits. 2. Material supply was constrained for many special-order materials including spacer cable and non-expulsion fuses. 3. Contract resources were constrained causing delays in project design and implementation. b)Yes c)872 poles of the total poles have been completed as of May 31, 2022. The remaining 185 poles are on line rebuild projects that have been issued for construction. d)PacifiCorp set the 2023 plan based on project status at the end of 2022 selecting projects that were far enough along in design, permitting, and materials procurement to reasonably forecast completion within 2023. The 1,057 poles from 2022 were all at a status to reasonably forecast completion within 2023 as were 1,543 additional poles (2600 total distribution poles). e)N/A f)PacifiCorp has taken the following measures to ensure targets are met: 1. Projects are initiated earlier. Generally scoping, design, and permitting are initiated one year prior to the year of construction with a target of all miles designed and permitted by January 1 in the year of construction. 2. Materials procurement has moved to an earlier milestone within the design phase for special order long lead materials. 3. Some materials for line rebuild are not special order. Larger bulk orders for these	Charles Madison Carolyn Chen Marybelle Ang	6/1/2023	6/6/2023	6/6/2023	N/A				8 Wildfire Mitigations	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.2 Grid Design and System Hardening

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
55	Cal Advocates	2023WMP-09	2023-WMP	3	Cal Advocates 9.3	This question pertains to PacifiCorp's 2023 WMP, Table 4-2, p. 30. PacifiCorp forecasts \$128.1 million in total WMP related expenditures for 2023, which is a 39.3% increase over expenditures from 2022. a) State the basis of PacifiCorp's cost estimate of \$128.1 million for WMP spending in 2023. b) What factors led to the 39.3% increase in forecasted expenditures?	a)Overall, PacifiCorp is ramping up Grid Hardening initiatives, investing in risk assessment and data analytics tools to improve Wildfire Mitigation Plan (WMP) planning and reporting, and aligning cost to reflect the level of effort projected for the next three years to meet new requirements in the 2023-2025 WMP guidelines. b)The main factor is associated with PacifiCorp ramping up its Grid Hardening initiatives in 2023 as shown in the planned units. Another factor that influenced the cost increase is the level of effort experienced in Vegetation Management initiatives.	Charles Madison Carolyn Chen Marybelle Ang	6/1/2023	6/6/2023	6/6/2023	N/A				4 OVERVIEW OF WMP	4.3 PROPOSED EXPENDITURES	N/A
56	Cal Advocates	2023WMP-09	2023-WMP	4	Cal Advocates 9.4	This question refers to PacifiCorp's Quarterly Data Report for the 1st quarter of 2023, filed with Energy Safety on May 6, 2023 (Excel spreadsheet named "PC_2023_Q1_Tables1-15_R0.xlsx") (hereinafter Q1 2023 QDR).	a)The cost estimate of spending \$83 million for covered conductor in 2023 was based on the forecast for the projects to be included in the 2023 plan. These projects included significant spend on engineering, design, permitting, and materials procurement in 2022. It is anticipated that 2023 will have a lower pre-spend on 2024 line miles, as there are fewer 2024 line miles (80 line miles in plan).  b)The following factors lead to the 27 percent decrease in cost per mile for the installation of covered conductors: 1.It is anticipated that 2023 will have a lower pre-spend on 2024 line miles as there are fewer 2024 line miles (80 mile in plan) than the pre-spend that occurred in 2022 for 2023 line miles (130 miles in plan). 2.The projects later in 2023 and into 2024 include higher percentages of tree wire projects. PacifiCorp's experience to date show that these projects are generally lower in cost per mile.	Charles Madison Carolyn Chen Marybelle Ang	6/1/2023	6/6/2023	6/6/2023	N/A				N/A		
57	Cal Advocates	2023WMP-10	2023-WMP	1	Cal Advocates 10.1	RE: PacifiCorp's Quarterly Data Report for the 1st quarter of 2023, filed with Energy Safety on May 6, 2023 (Excel spreadsheet named "PC_2023_Q1_Tables1-15_R0.xlsx") (hereinafter Q1 2023 QDR).  According to "Table 5," PacifiCorp reports a total of 52 unplanned distribution outages in Q1 2023 due to contact with vegetation.4 This total of 52 represents approximately 40 percent of the total unplanned outages from 2022, surpassing the quarterly average of 33 outages from the same year.5.6 Please provide an explanation for the observed rise in vegetation-related outages during the first quarter of 2023.	Of the 52 unplanned distribution outages in Q1 2023 due to contact vegetation, only two were preventable. 25 of the outages occurred during a major weather event in Q1 2023 and only one of the 25 were preventable.	Charles Madison Carolyn Chen Marybelle Ang	6/6/2023	6/15/2023	6/15/2023	N/A				N/A		
58	Cal Advocates	2023WMP-10	2023-WMP	2	Cal Advocates 10.2	RE: PacifiCorp's Quarterly Data Report for the 1st quarter of 2023, filed with Energy Safety on May 6, 2023 (Excel spreadsheet named "PC_2023_Q1_Tables1-15_R0.xlsx") (hereinafter Q1 2023 QDR).  According to "Table 6," PacifiCorp reports in Q1 2023, a total of 2 ignitions, due to contact with vegetation, which amounts to roughly 66 percent of all distribution ignitions in 2022.7.8 Please provide an explanation for why there was an increase in vegetation-related ignitions in the first quarter of 2023 compared to 2022.	Due to a major weather event that occurred in Q1 2023, there was an increase in vegetation related incidents.	Charles Madison Carolyn Chen Marybelle Ang	6/6/2023	6/15/2023	6/15/2023	N/A				N/A		
59	Cal Advocates	2023WMP-10	2023-WMP	3	Cal Advocates 10.3	This question pertains to PacifiCorp's 2023 WMP, Table 8-17, p. 185. PacifiCorp states, "At the time of this filing, Pacific Power is unable to provide Vegetation Management and Inspection Performance Metrics." Yet, PacifiCorp provides this same information in its Q1 2023 QDR. (a)Please provide an explanation why PacifiCorp is able to report this information in its QDR but not in the 2023 WMP, Table 8-17. (b)Please provide a revised Table 8-17 with the correct data for vegetation management and inspection performance metrics.	(a)PacifiCorp did not provide these numbers in the 2023 wildfire mitigation plan (WMP) due to miscommunication and a lapse in the data gathering process. PacifiCorp is currently developing a tool to streamline this process by tracking and gathering this information. Efforts are also underway to develop additional quality assurance and quality control processes to ensure data is consistent in all of the Company's filings by Q3 of 2023.  (b)Please refer to the table provided below:  Performance Metrics2020202120222023 Projected2024 Projected2025 ProjectedMethod of Verification (e.g., third-party evaluation, quarterly data report (QDR)) Vegetation-caused ignitions543555Q1 2023 QDR Vegetation-caused outages90140135138138138Q1 2023 QDR	Charles Madison Carolyn Chen Marybelle Ang	6/6/2023	6/15/2023	6/15/2023	N/A				8 Wildfire Mitigations	8.2 VEGETATION MANAGEMENT AND INSPECTIONS	8.2.1 Overview
60	Cal Advocates	2023WMP-10	2023-WMP	4	Cal Advocates 10.4	This question refers to PacifiCorp's response to data request CalAdvocates-PacifiCorp-2023WMP-06, question 6(d) and 6(e). PacifiCorp states, "Out of the 79 distribution and transmission lines audited, 58 lines were found with corrective actions identified." (a)In the context of the quote above, how does PacifiCorp define a "line"? (b)Does the statement above imply that only 21 lines (26.6%) passed the audit? Please explain your response.	On June 8, 2023, the California Public Advocates Office (CalAdvocates) advised that the reference to "question 6(d) and 6(e)" should have been references to "question 5(d) and 5(e)". With that clarification, the Company assumes that the reference to "data request CalAdvocates-PacifiCorp-2023WMP-06, question 5(d) and 5(e)" is intended to be a reference to CalAdvocates Data Request 6.5 subparts (d) and (e). Based on the foregoing assumption, the Company responds as follows:  (a)In the context of the Company's response to CalAdvocates Data Request 6.5, PacifiCorp defines a "line" as the distribution or transmission line that is scheduled for vegetation management by work activity (annual and/or routine), which generally refers to the entire length of the line.  (b)No. PacifiCorp does not define a pass or fail with respect to post-audits but rather targets to conduct an audit of work completed and corrects any conditions identified.	Charles Madison Carolyn Chen Marybelle Ang	6/6/2023	6/15/2023	6/15/2023	N/A				N/A		

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory				
61	Cal Advocates	2023WMP-10	2023-WMP	5	Cal Advocates 10.5	This question refers to PacifiCorp's response to data request CalAdvocates-PacifiCorp-2023WMP-06, question 6(d) and 6(e). PacifiCorp states, "Out of the 79 distribution and transmission lines audited, 58 lines were found with corrective actions identified." Additionally, PacifiCorp states, "[a]s a result of post-audits, 5,542 corrective actions were identified. Corrective actions include both pruning and removal and include actions requested by PacifiCorp that are not indicative of contractor performance (e.g., a tree that started to decline between work completion and post-audit)." (a)How many corrective actions were identified in 2022 in Tier 3 areas as a result of these audits? (b)What is PacifiCorp's target timeframe for completing such corrective actions in Tier 3 areas? (c)Have all corrective actions identified in 2022 in Tier 3 areas been completed? (d)If the answer to (b) is "no", please explain why not. (e)How many corrective actions were identified in 2022 in Tier 2 areas as a result of these audits? (f)What is PacifiCorp's target timeframe for completing such corrective actions in Tier 2 areas? (g)Have all corrective actions identified in 2022 in Tier 2 areas been completed? (h)If the answer to (e) is "no", please explain why not.	On June 8, 2023, the California Public Advocates Office (CalAdvocates) advised that the reference to "question 6(d) and 6(e)" should have been references to "question 5(d) and 5(e)". With that clarification, the Company assumes that the reference to "data request CalAdvocates-PacifiCorp-2023WMP-06, question 5(d) and 5(e)" is intended to be a reference to CalAdvocates Data Request 6.5 subparts (d) and (e). Based on the foregoing assumption, the Company responds as follows:  (a)In 2022, 388 corrective actions were identified in Tier 3 areas.  (b)In general, PacifiCorp attempts to conduct post-audits while the tree crews are in the vicinity, to facilitate prompt and efficient correction of any identified conditions. Exceptions may be prioritized based on the type of vegetation condition identified, such as imminent conditions or an impending weather event. All exceptions are targeted to be addressed within the calendar year.  (c)Yes  (d)Not Applicable.  (e)In 2022, 4,509 corrective actions were identified in Tier 2 areas.  (f)In general, PacifiCorp attempts to conduct post-audits while the tree crews are in the vicinity, to facilitate prompt and efficient correction of any identified conditions. Exceptions may be prioritized based on the type of vegetation condition identified, such as imminent conditions or impending weather event. All exceptions are targeted	Charles Madison Carolyn Chen Marybelle Ang	6/6/2023	6/15/2023	6/15/2023	N/A								N/A		
62	Cal Advocates	2023WMP-10	2023-WMP	6	Cal Advocates 10.6	This question refers to PacifiCorp's 2023 WMP, Table 8-19, pp. 205-206. In 2022, PacifiCorp has reported that it audited 72% of all miles for detailed vegetation inspection for distribution and only 83% of all miles for detailed vegetation inspection for transmission. The 2022 goal for both detailed vegetation inspection programs was 100%. (a)Please explain why PacifiCorp was unable to complete audits for the remaining 28% of detailed vegetation inspections for distribution in 2022. (b)Please explain why PacifiCorp was unable to conduct audits for the remaining 17% of detailed vegetation inspections for transmission in 2022. (c)How did PacifiCorp set its targets of 100% in 2022 for both distribution and transmission? (d)Did any adverse consequences arise as a result of PacifiCorp's failure to achieve its 2022 targets in this area? Please explain your response. (e)Does PacifiCorp's 2022 performance in this area demonstrate prudent management? Why or why not?	(a)The remaining line miles were distribution circuits that were inspected, worked, and post-audited as part of the annual patrol inspection program. The remaining line miles were scheduled for routine maintenance work associated with detailed inspections later in the calendar year. As the work was completed later in the year and scheduled to be inspected again in 2023, coupled with weather events that impacted ability to conduct post audits, PacifiCorp elected to move forward with 2023 program rather than conducting post-audits in 2023 of 2022 work and then shortly thereafter re-inspecting the line miles for 2023 work. From a risk management perspective, the line miles were audited as part of the annual patrol inspection program.  (b)Similar to the Company's response to subpart (a) above, the remaining transmission was completed later in the year, weather impacted ability to conduct ground-based post audits and work/inspection was scheduled again in 2023. PacifiCorp did conduct multiple aerial inspections/flights post-work where vegetation conditions were reviewed by PacifiCorp foresters; however, PacifiCorp did not count these reviews/audits in the total line miles audited.  (c)As a risk management strategy, PacifiCorp identified a target of 100 percent post-audits.  (d)The Company is not aware of any adverse consequences.  (e)Yes, PacifiCorp's 2022 performance in this area demonstrates prudent management. PacifiCorp targets 100 percent post-audit of work conducted based on	Charles Madison Carolyn Chen Marybelle Ang	6/6/2023	6/15/2023	6/15/2023	N/A							8 Wildfire Mitigations	8.2 VEGETATION MANAGEMENT AND INSPECTIONS	8.2.5 Quality Assurance and Quality Control	
63	Cal Advocates	2023WMP-11	2023-WMP	1	Cal Advocates 11.1	This question pertains to PacifiCorp's 2023 WMP, Figures 6-10 and 6-11, pp. 95-96. a) Please define "cumulative ignition risk driver" as used in the context of Figures 6-10 and 6-11. b) Please define "fire season" as used in the context of Figures 6-10 and 6-11.	(a)Cumulative ignition risk drivers are the sum of specific risk drivers for the period specified.  (b)Every year from May 1 to October 31.	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A					6 RISK METHODOLOGY AND ASSESSMENT	6.5 ENTERPRISE SYSTEM FOR RISK ASSESSMENT	N/A			
64	Cal Advocates	2023WMP-11	2023-WMP	2	Cal Advocates 11.2	This question pertains to PacifiCorp's 2023 WMP, Figure 6-10, p. 95. a) Cal Advocates interprets the table in Figure 6-10 to mean that the rows labeled 2015 through 2022 represent annual numbers of "ignition risk driver" events in California (rather than, e.g., wire down events). Is this interpretation correct? If not, please explain the meaning of each of these rows. b) The "wire down" row of the table in Figure 6-10 does not specify a date range. Cal Advocates interprets this table to mean that the "wire down" row represents total numbers for the years 2015-2022. Is this interpretation correct? If not, please explain the meaning of the "wire down" row. c) Please disaggregate the data on wire down events by year (i.e., provide data for each year from 2015-2022)	(a)Yes, the interpretation is correct. (b)Yes, the interpretation is correct. (c)Please refer to table below:	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A					6 RISK METHODOLOGY AND ASSESSMENT	6.5 ENTERPRISE SYSTEM FOR RISK ASSESSMENT	N/A			
65	Cal Advocates	2023WMP-11	2023-WMP	3	Cal Advocates 11.3	This question pertains to PacifiCorp's 2023 WMP, Figure 6-10, p. 95. In 2022, the count of cumulative risk drivers that occurred outside of the fire season is considerably lower compared to historical records. (Please refer to attachment 1.) a) Please provide an explanation as to why there is a decrease in the number of cumulative risk drivers outside of the fire season when compared to historical data. b) Please list the factors that led to the decrease in the number of cumulative risk drivers outside of the fire season when compared to historical data.	(a)Ignition risk drivers helped shape Pacific Power's programs which typically focus on methods, tactics, and technologies that reduce outages or, more specifically, fault events.  (b)For many risk drivers, risk is mitigated through a combination of programs and there is not always a 1:1 relationship between a risk driver category and a mitigation program. All elements and programs in the plan work together to collectively mitigate wildfire risk.	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A						6 RISK METHODOLOGY AND ASSESSMENT	6.5 ENTERPRISE SYSTEM FOR RISK ASSESSMENT	N/A		

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
66	Cal Advocates	2023WMP-11	2023-WMP	4	Cal Advocates 11.4	This question pertains to PacifiCorp's 2023 WMP, Figure 6-11, p. 96. a) Cal Advocates interprets the table in Figure 6-11 to mean that the rows labeled 2015 through 2022 represent annual numbers of "ignition risk driver" events in California (rather than, e.g., wire down events). Is this interpretation correct? If not, please explain the meaning of each of these rows. b) The "wire down" row of the table in Figure 6-11 does not specify a date range. Cal Advocates interprets this table to mean that the "wire down" row represents total numbers for the years 2015-2022. Is this interpretation correct? If not, please explain the meaning of the "wire down" row. c) Please disaggregate the data on wire down events by year (i.e., provide data for each year from 2015-2022).	(a)Yes. The interpretation is correct. (b)Yes. The interpretation is correct. (c)Please refer to the table provided below:	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A				6 RISK METHODOLOGY AND ASSESSMENT	6.5 ENTERPRISE SYSTEM FOR RISK ASSESSMENT	N/A
67	Cal Advocates	2023WMP-11	2023-WMP	5	Cal Advocates 11.5	This question pertains to PacifiCorp's 2023 WMP, Figure 6-11, p. 96. In 2022, the count of cumulative risk drivers that occurred during fire season is considerably lower compared to historical records. (Please refer to attachment 1.) a) Please provide an explanation as to why there is a decrease in the number of cumulative risk drivers during fire season when compared to historical data. b) Please list the factors that led to the decrease in the number of cumulative risk drivers during fire season when compared to historical data.	(a)Ignition risk drivers helped shape Pacific Power's programs which typically focus on methods, tactics, and technologies that reduce outages or, more specifically, fault events.  (b)For many risk drivers, risk is mitigated through a combination of programs and there is not always a 1:1 relationship between a risk driver category and a mitigation program. All elements and programs in the plan work together to collectively mitigate wildfire risk.	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A				6 RISK METHODOLOGY AND ASSESSMENT	6.5 ENTERPRISE SYSTEM FOR RISK ASSESSMENT	N/A
68	Cal Advocates	2023WMP-12	2023-WMP	1	Cal Advocates 12.1	Please provide a copy of PacifiCorp's Public Safety Power Shutoff Execution Playbook (PSPS Playbook), as referenced in PacifiCorp's 2023 WMP, p. 252.	Please refer to Attachment 12.1 which provides a copy of the 2023 Public Safety Power Shutoff (PSPS) Execution Playbook.	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A	1	Attachment 12.1		8 Wildfire Mitigations	8.4 EMERGENCY PREPAREDNESS	8.4.2 Emergency Preparedness Plan
69	Cal Advocates	2023WMP-12	2023-WMP	2	Cal Advocates 12.2	This question is regarding PacifiCorp's response to CalAdvocates-PacifiCorp-2023WMP-03, Question 1, column R "Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2021." None of PacifiCorp's circuits had any customer-minutes of de-energization. However, PacifiCorp provided a response to CalAdvocates-PacifiCorp-2022WMP-18, Question 1, which provided outages on circuits that had fast-trip settings enabled in 2021 with 39 circuits having outages. a) Please explain the discrepancy. b) Assuming that the customer-minutes of de-energization in 2021 due to fast trip settings was accurate in PacifiCorp's response to CalAdvocates-PacifiCorp-2022WMP-18, Question 1, please explain what changes to PacifiCorp's fast trip or EFR settings (e.g., speed or sensitivity) led to the increase from 2021 (3,956,741 customer-minutes of de-energization) to 2022 (18,541,811 customer-minutes).	The Company assumes that the reference to "CalAdvocates-PacifiCorp-2023WMP-03, Question 1" is intended to be a reference to CalAdvocates Data Request 3.1. Further, the Company assumes that the reference to "CalAdvocates-PacifiCorp-2022WMP-18, Question 1" is intended to be a reference to CalAdvocates Data Request 18.1. Based on the foregoing assumptions, the Company responds as follows:  (a)The data provided in the Company's response to CalAdvocates Data Request 18.1 was related to all outages that occurred in 2021 and were not limited to only if fast-trip settings were enabled.  (b)Not Applicable. The data provided in the Company's response to CalAdvocates Data Request 18.1 was not related to de-energizations due to fast trip settings in 2021.	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A				N/A	N/A	N/A
70	Cal Advocates	2023WMP-12	2023-WMP	3	Cal Advocates 12.3	This question is related to PacifiCorp's transmission lines. a) Do any of PacifiCorp's California circuits receive electricity from sources outside of California? b) If the answer to part (a) is yes, please list the circuits and their electricity sources. c) Please describe PacifiCorp's plan in the event of de-energization of transmission lines that supply power from sources outside of California. d) Has PacifiCorp ever experienced any de-energizations (including, but not limited to PSPS) because of loss of electricity supply from outside of California? e) If the answer to part (d) is yes, please state the date of each such outage since the beginning of 2018. f) If the answer to part (d) is yes, for each outage since the beginning of 2018, please elaborate on the duration, number of customers affected and actions PacifiCorp took during the outage.	(a)Yes  (b)Please refer to Attachment CalAdvocates 12.3.  (c)PacifiCorp does not have a Public Safety Power Shutoff (PSPS) plan for events of de-energization of transmission lines that supply power from sources outside of California but transmission inclusion in the PSPS plans are being evaluated.  (d)PacifiCorp is unable to determine at this time if the Company has ever experienced any de-energizations because of loss of electricity from outside of California. PacifiCorp would need additional time to gather up this information to provide more accurate detail on this question.  (e)Not Applicable.  (f)Not Applicable.	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A	1	Attachment 12.3		N/A	N/A	N/A
71	Cal Advocates	2023WMP-12	2023-WMP	4	Cal Advocates 12.4	Regarding PacifiCorp's Elevated Fire Risk (EFR) settings: a) Please provide a description of the weather conditions in which PacifiCorp will enable or adjust its EFR settings. b) Please identify the months or seasons in which PacifiCorp enables its EFR program. c) Please provide any relevant work documents or procedures that PacifiCorp utilizes related to enabling its EFR settings. d) Please provide a list of which circuits utilized EFR settings in 2021. e) Please provide a list of which circuits utilized EFR settings in 2022. f) Please provide a list of circuits that PacifiCorp expects will utilize EFR settings in 2023.	(a)Meteorology will assign a district-level wildfire risk based on an assessment of the Geographic Area Coordination Center's (GACC) 7-DAY Significant Fire Potential product, publicly available fuels information, and weather forecast data.  (b)PacifiCorp will enable Elevated Fire Risk (EFR) settings based on a review of forecasted conditions as stated in the Company's response to subpart(a) above, which have historically been during the summer months.  (c)All relevant work procedures related to enabling EFR settings are internal only documents currently under revision and cannot be shared outside of the Company.  (d)Please refer to Attachment CalAdvocates 12.4 which provides a copy of EFR Settings 2021.  (e)Please refer to Attachment CalAdvocates 12.4 which provides a copy of EFR Settings 2022.  (f)Please refer to Attachment CalAdvocates 12.4 which provides a copy of EFR Settings 2023.	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A	1	Attachment 12.4		N/A	N/A	N/A

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
72	Cal Advocates	2023WMP-13	2023-WMP	1	Cal Advocates 13.1	On page 159 of its WMP, PacifiCorp states that it “does not have an asset management and inspection enterprise system. Instead, the company leverages a combination of legacy databases and internal planning tools to determine asset inventory and manage inspection, correction, and maintenance programs.” PacifiCorp also notes that it does not have plans to develop or migrate toward a single enterprise system. Please respond to the following questions: a) Why has PacifiCorp chosen not to develop a single system for asset management and inspection data? b) List and describe PacifiCorp’s “internal planning tools” referenced in the quote above. c) List all “legacy databases” that PacifiCorp uses to house asset management and inspection data. For each “legacy database” listed, please specify what type of data it houses (e.g., transmission detailed inspection results, QA/QC audit results, etc.). d) Describe and provide examples (e.g., screenshots, data outputs, dashboards, etc.) of the “Facility Point Inspection (FPI) mainframe style database” that contains condition records for assets outside the substation, as described on p. 159 of PacifiCorp’s WMP.	(a)Historically, the Company utilized a combination of legacy databases and internal planning tools for asset management and inspection data. PacifiCorp is currently transitioning all asset management and inspection data to Maximo with the goal of developing a single system that can be utilized.  (b)The internal planning tools that the Company utilizes are (1) SAP for transmission and substation assets, (2) geographic information systems maintenance organizer (GISMO), and (3) facility point inspection (FPI) system to manage inspection plans and conditions for transmission and distribution.  (c)The primary legacy database the Company uses to house asset management and inspection data is FPI, SAP, and Maximo.  i.FPI contains all asset inspection (Safety, Detailed, Intrusive, and Audit) and condition records (Condition type and Priority) for distribution and transmission assets.  ii.SAP manages transmission and substation asset inspection and maintenance plans. Additionally, SAP is used to record all substation equipment information and commissioning records. Results of substation inspections and maintenance is stored on the Company’s maintenance planning network drive.  iii.The Company is currently transitioning all plans and records to Maximo. Currently, only a portion of the Company’s substation asset inspection, maintenance plans, and equipment information has been transferred to this system. The Company plans on	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A	1	Attachment CalAdvocates 13.1		8 Wildfire Mitigations	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.5 Asset Management and Inspection Enterprise System(s)
73	Cal Advocates	2023WMP-13	2023-WMP	2	Cal Advocates 13.2	On page 159 of its WMP, PacifiCorp states that it “does not have an asset management and inspection enterprise system. Instead, the company leverages a combination of legacy databases and internal planning tools to determine asset inventory and manage inspection, correction, and maintenance programs.” Please provide a step-by-step description of PacifiCorp’s recordkeeping or data management procedures – identifying the databases or tools used at each stage – for conducting a detailed asset inspection, generating an asset corrective work order, and performing the necessary maintenance. Please include, at minimum, the following steps in your narrative: a) Scheduling a detailed asset inspection b) Performing the inspection c) Recording results and findings from the inspection d) Creating a work order for asset repairs/remediation e) Scheduling the remediation work f) Performing the remediation work g) Closing the work order	(a)The Inspections are setup in the geographic information systems maintenance organizer (GISMO) based on the type of inspection and by given year. The inspection plan is based on a cycle of specific lines (transmission) or specific mapstring-sections (one mile grid of distribution facility points). These plans vary from year-to-year based on wildfire risk areas, state requirements, grids and lines which can vary the number of inspections completed each year. A weekly progress report is put in place to determine timeline for completion. This will outline the work to be performed and which inspector will perform the work.  (b)The inspections are routed to the inspection contractor via a data extract from the facility point inspection (FPI) mainframe. The inspection contractor will prepare the active data and assign it to the inspector that will be performing the work. This will coincide with the plan and progress report referred to in (a) of this response. As the inspections are completed, the progress report is adjusted depending on the number of inspections being complete to ensure inspections stay on track. The inspections are completed from PacifiCorp’s inspection plan in coordination with PacifiCorp’s Procedure 069. Please refer to Attachment CalAdvocates 13.2 which provides a copy of PacifiCorp’s Procedure 069.  (c)The inspector will use a proprietary software model to perform an inspection to PacifiCorp’s inspection standards. The inspector will perform all acts of the required inspection, take all measurements and photos while walking pole to pole. Once completed, the inspector will “close” out the inspection which will show as completed. At the end of the week, the inspection results are uploaded to the inspection contractor’s database. Once in the contractor’s data base, the inspection	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A				8 Wildfire Mitigations	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.5 Asset Management and Inspection Enterprise System(s)
74	Cal Advocates	2023WMP-13	2023-WMP	3	Cal Advocates 13.3	Table 8-7 of PacifiCorp’s WMP notes that QA/QC audit results in 2022 for patrol inspections were 92%, compared to the yearly target pass rate of 95%. Please respond to the following: a) Why did patrol inspection audits miss the target pass rate of 95%? b) What actions has PacifiCorp taken to ensure audit results meet targets in future years?	(a)PacifiCorp does not currently perform audits on patrol inspections. This row was a typo in Table 8-7 of PacifiCorp’s 2023 Wildfire Mitigation Plan (WMP).  (b)The Company is currently meeting all audit result targets. To ensure this continues in future years, the Company will continue to review and actively manage inspection audit results for all inspectors. This includes reviewing individual inspector performance and conditions identified during inspections. From these results, the Company adjusts training and inspection practices to ensure targets are met.	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A	1			8 Wildfire Mitigations	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.6 Quality Assurance and Quality Control
75	Cal Advocates	2023WMP-13	2023-WMP	4	Cal Advocates 13.4	On page 164 of its WMP, PacifiCorp notes that it does not currently have the capability to project trends or future targets with regards to past due work orders. Please respond to the following questions: a) Explain why PacifiCorp is unable to project trends or future targets with regards to past due work orders. b) Does PacifiCorp intend to develop the capacity to project trends or future targets with regards to past due work orders?	(a)PacifiCorp does not currently have the tools available to project trends or future targets with regards to past due work orders.  (b)Yes, the Company is planning to develop trending and future target tools for past due work orders. The Company is currently in the process of evaluating its existing processes and data to determine the toolsets needed.	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A				8 Wildfire Mitigations	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.7 Open Work Orders



Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
76	Cal Advocates	2023WMP-13	2023-WMP	5	Cal Advocates 13.5	On pages 164 and 165 of its WMP, PacifiCorp documents its numbers of past due work orders. a) What is PacifiCorp's plan to address its increasing numbers of past due work orders? b) Does PacifiCorp currently have any overdue Level 1 priority open work orders? c) If the answer to part (b) is yes, please state the number of such overdue work orders in each HFTD tier.	(a)PacifiCorp's plan to address this is to actively monitor and track these work orders so they can be corrected as soon as possible.  (b)Yes, the Company currently has 16 Level 1 priority open work orders (A conditions). Note: the Company designates all Level 1 priority work orders as A conditions. This includes conditions that are imminent dangers that must be corrected immediately and conditions that are non-imminent dangers, but higher priority than a Level 2 priority work order. The Company's policy is to correct non-imminent danger A conditions within 30 days. All 16 conditions are non-imminent dangers. Please refer to Attachment CalAdvocates 13.5 which provides a list of these conditions.  (c)Please refer to the Company's response below:  CA Tier 2 = 3 CA-Non-Tier = 13	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A	1	Attachment CalAdvocates 13.5		8 Wildfire Mitigations	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.7 Open Work Orders
77	Cal Advocates	2023WMP-13	2023-WMP	6	Cal Advocates 13.6	On page 148 of its WMP, PacifiCorp states that it performs approximately 13,000 detailed inspections of electric transmission and distribution facilities in a typical year. In PacifiCorp's Q4 2022 Quarterly Data Report, PacifiCorp reports that it performed 11,007 detailed inspections on distribution and transmission facilities. a) Please explain the discrepancy. b) Is PacifiCorp's 2022 frequency of detailed inspections on its electric distribution and transmission in compliance with CPUC General Orders 95 and 165?	(a)The value provided for detailed inspections for the Company's Wildfire Mitigation Plan (WMP) is an approximation of the number of detailed inspections that are performed in a typical year. This value can vary based on the inspection plan for a given year. The inspection plan is based on a cycle of specific lines (transmission) or specific mapstring-sections (one mile grid of distribution facility points). These plans vary from year-to-year based on wildfire risk areas, state requirements, grids and lines which can vary the number of inspections completed each year.  , The 11,007 detailed inspections referenced from PacifiCorp's Q4 2022 Quarterly Data Report (QDR) only includes detail inspections, however the Company includes detail inspections (DETAIL) and intrusive (PTT) inspections in its detailed inspection count. Considering this, the Company completed 15,583 detailed inspections in 2022. 8,466 (DETAIL Distribution) + 2,541 (DETAIL Transmission) + 4,576 (PTT) = 15,583 (b)The frequency of the Company's detailed inspections on its electric distribution and transmission lines is outlined in Company Policy 001. The Company has confirmed that the frequency of these inspections is compliant with General Orders (GO) 95 and GO 165. Please refer to Attachment CalAdvocates 13.6 which provides a copy of Company Policy 001.	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A	1	Attachment CalAdvocates 13.6		8 Wildfire Mitigations	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.3 Asset Inspections
78	Cal Advocates	2023WMP-14	2023-WMP	1	Cal Advocates 14.1	Please provide a list of all level 1 asset corrective work orders that were created (opened) in 2020 through 2022 in a spreadsheet that lists each work order as a row and has the following columns. a) Work Order Number b) Work Order Description c) Equipment Type d) HFTD Tier e) Circuit ID number f) Line Type (Distribution or Transmission) g) Date of Asset Inspection h) Date the work order was originally opened i) Due date of the original work order j) Geographic latitude of the work order in decimal degrees, truncated to seven decimal places k) Geographic longitude of the work order in decimal degrees, truncated to seven decimal places l) Date(s) the work order was reinspected or modified (if applicable) m) Due date of the work order after it was reinspected or modified (if applicable) n) Priority level of the work order after it was reinspected or modified (if applicable) o) Reason for reinspection (if applicable) p) Date the work order (original or reclassified) was completed.	Please refer to Attachment CalAdvocates 14.1.  Note - the Company designates all Level 1 priority work orders as A conditions. The data in the attachment includes all conditions designated as an A condition in 2020 through 2022 per Company Procedure 069. The Company's internal Policy 192 requires A conditions that are imminent dangers to be corrected immediately. For any A conditions that are not imminent dangers, the policy allows for up to 30 days for corrective action.	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	6/12/2023	N/A	1	Attachment CalAdvocates 14.1		N/A	N/A	N/A

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
79	Cal Advocates	2023WMP-15	2023-WMP	1	Cal Advocates 15.1	In PacifiCorp's 2022 WMP update, PacifiCorp states: To address these challenges, PacifiCorp is planning to engage a construction management partner through a competitive bidding process in 2022. This new contracted partner is expected to facilitate delivery of the various aspects of covered conductor projects, such as project management, project controls, project reporting, engineering, estimating, permitting, surveying, material procurement, material management, construction, and post construction inspections. PacifiCorp anticipates that the new contracted partner will begin supporting the delivery of covered conductor in late 2022 or early 2023. (p. 282, 283) Likewise in PacifiCorp's 2023 WMP, PacifiCorp states: To address these challenges, Pacific Power is planning to engage a construction management partner through a competitive bidding process initiated in 2022 and concluding in 2023. This new contracted partner is expected to facilitate delivery of the various aspects of line rebuild projects, such as project management, project controls, project reporting, engineering, estimating, permitting, surveying, material management, construction, and post construction inspections. Pacific Power anticipates that the new contracted partner will begin supporting the delivery of covered conductor in 2023. (p. 139, 140) a) What has PacifiCorp accomplished in 2022 to obtain a construction management partner? b) What has PacifiCorp accomplished in 2023 to obtain a construction management partner? c) Please provide evidence of PacifiCorp's seeking a construction management partner, and provide all responses to PacifiCorp's seeking a construction management partner .	(a)In 2022, PacifiCorp developed a program plan to obtain a construction management partner to share the delivery and risk of the various wildfire mitigation projects. The 2022 activities included:  Issuing a request for information (RFI) to contractors / consultants to gage the bidding landscape and key elements for a successful partnership and program. More than 50 contractors were invited to participate in the RFI and 13 responded; Reviewing RFI responses to determine the scope and plan for a request for proposal (RFP) bid event and identifying the list of potential bidders to invite; Issuing the RFP to 11 bidders; and Facilitating a pre-bid meeting – mandatory for bidders submitting a proposal – to review the scope and schedule and to ensure that bidders' questions were addressed.  (b)As of June 12, 2023, PacifiCorp has performed the following activities to obtain a construction management partner: addressed bidders' questions before proposals were due; completed technical and commercial evaluations of proposals submitted by seven bidders; and conducted separate interviews with five bidders to give each an opportunity to detail their proposal to the PacifiCorp team.  (c)PacifiCorp sent pre-bid communication to potential bidders. Please refer to Attachment CalAdvocates 15.1-1 which provides a copy of Pre-Bid Communication CMAR Fire Mitigation RFP_Redacted.  Please refer to Attachment CalAdvocates 15.1-2 which provides a copy of CMAR RFP Review Summary.	Tyler Holzschuh Carolyn Chen Marybelle Ang	6/8/2023	6/13/2023	6/13/2023	N/A	2	CalAdvocates 15.1-1 CalAdvocates 15.1-2		8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.2 Grid Design and System Hardening
80	Cal Advocates	2023WMP-15	2023-WMP	2	Cal Advocates 15.2	PacifiCorp's 2023 WMP proposes to "engage a construction management partner ... to facilitate delivery of the various aspects of line rebuild projects, such as project management, project controls, project reporting, engineering, estimating, permitting, surveying, material management, construction, and post construction inspections." (p. 139, 140) Please describe PacifiCorp's plan for managing this proposed contractor. Please address the following issues, at minimum: a) How many internal staff members will be needed to manage the contractor and what skills or qualifications will the internal staff members bring to bear? b) Which PacifiCorp teams or units will be responsible for managing the contractor? c) How will PacifiCorp provide guidance and direction to the contractor regarding goals, tasks, and deliverables? d) How will PacifiCorp maintain effective oversight and supervision of the contractor's work?	(a)PacifiCorp estimates three to eight internal full time equivalent (FTE) resources may be needed to manage the contractor. Skills and qualifications for these internal resources are yet to be determined.  (b)Plans for managing the contractor have not yet been finalized.  (c)Plans for managing the contractor have not yet been finalized.  (d)Plans for management and oversight of the contractor have not yet been finalized.	Tyler Holzschuh Carolyn Chen Marybelle Ang	6/8/2023	6/13/2023	6/13/2023	N/A				8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.2 Grid Design and System Hardening
81	Cal Advocates	2023WMP-15	2023-WMP	3	Cal Advocates 15.3	In PacifiCorp's quarterly data report for Q4 2022, PacifiCorp missed its annual target for installation of system automation equipment. Please explain: a) Why the installation target was missed; b) What the limiting factors for installation are; and c) What PacifiCorp is changing in 2023 and going forward so that future targets are not missed.	(a)PacifiCorp updated the reported number of system automation units to 57 in the 2023 Q1 QDR update. Based on this update, the annual target, 51, was not missed.  (b)As explained in the Company's response to subpart (a) above, the annual target for installation of system automation units was not missed. However, PacifiCorp notes that system automation projects can be split into two groups; a.Distribution field reclosers require engineering, purchase of non-site specific long lead materials, line construction resources, and meter relay technicians. Generally the engineering and meter relay technicians are the limiting factors driven by turnover and limited qualified staffing b.Substation relay and circuit breakers require engineer, purchase of site specific long lead materials, civil construction resources and meter relay technicians. Generally the engineering, and meter relay technicians are the limiting facotors driven by turnover and limited qualified staffing for. Additionally, site specific long lead materials have longer than historic delivery timelines due to supply chain constraints and high industry demand.  (c)As explained in the Company's response to subpart (a) above, the annual target for installation of system automation was not missed. PacifiCorp continues to improve on its process and has allocated additional time into the project forecast for a more realistic time to engineer and procure long lead materials. PacifiCorp is working with internal meter relay technicians throughout the Pacific Power service territory to assign resources to projects as they become ready for construction. This includes the use of contracted meter relay technicians to support wildfire mitigation work and other projects.	Tyler Holzschuh Carolyn Chen Marybelle Ang	6/8/2023	6/13/2023	6/13/2023	N/A				8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.2 Grid Design and System Hardening
82	Cal Advocates	2023WMP-15	2023-WMP	4	Cal Advocates 15.4	In PacifiCorp's quarterly data report for Q4 2022, PacifiCorp missed its annual target for expulsion fuse replacement. Please explain: a) Why the installation target was missed; b) What the limiting factors for installation are; and c) What PacifiCorp is changing in 2023 and going forward so that future targets are not missed.	(a)Suppliers delivered the required quantities of expulsion fuses later than anticipated. This delayed the mass installation of expulsion fuses until Q4 2022. Additionally, December of 2022 had poor weather impacting construction progress. (b)The limiting factors were the date replacement fuses became available and the weather in December 2022. (c)The limiting factors in 2022 have been addressed with the receipt of the materials late in 2022 supporting work into 2023. While weather was not favorable in Q1 2023, PacifiCorp was able to complete 1,455 installations during out of an annual target of 5,000 (29 percent complete). Based on this, installations are occurring at a pace to meet targets for 2023.	Tyler Holzschuh Carolyn Chen Marybelle Ang	6/8/2023	6/13/2023	6/13/2023	N/A				8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.2 Grid Design and System Hardening

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
83	Cal Advocates	2023WMP-15	2023-WMP	5	Cal Advocates 15.5	For covered conductor installation, PacifiCorp's 2023 target is significantly higher than its 2024-2025 targets (PacifiCorp's 2023 WMP p. 132, 133). a) Why is PacifiCorp's 2023 target significantly higher than its 2024-2025 targets? b) Why does PacifiCorp's strategy of decreasing system hardening targets over time optimally reduce risk?	(a)PacifiCorp's targeted run rate of line rebuild projects is 80 miles per year. The 2023 target is higher than this run rate due to inclusion of about 50 miles of 2022 projects that were incomplete at the end of 2022.  (b)This target of 80 miles was set as an achievable target for predictable results at the recommendation from Cal Advocates. PacifiCorp will look for opportunities to exceed these targets as additional resources or efficiencies allow.	Tyler Holzschuh Carolyn Chen Marybelle Ang	6/8/2023	6/13/2023	6/13/2023	N/A				8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.1.2 Targets
84	Cal Advocates	2023WMP-15	2023-WMP	6	Cal Advocates 15.6	For covered conductor installation, PacifiCorp's 2023 target is significantly higher than its 2024-2025 targets (PacifiCorp's 2023 WMP p. 132, 133). a) Why is PacifiCorp's 2023 target significantly higher than its 2024-2025 targets? b) Why does PacifiCorp's	Please refer to Company's response to CalAdvocates Data Request 15.5	Tyler Holzschuh Carolyn Chen Marybelle Ang	6/8/2023	6/13/2023	6/13/2023	N/A				8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.1.2 Targets
85	Cal Advocates	2023WMP-15	2023-WMP	7	Cal Advocates 15.7	For distribution pole replacement, PacifiCorp's 2023 target is significantly higher than its 2024-2025 targets (PacifiCorp's 2023 WMP p. 132, 133). a) Why is PacifiCorp's 2023 target significantly higher than its 2024-2025 targets? b) Why does PacifiCorp's strategy of decreasing system hardening targets over time optimally reduce risk?	(a)Distribution pole replacements are a function of the line rebuild program. The target line miles for 2023 is higher than 2024-2025 so the distribution pole replacement targets are adjusted proportionally.  (b)Please refer to Company's response to CalAdvocates Data Request15.5, subpart (b).	Tyler Holzschuh Carolyn Chen Marybelle Ang	6/8/2023	6/13/2023	6/13/2023	N/A				8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.1.2 Targets
86	Cal Advocates	2023WMP-15	2023-WMP	8	Cal Advocates 15.8	For transmission pole replacement, PacifiCorp's 2023 target is significantly higher than its 2024-2025 targets (PacifiCorp's 2023 WMP p. 132, 133). a) Why is PacifiCorp's 2023 target significantly higher than its 2024-2025 targets? b) Why does PacifiCorp's strategy of decreasing system hardening targets over time optimally reduce risk?	(a)Transmission pole replacements are a function of the line rebuild program. The target line miles for 2023 are higher than 2024-2025 so the transmission pole replacement targets are adjusted proportionally.  (b)Please refer to Company's response to CalAdvocates Data Request 15.5 subpart (b).	Tyler Holzschuh Carolyn Chen Marybelle Ang	6/8/2023	6/13/2023	6/13/2023	N/A				8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.1.2 Targets
87	Cal Advocates	2023WMP-15	2023-WMP	9	Cal Advocates 15.9	For installation of system automation equipment, PacifiCorp's 2023 target is significantly higher than its 2024-2025 targets (PacifiCorp's 2023 WMP p. 132, 133). a) Why is PacifiCorp's 2023 target significantly higher than its 2024-2025 targets? b) Why does PacifiCorp's strategy of decreasing system hardening targets over time optimally reduce risk?	(a)PacifiCorp has already replaced most of the system automation equipment within California including equipment outside the high fire threat districts (HFTD) Tier 2 and Tier 3 areas. While PacifiCorp will continue to evaluate additional system automation projects, there is no additional scope to include in 2024-2025 at this time.  (b)There is not a strategy to decrease system hardening targets. With respect to this request, PacifiCorp has replaced most of the system automation equipment, so a reduction in targets is a function of that background..	Tyler Holzschuh Carolyn Chen Marybelle Ang	6/8/2023	6/13/2023	6/13/2023	N/A				8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.1.2 Targets
88	Cal Advocates	2023WMP-15	2023-WMP	10	Cal Advocates 15.10	For expulsion fuse replacement, PacifiCorp's 2023 target is significantly higher than its 2024-2025 targets (PacifiCorp's 2023 WMP p. 132, 133). a) Why is PacifiCorp's 2023 target significantly higher than its 2024-2025 targets? b) Why does PacifiCorp's strategy of decreasing system hardening targets over time optimally reduce risk?	(a)PacifiCorp anticipates that it will have replaced the majority of the total scoped expulsion fuses by the end of 2023. The 2024 scope is projected to complete out this program.  (b)There is not a strategy to decrease system hardening targets. With respect to this request, PacifiCorp anticipates that it will have replaced the majority of the total scoped expulsion fuses by the end of 2023. The 2024 scope is projected to complete out this program.	Tyler Holzschuh Carolyn Chen Marybelle Ang	6/8/2023	6/13/2023	6/13/2023	N/A				8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.1.2 Targets
89	Cal Advocates	2023WMP-15	2023-WMP	11	Cal Advocates 15.11	This question relates to the number of electromechanical relays that protect PacifiCorp's California HFTD area. a) What does PacifiCorp mean by "all identified relays" (PacifiCorp's 2023 WMP, p. 132) when it states that it will upgrade all identified relays by December 2026? b) Please provide PacifiCorp's definition of transmission.	(a)All protection relays for circuits with sections within high fire threat district (HFTD) areas.  (b)PacifiCorp's definition of transmission includes any circuit designed to operate at 46 kilovolt (kV) to 200 kV as Local Transmission, and above 200 kV as Main Grid Transmission.  It is understood that this is different than the California Public Utilities Commission (CPUC) definition of transmission as provided in General Order (GO) 131D. PacifiCorp's definition of Local Transmission is similar to how the CPUC defines "power line" and Main Grid Transmission matches the definition of "transmission line." PacifiCorp's current local transmission network in California is operated at 69 kV and 115 kV, therefore the difference in voltage range is not significant.	Tyler Holzschuh Carolyn Chen Marybelle Ang	6/8/2023	6/13/2023	6/13/2023	N/A				8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.1.2 Targets
90	Cal Advocates	2023WMP-15	2023-WMP	12	Cal Advocates 15.12	This question relates to the number of electromechanical relays that protect PacifiCorp's California HFTD area. Assuming PacifiCorp meets its stated system automation equipment targets, please answer the following: a) Where both the 1st and 2nd local transmission substation relays (which protect HFTD circuit segments) are electromechanical: 1. How many instances of these situations will be left after 2025? 2. How many instances of these situations will be left after December 2026? b) Where both the 1st and 2nd local distribution substation relays (which protect HFTD circuit segments) are electromechanical: 1. How many instances of these situations will be left after 2025? 2. How many instances of these situations will be left after December 2026? c) For overhead distribution reclosers relays (which protect HFTD circuit segments), where the relay is electromechanical. 1. How many instances of these situations will be left after 2025? 2. How many instances of these situations will be left after December 2026? d) How many total electromechanical relays (which protect HFTD circuit segments): 1. Will be left after 2025? 2. Will be left after December 2026?	(a)Please refer to the Company's response to subparts 1. and 2. below: 1.Zero 2.Zero  (b) Please refer to the Company's response to subparts 1. and 2. Below: 1.Zero 2.Zero  (c) Please refer to the Company's response to subparts 1. and 2. Below: 1.Zero 2.Zero  (d) Please refer to the Company's response to subparts 1. and 2. Below: 1.Zero 2.Zero	Tyler Holzschuh Carolyn Chen Marybelle Ang	6/8/2023	6/13/2023	6/13/2023	N/A				8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.1.2 Targets

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
91	Cal Advocates	2023WMP-16	2023-WMP	1	Cal Advocates 16.1	In its response to question 1 of CalAdvocates-PacifiCorp-2023WMP-14, PacifiCorp states: The Company designates all Level 1 priority work orders as A conditions. The data in the attachment includes all conditions designated as an A condition in 2020 through 2022 per Company Procedure 069. The Company's internal Policy 192 requires A conditions that are imminent dangers to be corrected immediately. For any A conditions that are not imminent dangers, the policy allows for up to 30 days for corrective action. a) Please provide a copy of Company Procedure 069. b) Please provide a copy of Company Procedure 192. c) Please describe how PacifiCorp determines whether an "A condition" is or is not an imminent danger. d) Please state the basis for classifying an A condition as imminent. e) Please state the basis for classifying an A condition as non-imminent.	The Company assumes that the reference to "question 1 of CalAdvocates-PacifiCorp-2023WMP-14" is intended to be a reference to CalAdvocates Data Request 14.1. Based on the foregoing assumption, the Company responds as follows:  (a) Please refer to Attachment CalAdvocates 16.1 which provides a copy of PacifiCorp's Procedure (SOP) 069.  (b) Please refer to Attachment CalAdvocates 16.1 which provides a copy of PacifiCorp's Asset Management Policy 192.  (c) As stated in PacifiCorp's Asset Management Policy 192, page 2, an imminent threat/danger is a condition that poses a present and significant threat to human life or property.  (d) The classifying of an "A" condition as imminent is based on if an "A" condition meets the definition of an imminent threat as stated in PacifiCorp's Asset Management Policy 192; then it is imminent.  (e) If an "A" condition does not meet the definition of an imminent threat as stated in PacifiCorp's Asset Management Policy 192, then it is non-imminent.	Charles Madison Carolyn Chen Marybelle Ang	6/15/2023	6/20/2023	6/20/2023	N/A	1	Attach CalAdvocates 16.1		N/A		
92	Cal Advocates	2023WMP-16	2023-WMP	2	Cal Advocates 16.2	a) For asset work orders that are designated as Level 1 priority but non-imminent dangers, does PacifiCorp take any interim measures or actions (temporary repairs, increased inspections, or patrols, etc.) to ensure that the problem is made safe until the corrective action is completed? b) If the answer to (a) is "yes," please describe the types of interim measures or actions that PacifiCorp takes. c) If the answer to (a) is "no," please explain why not.	The Company assumes that the reference to "question 1 of CalAdvocates-PacifiCorp-2023WMP-14" is intended to be a reference to CalAdvocates Data Request 14.1. Based on the foregoing assumption, the Company responds as follows:  (a) Yes, depending on the severity and if possible, the Company may take interim measures or actions to ensure the condition is made safe until correction action can be completed.  (b) Interim measures or actions the Company may take on a condition prior to corrective action include:  1. Temporary covering – The company may install a temporary covering, which is used temporarily until corrective work is performed; examples of a temporary covering are an insulating sleeve and an avian hose  2. Temporary reinforcement/supports – The company may install a temporary reinforcement/support, which is used temporarily until corrective work is performed; examples of a temporary reinforcement/support are steel plating, guying, and extension arms  3. Follow-up inspections – An inspector may visit the site prior to the correction date to ensure the condition has not further deteriorated and does not require escalation.  (c) Not applicable.	Charles Madison Carolyn Chen Marybelle Ang	6/15/2023	6/20/2023	6/20/2023	N/A				N/A		
93	Cal Advocates	2023WMP-16	2023-WMP	3	Cal Advocates 16.3	This question pertains to the Excel spreadsheet named "Attach CalAdvocates 14.1.xlsx." In this spreadsheet, 41 asset work orders have damage codes listed as "CONDUCTOR DAMAGED/FRAYED," including the following 3 examples: (1) Work order ID 493720784-86299-DTLSB-11_08_2021-CONDFRAY-1^06148004.0259004, created on 11/8/2021. (2) Work order ID 474471051-73741-DETAIL-09_21_2020-CONDFRAY-1^06147001.0081701, created on 9/21/2020. (3) Work order ID 78988906-65431-DTLSB-03_17_2022-CONDFRAY-1^06146005.0230801, created on 3/17/2022. For each of the work orders listed above, please answer the following questions: a) Please explain why the work order was not classified as an imminent threat. b) Why did PacifiCorp deem it prudent to set a deadline of approximately 30 days to remediate the condition? c) Did PacifiCorp take any interim remedial actions to make the condition safe before the work order could be completed? d) If the answer to part (c) is yes, please describe the interim remedial actions taken. e) If the answer to part (c) is no, why not?	The Company assumes that the reference to "question 1 of CalAdvocates-PacifiCorp-2023WMP-14" is intended to be a reference to CalAdvocates Data Request 14.1. Based on the foregoing assumption, the Company responds as follows:  (a) The work orders listed in this data request were not classified as an imminent threat because the Company's inspector made the determination that they did not meet the definition of an imminent threat per PacifiCorp's Asset Management Policy 192. PacifiCorp's Procedure 069 allows for inspectors to specify an "A" priority for CONDFRAY condition, which allows up to 30 days for correction per PacifiCorp's Asset Management Policy 192, if it is deemed not an imminent threat. Application of Asset Management Policy 192 to a particular circumstance in the field requires an inspector to exercise judgment regarding the severity of the condition; inspector training contemplates that an "A" priority CONDFRAY condition is any conductor that has greater than 50 percent of conductor strands cut. If a condition is determined to be an "A" priority condition, the inspector may make an additional determination that the condition poses a present and significant threat to human life or property. With respect to each particular condition addressed in the work orders referenced in this request, the inspector did not make a determination the condition posed a present and significant threat to human life or property.  (b) Any "A" condition that is deemed not an imminent threat is allowed up to 30 days for correction per PacifiCorp's Asset Management Policy 192.  (c) No, the Company did not take any interim remedial actions for these conditions.	Charles Madison Carolyn Chen Marybelle Ang	6/15/2023	6/20/2023	6/20/2023	N/A					N/A	

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory				
94	Cal Advocates	2023WMP-16	2023-WMP	4	Cal Advocates 16.4	This question pertains to the Excel spreadsheet named "Attach CalAdvocates 14.1.xlsx." In this spreadsheet, 13 asset work orders have damage codes listed as "DISTRIBUTION - TREE CONTACTING PRIMARY" or "TREE CONTACTING OPEN SECONDARY," including the following 3 examples: (1) Work order ID 574335972-98671-DLTRT-06_22_2021-TREDIST-1^668041/004/030, created on 6/22/2021. (2) Work order ID 739842814-48640-DETAIL-06_02_2020-TREDIST-1^07218001.0262905, created on 6/2/2020. (3) Work order ID 515963558-30409-DETAIL-02_01_2022-TRESCBRN-1^06147005.0265404, created on 2/1/2022. For each of the work orders listed above, please answer the following questions: a) Please explain why the work order was not classified as an imminent threat. b) Why did PacifiCorp deem it prudent to set a deadline of approximately 30 days to remediate the condition? c) Did PacifiCorp take any interim remedial actions to make the condition safe before the work order could be completed? d) If the answer to part (c) is yes, please describe the interim remedial actions taken. e) If the answer to part (c) is no, why not?	The Company assumes that the reference to "question 1 of CalAdvocates-PacifiCorp-2023WMP-14" is intended to be a reference to CalAdvocates Data Request 14.1. Based on the foregoing assumption, the Company responds as follows:  (a)The work orders listed in this data request were not classified as an imminent threat because the Company's inspector made the determination that they did not meet the definition of an imminent threat per PacifiCorp's Asset Management Policy 192. PacifiCorp's Procedure 069 allows for inspectors to specify an "A" priority for TREDIST and TRESCBRN conditions, which allows up to 30 days for correction per PacifiCorp's Asset Management Policy 192, if it is deemed not an imminent threat.  (b)Any "A" condition that is deemed not an imminent threat is allowed up to 30 days for correction per PacifiCorp's Asset Management Policy 192.  (c)No, the Company did not take any interim remedial actions for these conditions.  (d)Not applicable.  (e)In this case, the Company's inspector made the determination interim remedial action was not needed for the conditions.	Charles Madison Carolyn Chen Marybelle Ang	6/15/2023	6/20/2023	6/20/2023	N/A										
95	Cal Advocates	2023WMP-16	2023-WMP	5	Cal Advocates 16.5	This question pertains to the Excel spreadsheet named "Attach CalAdvocates 14.1.xlsx." In this spreadsheet, 107 asset work orders have damage codes listed as "POLE-DECAY/REJECT/REPLACE" or "POLE-DAMAGE/REJECT/REPLACE," including the following 3 examples: (1) Work order ID 616243056-22831-ADMIN-01_27_2020-POLEREPL-1^668038/001/055, created on 1/27/2020. (2) Work order ID 983435913-45949-ADMIN-05_03_2021-POLEREPL-1^07114001.0276306, created on 5/3/2021. (3) Work order ID 169522597-70849-ADMIN-01_02_2020-POLEDERP-1^07114001.0341100, created on 1/2/2020. For each of the work orders listed above, please answer the following questions: a) Please explain why the work order was not classified as an imminent threat. b) Why did PacifiCorp deem it prudent to set a deadline of approximately 30 days to remediate the condition? c) Did PacifiCorp take any interim remedial actions to make the condition safe before the work order could be completed? d) If the answer to part (c) is yes, please describe the interim remedial actions taken. e) If the answer to part (c) is no, why not?	The Company assumes that the reference to "question 1 of CalAdvocates-PacifiCorp-2023WMP-14" is intended to be a reference to CalAdvocates Data Request 14.1. Based on the foregoing assumption, the Company responds as follows:  (a)The work orders listed in this data request were not classified as an imminent threat because the Company's inspector made the determination that they did not meet the definition of an imminent threat per PacifiCorp's Asset Management Policy 192. PacifiCorp's Procedure 069 allows for inspectors to specify an "A" priority for POLEREPL and POLEDERP conditions, which allows up to 30 days for correction per PacifiCorp's Asset Management Policy 192, if it is deemed not an imminent threat. The amount of pole decay is determined by the Company's intrusive testing that is performed per PacifiCorp's Asset Management Policy 298. Please refer to Attachment CalAdvocates 16.5 which provides a copy of PacifiCorp's Asset Management Policy 298  (b)Any "A" condition that is deemed not an imminent threat is allowed up to 30 days for correction per PacifiCorp's Asset Management Policy 192.  (c)No, the Company did not take any interim remedial actions for these conditions.  (d)Not applicable.  (e)In this case, the Company's inspector made the determination interim remedial action was not needed for the conditions.	Charles Madison Carolyn Chen Marybelle Ang	6/15/2023	6/20/2023	6/20/2023	N/A	1	Attach CalAdvocates 16.5								
96	Cal Advocates	2023WMP-09	2023-WMP	1	Cal Advocates 9.1-1st Revised	In the "Table 1" tab, PacifiCorp reports the quarterly number of miles of covered conductor installed from Q1 2022 through Q4 2022. PacifiCorp reports, in cell AB18, a total of 62 miles of covered conductor installed as of Q4 2022. PacifiCorp forecasted the installation of 112 miles of covered conductor by the end of Q4 2022.4 a) Please explain why PacifiCorp failed to achieve its 2022 target for its covered conductor installation initiative. Identify each factor that contributed to PacifiCorp's missed target for this initiative in 2022. b) Does PacifiCorp plan to install the remaining 50 miles of covered conductor it failed to install in 2022, in 2023? c) If the answer to part (b) is "yes," describe PacifiCorp's plan to finish installation of the remaining covered conductor from 2022. d) If the answer to part (b) is "yes," will these 50 miles displace other covered conductor projects that were previously planned for 2023? Please explain your response. e) If the answer to part (b) is "no," explain why not. f) What measures has PacifiCorp put in place to ensure future targets for covered conductor installations are met?	Further Company's response to Cal Advocates 9.1 dated June 6, 2023, the Company has become aware that the responses to subparts (e) and (f) were inadvertently combined as subpart (e). This 1st Revised response correctly provides the Company's intended responses to subparts (e) and (f) of this data request. Note: the responses to subparts (a) through (d) of the Company's original response remain unchanged and valid. (e)Not applicable.  (f)PacifiCorp has taken the following measures to ensure targets are met:  1.Projects are initiated earlier. Generally, scoping, design, and permitting are initiated one year prior to the year of construction with a target of all miles designed and permitted by January 1 in the year of construction.  2.Materials procurement has moved to an earlier milestone within the design phase for special order long lead materials.  3.Some materials for line rebuild are not special ordered. Larger bulk orders for these materials were placed with the larger scale of planned 2023 work.  4.PacifiCorp has been using light detection and ranging (LIDAR) to more efficiently collect existing line configuration information.  5.PacifiCorp brought on additional contract resources in 2022 to support the line rebuild program. This includes a project manager, two field inspectors, 0.5 project	Charles Madison Carolyn Chen Marybelle Ang				6/28/2023	N/A					8 Wildfire Mitigations	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.2 Grid Design and System Hardening		

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
97	Cal Advocates	2023WMP-15	2023-WMP	3	Cal Advocates 15.3 - 1st Supplemental	In PacifiCorp's quarterly data report for Q4 2022, PacifiCorp missed its annual target for installation of system automation equipment. Please explain: a) Why the installation target was missed; b) What the limiting factors for installation are; and c) What PacifiCorp is changing in 2023 and going forward so that future targets are not missed.	Further to the Company's response to Cal Advocates Data Request 15.3 dated June 13, 2023, the Company provides additional clarifying information responsive to subpart (a): (a)PacifiCorp will be updating the reported number of system automation units to 57 in its 2022 Q4 Quarterly Data Report (QDR) from the originally reported 44. This will align with current reports.. Please refer to Attachment CalAdvocates 15.3 1st Supplemental which contains a spreadsheet listing out locations of completion and the work orders for each location to show that PacifiCorp finished 57 units in 2022 and that the annual target of 51 was not missed.	Tyler Holzschuh Carolyn Chen Marybelle Ang	6/29/2023	6/29/2023	N/A	1	Attach CalAdvocates 15.3 1st SUPP		8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.2 Grid Design and System Hardening	
98	Cal Advocates	2023WMP-13	2023-WMP	2	Cal Advocates 13.2 - 1st Revised	On page 159 of its WMP, PacifiCorp states that it "does not have an asset management and inspection enterprise system. Instead, the company leverages a combination of legacy databases and internal planning tools to determine asset inventory and manage inspection, correction, and maintenance programs." Please provide a step-by-step description of PacifiCorp's recordkeeping or data management procedures – identifying the databases or tools used at each stage – for conducting a detailed asset inspection, generating an asset corrective work order, and performing the necessary maintenance. Please include, at minimum, the following steps in your narrative: a) Scheduling a detailed asset inspection b) Performing the inspection c) Recording results and findings from the inspection d) Creating a work order for asset repairs/remediation e) Scheduling the remediation work f) Performing the remediation work g) Closing the work order	Further Company's response to Cal Advocates 13.2 dated June 12, 2023, the Company has become aware that the response to subpart (b) was omitted and the responses to subparts (c) through (g) were mislabeled as (b) through (f). This 1st Revised response correctly provides the Company's intended responses to subpart (b) and correct the labeling of subparts (c) through (g) of this data request. Note: the response to subpart (a) of the Company's original response remain unchanged and valid. (a)The Inspections are set up in the geographic information systems maintenance organizer (GISMO) based on the type of inspection and by given year. The inspection plan is based on a cycle of specific lines (transmission) or specific mapstring-sections (one mile grid of distribution facility points). These plans vary from year-to-year based on wildfire risk areas, state requirements, grids and lines which can vary the number of inspections completed each year. A weekly progress report is put in place to determine timeline for completion. This will outline the work to be performed and (b)The Inspections are routed to the Inspection Contractor via a data extract from the FPI Mainframe. The Inspection Contractor will prepare the active data and assign it to the Inspector that will be performing the work. This will coincide with the plan and progress report mentioned above. As the Inspections are completed, the progress report is adjusted depending on the number of inspections being completed to ensure inspections are on track. The inspections are completed from PacifiCorp inspection plan in coordination with Procedure 069.  (c)The inspections are routed to the inspection contractor via a data extract from the facility point inspection (FPI) mainframe. The inspection contractor will prepare the active data and assign it to the inspector that will be performing the work. This will coincide with the plan and progress report referred to in (a) of this response. As the	Charles Madison Carolyn Chen Marybelle Ang	6/7/2023	6/12/2023	7/11/2023	N/A				8 Wildfire Mitigations	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.5 Asset Management and Inspection Enterprise System(s)
99	OEIS	P-WMP_2023-PC-001	2023-WMP	1	OEIS 1.1	Regarding Wildland Fire Sensor Program a. In Table 8-22 (p. 211) in its WMP, PacifiCorp lists its partnership with the Department of Homeland Security on its Wildland Fire Sensors program, beginning March 2023. i. Provide a status update on this initiative (SA-03), including the following: (1) The number of sensors currently deployed as part of this program (2) The number of sensors to be deployed over the next 3 years (3) A map of current and future deployment locations ii. Will PacifiCorp be providing the information from these sensors to the local, State, and Federal fire agencies in its service area? (1) If yes, please explain how this information will be provided. (2) If no, please explain why. iii. PacifiCorp does not reference these sensors in Table 8-29 "Fire Detection Systems Currently Deployed" (p. 220) of its WMP. Are these sensors accounted for as part of PacifiCorp's "existing and planned ignition detection sensors and systems"? (1) If yes, please explain why this information is not listed in Table 8-29 of PacifiCorp's WMP. (2) If no, please explain why PacifiCorp does not account for these sensors as part of its existing/planned system.	(i)Please refer to the Company's responses to subparts (1) through (3) below:  (1)20 smoke and air quality sensors were deployed by PacifiCorp in 2023.  (2)PacifiCorp has no plans to deploy more sensors in the next three years after conclusion of the Department of Homeland Security (DHS) Wildland Fire Sensor Program.  (3)Current sensor deployments are shown in the maps provided below. As noted in the Company's response to subpart (2) above, PacifiCorp has no plans to deploy more sensors.  (ii)Please refer to the Company's responses to subparts (1) and (2) below:  (1)Yes. The California Department of Forestry and Fire Protection (CAL FIRE) has access to the sensor platform and has signed up to receive alerts as part of the Department of Homeland Security (DHS) Wildland Fire Sensor Program.  (2)Not applicable.  (iii)Please refer to the Company's responses to subparts (1) and (2) below:  (1)Smoke and air quality sensors are listed in Table 8-29 (line item. "Smoke and Air	Jessica McHale	7/19/2023	7/24/2023	7/24/2023	N/A				8 Wildfire Mitigations	8.3 SITUATIONAL AWARENESS AND FORECASTING	8.3.1.1 Objectives
100	OEIS	P-WMP_2023-PC-001	2023-WMP	2	OEIS 1.2	Regarding Fire Potential Index (FPI) a. On p. 242 of its WMP, PacifiCorp states that it does not yet have an operational Fire Potential Index (FPI). i. Provide the method and matrix that is being utilized to formulate the current daily FPI for PacifiCorp's service area.	i.Not Applicable. PacifiCorp is currently using an operational Fire Potential Index (FPI), as shown in the figure and table below from P. 242 of the 2023 Wildfire Mitigation Plan (WMP):	Jessica McHale	7/19/2023	7/24/2023	7/24/2023	N/A				8 Wildfire Mitigations	8.3 Situational Awareness and Forecasting	8.3.6 Fire Potential Index

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
101	OEIS	P-WMP_2023-PC-001	2023-WMP	3	OEIS 1.3	Regarding Weather Station Totals a. On p. 157 of its WMP, PacifiCorp states that it has, "...continued to increase the weather station density across [its] service territory with close to 100 (portable and fixed) weather stations in California." On p. 213 PacifiCorp states that it utilizes three different types of weather stations: microstations, remote automated weather stations (RAWS), and portable stations. i. Provide a listing of the total number of each type of station owned and operated by PacifiCorp, including the location of each. ii. Provide a list of the total number of stations owned by other entities (e.g., CAL FIRE, BLM, USFS, NWS, NOAA, etc.) that PacifiCorp utilizes for environmental monitoring, including the locations. iii. Provide the location and type of the 26 additional weather stations that are planned to be deployed by 2025 as outlined in Section 8.3.1.2 of PacifiCorp's WMP ("Situational Awareness Initiative Targets by Year" table; SA-01).	i. Please refer to Attachment OEIS 1.3 which provides a list of California weather stations. This file shows 101 active weather stations, including those installed in 2023. The 10 portable weather stations are stored in the Yreka service center to be deployed as needed.  ii. Additional data could be used from Automated Surface Observing Systems (ASOS), Department of Transportation (DOT), National Weather Service (NWS), and Remote Automated Weather Station (RAWS). These stations are only looked at on a case-by-case basis, no specific locations are routinely used. Those weather stations are used to fill in gaps of data, gain historical records, or used to validate PacifiCorp data readings.  iii. The need for weather stations and their locations are assessed annually by the Company's meteorology department. 15 weather stations were installed in 2023 and can be viewed in the list of California weather stations provided in Attachment OEIS 1.3 and filtered for stations in service in 2023. Additional locations have not yet been determined.	Jessica McHale	7/19/2023	7/24/2023	7/24/2023	N/A	1	Attach OEIS 1.3		8 Wildfire Mitigations	8.3 Situational Awareness and Forecasting	8.3.2 Environmental Monitoring Systems
102	OEIS	P-WMP_2023-PC-001	2023-WMP	4	OEIS 1.4	Regarding Weather Station Standards a. On page 216 of its WMP, PacifiCorp states that it, "...has complete control and knowledge of [its weather station] network calibration and maintenance to ensure that the weather data used to support operational decision making is of the highest quality." PacifiCorp also states that its weather stations are calibrated annually before wildfire season to ensure accuracy of the data throughout fire season (p. 213). Please provide the following: i. The installation and equipment standard that governs PacifiCorp's weather station installation, including height from ground, direction of cross-arm, and which side of the pole/tower they are installed on. ii. The total number of stations that were serviced annually over the past 3 years and the maintenance performed on each station in accordance with PacifiCorp Procedure 069, Policy 001, Policy 356, as listed in Appendix F of PacifiCorp's WMP (p. 387). iii. The total number of stations not serviced annually over the past 3 years, including an explanation as to why they did not receive the annual maintenance/calibration and how many attempts were made to perform the annual maintenance/calibration. iv. The estimated life span of each sensor and the replacement cycle for each. v. The total number of repair requests initiated per year over the past 3 years, including the duration from initiation to completion of the repair. vi. A copy PacifiCorp's Policy 001 on the maintenance of weather station assets.	i. Please refer to Attachment OEIS 14.3 which provides a copy of "EA500 Pole-Mounted Weather Monitoring Station"; the construction standard used when installing weather stations. Weather stations can be placed on the pole in any direction.  ii. The maintenance performed on the weather stations ensures that the stations are operational. The stations have each sensor (wind monitor, temperature/relative humidity sensor, rain gauge) checked individually at each station. At the end of the maintenance the station is confirmed to be operational with the weather station vendor. If a sensor measured outside of the tolerance levels the equipment is either replaced with spares on hand or with a new sensor ordered.  iii. All stations were calibrated annually in 2020, 2021 and 2022.  iv. Please refer to the table below which provides the estimated lifespans for the sensors as provided by the weather station vendor:  v. The average time from corrective maintenance (CM) initiation to completion was around two to three months. This includes ordering material to completion.  vi. Please refer to Attachment OEIS 1.4 which provides a copy of Policy 001-PP. Weather station maintenance in Policy 001 is provided in tab "Wires".	Jessica McHale	7/19/2023	7/24/2023	7/24/2023	N/A	1	Attach OEIS 1.4		8 Wildfire Mitigations	8.3 Situational Awareness and Forecasting	8.3.2 Environmental Monitoring Systems
103	OEIS	P-WMP_2023-PC-001	2023-WMP	5	OEIS 1.5	Regarding Social Vulnerability and Exposure Risk: a. On p. 59 of its WMP, PacifiCorp states that it is currently working on calculating its composite risk score and therefore cannot provide areas that exceed the 85th percentile at this time. i. Please provide PacifiCorp's expected timeline for completion of this calculation. Please also include an explanation of any factors contributing to potential delays in calculating this risk score, if applicable.	i. As discussed on page 68 of the 2023 Wildfire Mitigation Plan (WMP), PacifiCorp expects to complete calculating the composite score by the end of 2023. At this time, there are no identified barriers to completing the calculation by the end of 2023.	Jessica McHale	7/19/2023	7/24/2023	7/24/2023	N/A				5 Overview of the Service Territory	5.4 COMMUNITY VALUES AT RISK	5.4.2 Communities at Risk from Wildfires
104	OEIS	P-WMP_2023-PC-001	2023-WMP	6	OEIS 1.6	Regarding Priority A/Level 1 Conditions a. In Cal Advocates' data requests 14 and 16 (CalAdvocates-PacifiCorp-2023WMP-14 and CalAdvocates-PacifiCorp-2023WMP-16), additional information was requested related to Priority A conditions. Please clarify the following: i. Who determines if a Priority A condition is an imminent threat? ii. How are Priority A conditions that are classified as imminent threats tracked? iii. Is there any form of QA/QC performed on Priority A conditions to determine if the conditions should have been classified as an imminent threat? iv. Are there temporary repairs/interim measures taken to address Priority A conditions tracked? (1) If so, please provide a copy of the spreadsheet created in response to Cal Advocates data request 14 (question 1) with an additional column (q) temporary repair implemented.	i. The Company's inspectors will make the determination if a Priority A condition meets the definition of an imminent threat per Policy 192.  ii. Imminent threat Priority A conditions are tracked the same as non-imminent threat Priority A conditions. Per Policy 192, imminent threat Priority A conditions shall have corrective action taken immediately.  iii. Any Priority A condition that is reviewed during the Company's quality assurance (QA) / quality control (QC) processes as outlined in section 8.1.6 of the Company's 2023 Wildfire Mitigation Plan (WMP) will verify the severity of the condition was identified correctly and determine if the condition should have been classified as an imminent threat.  iv. Yes, depending on the severity and if possible, the Company will take interim measures or actions to ensure the condition is made safe until correction action can be completed.  (1) The Company currently does not have a way to track temporary repairs/interim measures specifically unless comments are added to the condition in the Company's Facility Point Inspection (FPI) system. In reviewing the conditions provided with the Company's response to Cal Advocates Data Request 14.1, specifically Attachment CalAdvocates 14.1, it was determined no temporary repairs/interim measures were	Jessica McHale	7/19/2023	7/24/2023	7/24/2023	N/A				N/A		



Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory	
105	OEIS	P-WMP_2023-PC-2	2023-WMP	1	OEIS 2.1	Regarding Vegetation Management Open Work Orders: a. In relation to Vegetation Management (VM) open work orders, on page 207 of its WMP, PacifiCorp writes that it "does not have specific due dates for each condition at the time of this filing." Describe if and how VM work orders are tagged for priority level (e.g., Level 1, 2, 3), and if and how due dates are assigned to specific work orders. b. Does PacifiCorp track the completion of work orders in its mobile data management software (MDMS)? i. If PacifiCorp does not track completion of work orders in MDMS, describe how it tracks completion of work orders. c. Describe how PacifiCorp ensures and confirms that VM work orders are completed within the assigned timeframe.	(a)PacifiCorp interprets "work order" to be synonymous with "work location" (location where vegetation management actions are identified during inspection). Based on the foregoing interpretation, the Company responds as follows:  As the inspection takes place, if the inspection contractor identifies any imminent vegetation conditions, the contractor will immediately notify the applicable PacifiCorp forester and a tree crew will be dispatched to address the condition. Within the mobile data management software (MDMS) PacifiCorp's inspection contractor may also utilize a "Red Dot" icon, which indicates work locations to be prioritized over other work locations. Specific due dates are not formally assigned to work locations within the MDMS, however PacifiCorp foresters will coordinate with the contractors to monitor progress and completion of any "Red Dot" work locations. Target completion dates for the entire circuit are identified on a "Work Release" document, which is issued to the contractor. Please refer to the Company's response to subpart (b) below.  (b)PacifiCorp reviews completion of "work locations" within its MDMS through changing the color of the work location icon and attaching a work complete form to the location. PacifiCorp issues work to the applicable contractor through a "Work Release" document. The work release specifies the work activity, scope, and scale. The scale is generally the entire circuit. For example, circuit XYZ is released to the contractor to be worked as routine cycle maintenance. As the circuit is inspected, an inventory of work is identified. As the contractor completes the inventoried work, they enter a "Work Complete" form recording the work completed at that location and change the icon color in the MDMS indicating the work at that location is	Jessica McHale	7/21/2023	7/26/2023	7/26/2023	N/A					8 Wildfire Mitigations	8.2 Vegetation Management and Inspections	8.2.7 Workforce Planning
106	OEIS	P-WMP_2023-PC-2	2023-WMP	2	OEIS 2.2	Regarding Emergency Preparedness External Contractor Training: a. On page 262 of its WMP, PacifiCorp states it does not provide emergency preparedness training for its contractors. i. Please describe in what capacity, and during which types of emergency events, contractors are used in executing PacifiCorp's Emergency Preparedness program(s). ii. Approximately how many contractors does PacifiCorp employ to execute its Emergency Preparedness program(s)? iii. Describe how PacifiCorp ensures that contract staff are trained in lieu of a dedicated training program.	i.Contractors are not utilized in PacifiCorp's Emergency Preparedness program.  ii.None.  iii.Emergency management staff conduct both internal and external emergency preparedness training (exception - ICS courses). Examples below:  •Internal: Emergency Coordination Center (ECC) and Department Operations Center (DOC) training program for employees.  •External: Outreach and training program for public safety partners include regionally appropriate PacifiCorp employees.	Jessica McHale	7/21/2023	7/26/2023	7/26/2023	N/A					8 Wildfire Mitigations	8.4 Emergency Preparedness	8.4.2 Emergency Preparedness Plan
107	OEIS	P-WMP_2023-PC-2	2023-WMP	3	OEIS 2.3	Regarding PSPS Customer Minutes of Interruption: i. In Table 9-1 (page 312) of PacifiCorp's WMP, "Total Customer Minutes of Interruption" for 2020 and 2021 are blank. Provide the total customer minutes of interruption for 2020 and 2021 or provide an explanation for why these values are unavailable.	Please refer to the table below, column "Total Customer Minutes of Interruption". Table 9.1 is from the Company's 2023 Wildfire Mitigation Plan (WMP), which now contains the Total Customer Minutes of Interruption values.  Table 9-1 PSPS Event Statistics  No. of EventsTotal Circuits De-energizedTotal Customers ImpactedTotal Customer Minutes of Interruption 2020212,559231,169,463 2021161,9531,113,210 20220000  23 As requested in the QDR template from OEIS: customers impacted by PSPS: if multiple PSPS events impact the same customer, count each event as a separate customer.	Jessica McHale	7/21/2023	7/26/2023	7/26/2023	N/A					9 Public Safety Power Shutoff	9.1 Overview	9.1.1 Key PSPS Statistics
108	OEIS	OEIS-P-WMP_2023-PC-003	2023-WMP	1	OEIS 3.1	Regarding Non-Exempt Lightning/Surge Arrestors: Does PacifiCorp plan to replace its installed, non-exempt lightning/surge arrestors with CAL FIRE-exempt lightning/surge arrestors? If so, please provide a timeline for the project and yearly replacement targets.	PacifiCorp includes lightning/surge arrestor replacement within the expulsion fuse replacement program (Company's 2023 Wildfire Mitigation Plan (WMP), GH-05 page 143). This program is planned for completion in 2024. The program targets are 5,000 poles/locations in 2023 and 500 poles/locations in 2024. These targets are inclusive of all non-exempt equipment on a pole including fuses and arrestors.	Jessica McHale	7/27/2023	8/1/2023	8/1/2023	N/A	N/A			N/A			



Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory		
109	OEIS	OEIS-P-WMP_2023-PC-003	2023-WMP	2	OEIS 3.2	Regarding Evaluation of Access and Functional Needs (AFN) Challenges - In Section 8.5.3 of its WMP, PacifiCorp provides a summary of its access and functional needs (AFN) demographics, its methods for identifying AFN customers within its service territory, as well as its services and resources offerings for AFN customers. However, PacifiCorp does not provide an evaluation of the specific challenges and needs during a wildfire or PSPS event of its AFN customer base.  i.Has PacifiCorp evaluated the specific challenges and needs of its AFN customer base during a wildfire or PSPS event?  (1)If so, please describe the challenges and needs PacifiCorp has identified of its AFN customer base, as well as its process for identifying and evaluating these challenges.  (2)If not, what process does PacifiCorp use to establish its services and resource offerings for its AFN customers that it describes in its WMP (pages 308-309).	i.Yes  (1)One of the functions of the Wildfire Advisory Board is to address issues such as the challenges and needs of AFN customers during a PSPS event. During the Spring 2023 Wildfire Advisory Board meeting, the Board specifically addressed these issues. As result of recommendations received at that meeting, PacifiCorp has reached out to, and created new partnerships with, both the Redwood Coast and the Far Northern Regional Centers. These two regional centers directly serve the AFN population in PacifiCorp's service territory.  Along similar lines, at a 2022 meeting between Cal Office of Emergency Services (OES) Office of Access and Functional Needs (OAFN), PacifiCorp and Redwood Coast Regional Center, and a discussion of CRC services, PacifiCorp received a recommendation to add sensory tools to CRCs. Subsequently, PacifiCorp requested the CRC vendor to include sensory tools.  PacifiCorp also evaluates the challenges and needs of the AFN through multiple PSPS learning avenues. In terms of the most practical experience, PacifiCorp worked with Siskiyou County Office of Emergency Services (OES) during the 2022 wildfires which impacted several communities in Siskiyou County. During these efforts, there were no additional needs identified for AFN customers. Similarly, PacifiCorp established a Community Resource Center (CRC) during the 2021 Public Safety Power Shutoff (PSPS) event. During the activation, customers were provided with feedback forms, as part of PacifiCorp's general efforts to improve processes and address needs. No feedback was received during the activation or following the event.	Jessica McHale	7/27/2023	8/1/2023	8/1/2023	N/A	N/A					8 Wildfire Mitigations	8.5 Community Outreach and Engagement	8.5.3 Engagement with Access and Functional Needs Populations
110	OEIS	OEIS-P-WMP_2023-PC-004	2023-WMP	1	OEIS 4.1	Regarding Risk Spend Efficiency (RSE) a. In its WMP, PacifiCorp provides hypothetical examples of how it calculates RSE. Please explain how PacifiCorp calculates RSE values in practice. i. Are mitigation values based on percentage rules of thumb or another means?	PacifiCorp is currently developing the application to implement the general framework described in its 2023 Wildfire Mitigation Plan (WMP). The specific calculations to determine risk reduction effectiveness are in development based on inputs from PacifiCorp subject matter experts, benchmarking with other utilities, and technical planning with Technosylva. PacifiCorp plans to provide additional information on its risk reduction effectiveness calculations in its 2024 WMP following completion of this work.	Jessica McHale	8/8/2023	8/11/2023	8/11/2023	N/A					7 Wildfire Mitigation Strategy Development	7.1 Risk Evaluation	7.1.4 Mitigation Selection Process	
111	OEIS	OEIS-P-WMP_2023-PC-004	2023-WMP	2	OEIS 4.2	Regarding Mitigation Rankings a. Please provide a table of ranked mitigations as well as an explanation of any instances where PacifiCorp has made mitigation decisions or choices that did not follow this ranking, including the justification for these decisions if applicable.	PacifiCorp intends to use its Risk-Spend Efficiency (RSE) calculations to evaluate and rank potential mitigation projects as an input into its project selection and prioritization process. PacifiCorp is currently developing the application to implement the general RSE framework described in its 2023 Wildfire Mitigation Plan (WMP). PacifiCorp plans to provide additional information on its RSE methodology and calculations including application to project selection and prioritization in its 2024 WMP update.  Specific project scope is defined based on engineering, accounting for the unique characteristics of each job location including risk drivers and risk model outputs, environmental factors, and feasibility. Line rebuilds generally include:  •Replacement of all bare primary conductor with covered conductor, replacement with underground conductor, or removal of overhead bare conductor •Installation of covers or other protective devices where possible to cover portions of the primary conductor system where cover has been removed (e.g., stirrups, jumpers, taps) •Evaluation of pole strength •Replacement of identified poles with non-wood alternatives •Replacement of fuses, arrestors, and other equipment not compliant with the "California Power Line Fire Prevention Field Guide" 2021 Edition with equipment that is compliant with the field guide	Jessica McHale	8/8/2023	8/11/2023	8/11/2023	N/A					7 Wildfire Mitigation Strategy Development	7.1 Risk Evaluation	7.1.4 Mitigation Selection Process	
112	OEIS	OEIS-P-WMP_2023-PC-004	2023-WMP	3	OEIS 4.3	Regarding PSPS Decision-Making a. It appears PacifiCorp is not able to use data or analytics to support PSPS decisions at this time. Is this an accurate assertion? i. If not, please elaborate on what drives PacifiCorp's PSPS decision-making. (a) What are the criteria? (b) Does PacifiCorp use checklists, scorecards, or other metrics?	The assertion that PacifiCorp is not able to use data or analytics to support Public Safety Power Shutoff (PSPS) decisions is inaccurate. PacifiCorp does use a wide variety of data and analytics to support PSPS decisions from both public and company sources including the Geographic Area Coordination Center (GACC), National Weather Service (NWS), PacifiCorp's Weather Research and Forecast (WRF) model, and wildfire modeling software.  a)PacifiCorp's PSPS decision-making criteria is as follows: 1.PacifiCorp Meteorology has determined the wildfire risk to be "Extreme" as defined in 8.3.6.1 of PacifiCorp's 2023 Wildfire Mitigation Plan (WMP) and, 2.Maximum wind gusts at or above the 99th percentile except 95th percentile for circuits in areas of complex fuel & terrain  b)PacifiCorp also considers data from tools currently in testing (to be included in the 2024 WMP filing) which includes a circuit-level Probability of Failure model, Fire	Jessica McHale	8/8/2023	8/11/2023	8/11/2023	N/A					8 Wildfire Mitigations	8.4 Emergency Preparedness	8.4.2 Emergency Preparedness Plan	

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
113	OEIS	OEIS-P-WMP_2023-PC-004	2023-WMP	4	OEIS 4.4	Regarding Emergency Preparedness Performance Metrics a. In Table 8-35 of its WMP (page 251), PacifiCorp lists "n/a" for 2020, 2021, and 2022 for its performance metric "Percentage of Wildfire/PSPS events followed by an After-Action Review or feedback process." i. Please confirm whether "n/a" is applicable here (i.e., no wildfire or PSPS events were followed by an After-Action Review (AAR) or other feedback process in 2020, 2021, or 2022). (1) If this was an error and AARs were performed following wildfire or PSPS events in 2020, 2021, and/or 2022, please provide an updated Table 8-35 with the correct information. Please also provide any AAR documentation or reports, if applicable.	i.The table entry is incorrect due to a misinterpretation of the metrics requested. There were After-Action Review (AARs) performed with each of the two PSPS events and the 1 Public Safety Power Shutoff (PSPS) watch in 2020 and 2021. PacifiCorp has not conducted any other PSPS events. Wildfire AARs are performed following each event. Please refer to attachment OEIS 4.4 which provides the following requested documents:  (1)AAR CA PSPS Event 09.13.2020 Watch Event 09.17.2020.pdf (2)AAR CA PSPS Watch Event Oct 2020.pdf (3)AAR CA PSPS Event Aug 2021.pdf (4)AAR CA McKinney and Yeti Complex Fires July 2022.pdf (5)AAR CA Mill and Mountain Fires Sept 2022.pdf  The corrected Table 8.35 is provided below:	Jessica McHale	8/8/2023	8/11/2023	8/11/2023	N/A	1	Attach OEIS 4.4		8 Wildfire Mitigations	8.4 Emergency Preparedness	8.4.2 Emergency Preparedness Plan
114	OEIS	OEIS-P-WMP_2023-PC-004	2023-WMP	5	OEIS 4.5	Regarding Internal Exercises for Emergency Events a. In Table 8-41 of its WMP (pages 263-264), PacifiCorp lists internal exercises for different types of emergency events, most of which are discussion-based. i. Does PacifiCorp conduct any internal exercises specific to wildfire events? (1) If so, please provide these exercises, providing details for each as required by Table 8-41 (e.g., category, exercise title and type, purpose, etc.). (2) If not, do PacifiCorp's internal exercises for its or "ECC" events pertain to all emergency events, including wildfire, PSPS, etc.? ii. Are all exercises listed in PacifiCorp's Table 8-41 hosted/conducted by PacifiCorp? (1) If not, please list any exercises for which PacifiCorp participates in but does not host/conduct.	i.PacifiCorp did not include standalone wildfire exercises in the 2022 exercise series. PacifiCorp responded to and had active Emergency Coordination Center (ECCs) in several wildfire events across our service territory in 2022.  (1)Not applicable.  (2)ECC exercises include a variety of hazards impacting our service territory, including wildfires, severe storms and manmade disruptions (i.e. Cyber or physical). Based on feedback received from Office of Energy Infrastructure Safety (OEIS), PacifiCorp plans to incorporate wildfire into the severe weather exercise series in the upcoming exercise plan.  ii.PacifiCorp conducts and hosts all exercises listed in table 8-41 Internal Drill, Simulation and Tabletop Exercise Program.  (1)Not applicable.	Jessica McHale	8/8/2023	8/11/2023	8/11/2023	N/A				8 Wildfire Mitigations	8.4 Emergency Preparedness	8.4.2 Emergency Preparedness Plan
115	OEIS	OEIS-P-WMP_2023-PC-004	2023-WMP	6	OEIS 4.6	Regarding Protocols for Emergency Communication to Stakeholder Groups a. In Table 8-49 of PacifiCorp's WMP (pages 282-284), most of the "Means to Verify Message Receipt" column is filled in as "N/A". i. For those that are filled in as "N/A", is it a correct assumption that PacifiCorp does not have a means to verify receipt of these emergency communications? (1) If this is correct, does PacifiCorp have plans to verify message receipt for these communications in the future? If so, please elaborate on these plans. (2) If not a correct assumption, please provide an updated Table 8-49 with the correct information.	i.The initial table includes all methods combined into one cell. It was not clear if rows could be further broken out as means to verify varies by type of communication method.  (1)Not applicable.  (2)Please refer to Attachment OEIS 4.6which provides the communications methods broken out further by types of verification available.	Jessica McHale	8/8/2023	8/11/2023	8/11/2023	N/A	1	Attach OEIS 4.6		8 Wildfire Mitigations	8.4 Emergency Preparedness	8.4.2 Emergency Preparedness Plan
116	OEIS	OEIS-P-WMP_2023-PC-004	2023-WMP	7	OEIS 4.7	Regarding PacifiCorp's Planned Covered Conductor Projects a. For all covered conductor projects PacifiCorp currently has planned, provide the following information via spreadsheet: i. Circuit or circuit segment ID ii. HFTD Tier (Non-HFTD, Tier 2, or Tier 3) iii. Associated circuit risk score iv. Associated circuit risk ranking v. Length of project in miles vi. Current project status (engineering, design, construction, etc.) vii. Expected year of completion viii. Initial planned year of completion, if project was delayed ix. Reason for project delay, if applicable (permitting, supply chain, etc.)	Please refer to Attachment OEIS 4.7.  For subparts iii and iv of Q07.a, PacifiCorp provides circuit risk scores and rankings under two distinct risk models: the Localized Risk Assessment Model (LRAM) and the Wildfire Risk Reduction Model (WRRM) described in section 6.2 of PacifiCorp's Wildfire Mitigation Plan. LRAM is included because this model was used to inform project selection and prioritization for the provided list of covered conductor projects.  The circuit risk rankings are rankings within the total number of distribution circuits within the three-state service territory of Pacific Power. The circuit risk scores are calculated averages of separate outputs from LRAM and WRRM. Due to the variation of risk scores within a particular circuit based on various factors including terrain, fuel type, and vegetation proximity, average circuit risk scores are not necessarily representative of the risk at a specific project location. For example, a circuit segment may be identified for covered conductor installation because that segment has higher risk associated with vegetation in a park compared to the portions of the circuit over pavement upstream and downstream of that segment. This may result in an overall low average circuit risk score although the risk associated with that project location is high.  Circuit risk scores and circuit risk rankings from LRAM and WRRM cannot be directly compared due to differences in source data, modeling methodology and calculations, and the recency of the input data used. PacifiCorp will replace LRAM with WRRM in 2023 for future project selection and prioritization.	Jessica McHale	8/8/2023	8/11/2023	8/11/2023	N/A	1	Attach OEIS 4.7		N/A		

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory		
117	OEIS	OEIS-P-WMP_2023-PC-005	2023-WMP	1	OEIS 5.1	Regarding Vegetation Management and Inspection Performance Metrics: a. On page 185 of its WMP, PacifiCorp states that it is unable to provide vegetation management performance metrics. As such, the performance metrics listed in Table 8-17 of its WMP ("vegetation-caused ignitions" and "vegetation-caused outages") are missing actuals and projections. However, in its Q4 2022 Quarterly Data Report (Revision 2, submitted on June 29, 2023) and Q1 (Revision 1) and Q2 2023 Quarterly Data Reports (submitted June 21 and August 1, 2023, respectively), PacifiCorp does provide actual and projected performance metrics for vegetation-caused outages and ignitions. i. From which QDR(s) are these performance metrics correct? (1) Please populate and provide an updated version of PacifiCorp's WMP Table 8-17 with this information, including actuals, projections, and applicable methods of verification.	i.PacifiCorp's Q2 2023 Quarterly Data Report (QDR) is correct.  (1)Please refer to the table provided below: Performance Metrics 2020 2021 2022 2023 Projected 2024 Projected 2025 Projected Method of Verification (e.g., third-party evaluation, QDR) Vegetation-caused ignitions 5 4 45 55QDR Vegetation-caused outages 119181157 170 170170QDR	Jessica McHale	8/15/2023	8/18/2023	8/18/2023	N/A						8 Wildfire Mitigations	8.2 Vegetation Management and Inspections	8.2.1 Overview
118	OEIS	OEIS-P-WMP_2023-PC-005	2023-WMP	2	OEIS 5.2	Regarding Grid Design, Operations, and Maintenance Performance Metrics: a. On page 136 of its WMP, PacifiCorp states that it is unable to provide performance metrics for grid design, operations, and maintenance. As such, the performance metrics listed in Table 8-5 of its WMP (equipment-caused ignitions, equipment-caused outages, grid inspection findings, and open work orders [tags]) are missing actuals and projections. However, in its Q4 2022 Quarterly Data Report (Revision 2, submitted on June 29, 2023) and Q1 (Revision 1) and Q2 2023 Quarterly Data Reports (submitted June 21 and August 1, 2023, respectively), PacifiCorp does provide actual and projected performance metrics for grid design, operations, and maintenance. i. From which QDR(s) are these performance metrics correct? (1) Please populate and provide an updated version of PacifiCorp's WMP Table 8-5 with this information, including actuals, projections, and applicable methods of verification.	i.PacifiCorp's Q2 2023 Quarterly Data Report (QDR) is correct.  (1)Please refer to the table provided below: Performance Metrics 2020 2021 2022 2023 Projected 2024 Projected 2025 Projected Method of Verification (e.g., third-party evaluation, QDR) Equipment-caused ignitions 5 3 4 444QDR Equipment-caused outages 317 361349 359 359359QDR Grid inspection findings 8,071 7,4878,202 -- -- -- QDR Open work orders (tags) -- -- 12,161 -- -- -- QDR	Jessica McHale	8/15/2023	8/18/2023	8/18/2023	N/A						8 Wildfire Mitigations	8.1 Grid Designs, Operations, and Maintenance	8.1.1 Overview
119	OEIS	OEIS-P-WMP_2023-PC-006	2023-WMP	1	OEIS 6.1	Regarding PacifiCorp's Mitigation Initiative Prioritization a. Does PacifiCorp consider any local factors in its decision-making process for evaluating and prioritizing potential mitigation initiatives? Local factors are those that vary across the service territory (e.g., the primary risk driver in a region is legacy equipment). i. If applicable: (1) Please list and describe the local factors considered. (2) Please describe how each local factor impacts PacifiCorp's mitigation initiative decision-making process and prioritization.	(1)PacifiCorp's evaluation and prioritization process is described in Section 7 of the Company's 2023 Wildfire Mitigation Plan (WMP). The prioritization process is described in Section 7.1.4.2 beginning on 119. In terms of local factors that vary across the service territory, whether an asset is inside or outside of the High Fire Threat District (HFTD) remains a primary local factor for evaluating and prioritizing potential mitigation initiatives. In addition, the goal of reducing the impact of public safety power shutoffs (PSPS) is another primary local factor for evaluating and prioritizing potential mitigation initiatives. Reducing the impact of PSPS involves evaluation of unique circuit configurations, together with the location of certain customers, such as critical facility customers. This type of analysis is necessarily localized.  (2)As discussed in Section 6.1 and Section 7.1.4 of the 2023 WMP, the Company is deploying new tools to evaluate risk and plans to evolve its process to identify and prioritize mitigations by geographic area. With implementation of the Wildfire Risk Reduction Model (WRRM), along with its components of the Risk Associated with Value Exposure (RAVE), Risk Associated with Ignition Locations (RAIL), and Risk Spend Efficiency (RSE) metrics, the Company plans to use these tools to prioritize mitigation initiatives with an increased understanding of localized wildfire risks and PSPS risks. and can use that information to support project selection and planning activities.	Jessica McHale	8/24/2023	8/29/2023	8/29/2023	N/A					7 Wildfire Mitigation Strategy Development	7.1 Risk Evaluation	7.1.4 Mitigation Selection Process	
120	OEIS	OEIS-P-WMP_2023-PC-007	2023-WMP	1	OEIS 7.1	Regarding PacifiCorp's wildfire consequence calculation: a. PacifiCorp provides the following formula for its wildfire consequence calculation (PacifiCorp's Revised 2023-2025 Base WMP – Clean, p 83): i. How many ignition points are in PacifiCorp's territory? ii. Are mitigations made at the ignition point level or aggregated to a higher level (e.g., sub-segment, segment, circuit)? iii. How are variables (weather days) defined and how many are used in this calculation? iv. Explain how the percentiles are used and provide a simple supporting numerical explanation if necessary. v. What are the attributes used and how many are there in total? vi. What are the weights for each attribute and how is the weighting determined?	i.The risk model includes 47,742 simulated ignition points in PacifiCorp's service territory.  ii.PacifiCorp currently applies mitigations at the sub-circuit level which may result in mitigations being applied to an entire circuit depending on risk model outputs and the scope of individual projects.  iii.As discussed on page 77 of PacifiCorp's Revised 2023-2025 Base Wildfire Mitigation Plan (WMP) – Clean:  "The historical weather days to best represent days when and where the weather and fuel conditions will most likely lead to increased risk of ignition. The possible historical weather days are between May 1-October 31, representing typical and/or statutory fire days in Pacific Power's multistate operating areas. The model used to select the fire weather days is probabilistic and is not intended to provide a deterministic weather forecast.  •The worst weather days are selected using the following inputs: •The Hot, Dry, Windy (HDW) Index •Energy Release Component (ERC) for fuel conditions •Wind Gusts Percentile (Gust)".  There are 5,400 possible weather days, of these 300 were selected as the days used for the risk model calculation.  The 95th percentile was used to determine the	Jessica McHale	11/8/2023	11/14/2023	11/14/2023	N/A						6 RISK METHODOLOGY AND ASSESSMENT	6.2 RISK ANALYSIS FRAMEWORK	6.2.1 Risk and Risk Component Identification

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
121	Cal Advocates	CalAdvocates-PacifiCorp-2023WMP-17	2023-WMP	1	CalAdvocates 17.1	Under the "Audit Results of 2022" column, for "Routine Cycle Maintenance (identified during detailed inspections) - Distribution," PacifiCorp reports "72% of all miles audited with a pass rate of 94%." a) Please explain the precise meaning of "72% of all miles audited with a pass rate of 94%." Among other things, define the numerator and denominator of each percentage, and provide the raw numbers for each numerator and each denominator. b) Does the "72% of all miles audited" imply that only a portion of the total miles targeted for 2022 were audited? c) What was your target pass rate for 2022? d) What is the total number of target miles that were supposed to be audited in 2022? e) Does the 94% pass rate apply to the 72% of audited miles or to the total target miles? f) What is your plan for auditing the 28% of miles that were not audited?	(a)72 percent of the line miles completed as part of the routine cycle maintenance were post-audited. Of the line miles post audited, the pass rate was 94%.  •72 percent calculation: (390.26 miles post audited / 545.69 miles of cycle maintenance completed) * 100 = 94 percent pass rate calculation = 1 – fail rate percent: 1 – (137 non-billable audit exceptions / 2,469 work locations identified during initial inspection) (b)In 2022, 72 percent of the targeted routine cycle maintenance line miles to audit were audited.  (c)Target pass rate for routine cycle maintenance in 2022 was not identified.  (d)PacifiCorp interprets this question as referring to the miles targeted for routine cycle maintenance, consistent with the preceding questions in subparts (b) and (c). Based on the foregoing interpretation, the Company responds as follows:  Total number of target miles: 545.69.  (e)The 94 percent pass rate applies to the 72 percent of audited miles.  (f)The remaining line miles associated with routine cycle maintenance that were not audited are primarily from three distribution circuits. In 2022, PacifiCorp conducted patrol inspection and corrective work on these circuits and also completed post-audit of that work. All audit exceptions were then completed prior to the circuits being	Charles Madison Marybelle Ang Joseph Lam	11/8/2023	11/14/2023	11/14/2023	N/A				8 Wildfire Mitigations	8.2 VEGETATION MANAGEMENT AND INSPECTIONS	8.2.5 Quality Assurance and Quality Control
122	Cal Advocates	CalAdvocates-PacifiCorp-2023WMP-17	2023-WMP	2	CalAdvocates 17.2	Under the "Audit Results of 2022" column, for "Pole Clearing (Beyond PRC 4292 requirements)," PacifiCorp reports "17% of all poles audited with a pass rate of 99%." a) Please explain the precise meaning of "17% of all poles audited with a pass rate of 99%." Among other things, define the numerator and denominator of each percentage, and provide the raw numbers for each numerator and each denominator. b) Does the "17% of all poles audited" imply that only a portion of the total poles targeted for 2022 were audited? c) What was your target pass rate for 2022? d) What is the total number of target poles that were supposed to be audited in 2022? e) Does the 99% pass rate apply to the 17% of audited poles or to the total target poles? f) What is your plan for auditing the 83% of poles that were not audited? g) Please explain why the percentage of audited poles was changed from 100% in PacifiCorp's original WMP to 17% in PacifiCorp's revised WMP.	(a)17 percent of the total number of poles worked as part of the pole clearing effort were post-audited. Of the poles audited, the pass rate was 99 percent.  •17 percent calculation: (518 poles audited / 3,080 poles worked) * 100 = 99 percent pass rate calculation = 1 – fail rate percent: 1 – (5 non-billable audit exceptions / 3,080 poles worked)  (b)No. The targeted total poles for 2022 was 10 percent of poles worked. The target was exceeded.  (c)Target pass rate for pole clearing in 2022 was not identified.  (d)308 poles.  (e)The 99 percent pass rate applies to the 17 percent of audited poles.  (f)Auditing 100 percent of poles cleared was not the target. PacifiCorp targeted 10 percent of poles for post-audit and exceeded this target.  (g)PacifiCorp's target for post-audit has always been 10 percent. PacifiCorp misinterpreted the target goal originally by stating 100 percent of the targeted sample size would be post-audited.	Charles Madison Marybelle Ang Joseph Lam	11/8/2023	11/14/2023	11/14/2023	N/A				8 Wildfire Mitigations	8.2 VEGETATION MANAGEMENT AND INSPECTIONS	8.2.5 Quality Assurance and Quality Control
123	Cal Advocates	CalAdvocates-PacifiCorp-2023WMP-17	2023-WMP	3	CalAdvocates 17.3	Under the "Audit Results of 2022" column, for "Routine Maintenance (identified during detailed inspections) - Transmission," PacifiCorp reports "83% of all miles audited with a pass rate of 99%." a) Please explain the precise meaning of "83% of all poles audited with a pass rate of 99%." Among other things, define the numerator and denominator of each percentage, and provide the raw numbers for each numerator and each denominator. b) Does the "83% of all miles audited" imply that only a portion of the total miles targeted for 2022 were audited? c) What was your target pass rate for 2022? d) What is the total number of target miles that were supposed to be audited in 2022? e) Does the 99% pass rate apply to the 83% of audited miles or to the total target miles? f) What is your plan for auditing the 17% of miles that were not audited?	(a)83 percent of the line miles completed as part of the routine maintenance were post-audited. Of the line miles post audited, the pass rate was 99 percent.  •83 percent calculation: (254.65 miles post audited / 307.2 miles of routine maintenance completed) * 100 = 99 percent pass rate calculation = 1 – fail rate percent: 1 – (3 non-billable audit exceptions / 547 work locations identified during initial inspection) (b)In 2022, 83 percent of the targeted routine maintenance line miles to audit were audited.  (c)Target pass rate for routine cycle maintenance in 2022 was not identified.  (d)Total number of target miles: 307.2.  (e)The 99 percent pass rate applies to the 83 percent of audited miles.  (f)Through traditional ground post audits and aerial inspections/audits, these transmission lines are inspected/audited by PacifiCorp frequently, in some cases multiple times a year. Vegetation conditions are reviewed by PacifiCorp foresters and line patrolman. The remaining line miles (17 percent) were either reviewed via aerial flights, in areas of recent wildfires and subsequently addressed through wildfire response workflow management, or all areas where work was conducted were	Charles Madison Marybelle Ang Joseph Lam	11/8/2023	11/14/2023	11/14/2023	N/A				8 Wildfire Mitigations	8.2 VEGETATION MANAGEMENT AND INSPECTIONS	8.2.5 Quality Assurance and Quality Control

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
124	Cal Advocates	CalAdvocates-PacifiCorp-2023WMP-18	2023-WMP	1	CalAdvocates 18.1	PacifiCorp reports 64 miles of total line rebuild through the end of the 3rd quarter 2023.4 PacifiCorp's target for the end of the 3rd quarter of 2023 is 104 miles of total line rebuild.5 a) What factors contributed to PacifiCorp only completing 64 miles of line rebuild rather than the targeted 104 miles by the end of the 3rd quarter of 2023? b) What steps is PacifiCorp taking to accelerate the line rebuild process to cover the remaining 40 miles? c) Does PacifiCorp anticipate any further delays in the line rebuild schedule, and if so, what are the contingency plans? d) Has PacifiCorp revised its line rebuild targets for the next quarter or the remainder of the year, considering the current shortfall? e) What measures is PacifiCorp implementing to ensure that such a shortfall does not recur in future quarters? f) If PacifiCorp misses its 2023 annual target for this initiative, will it increase its work targets for 2024 or 2025 to rectify the shortfall?	(a)During the third quarter 2023, PacifiCorp's service territory experienced several wildfire events with the Head Fire in California specifically affecting a circuit that had 25 miles of planned 2023 line rebuild scope adjacent to the fire. During the fire, crews for these projects and other line rebuild projects were pulled off planned construction activities and deployed for emergency operational response and repairs to minimize customer impacts.  Additional delays were experienced due to delays in final design packages being completed, primarily caused through re-modeling circuits to change pole materials based on available materials.  (b)PacifiCorp has increased targeted contract crew resources for the fourth quarter 2023. All design work for 2023 has been completed.  (c)PacifiCorp does not anticipate further delays.  (d)PacifiCorp has updated the 2023 year-end forecast to 110 miles based on available crew resources.  (e)PacifiCorp has secured contract resources that will be dedicated to planned construction projects including line rebuild projects. While not all contingencies can be planned for, it is expected that this will decrease the frequency that line rebuild construction crews are pulled off of projects to assist with operational response.  (f)PacifiCorp will evaluate 2024 and 2025 targets in the 2024 Wildfire Mitigation Plan	Charles Madison Marybelle Ang Joseph Lam	11/8/2023	11/14/2023	11/14/2023	N/A				N/A	N/A	N/A
125	Cal Advocates	CalAdvocates-PacifiCorp-2023WMP-18	2023-WMP	2	CalAdvocates 18.2	PacifiCorp reports 878 distribution pole replacements through the end of the 3rd quarter 2023.6 PacifiCorp's target for the end of the 3rd quarter of 2023 is 2,040 distribution pole replacements.7 a) What factors contributed to PacifiCorp only completing 878 distribution pole replacements rather than the targeted 2,040 distribution pole replacements by the end of the 3rd quarter of 2023? b) What steps is PacifiCorp taking to accelerate the distribution pole replacement process to cover the remaining 1,162 poles? c) Does PacifiCorp anticipate any further delays in the distribution pole replacement schedule, and if so, what are the contingency plans? d) Has PacifiCorp revised its distribution pole replacement targets for the next quarter or the remainder of the year, considering the current shortfall? e) What measures is PacifiCorp implementing to ensure that such a shortfall does not recur in future quarters? f) If PacifiCorp misses its 2023 annual target for this initiative, will it increase its work targets for 2024 or 2025 to rectify the shortfall?	(a)Please refer to response CalAdvocates Data Request 18.1 (a). Distribution pole replacements are included in the line rebuild scope. As such, the Head Fire in California, starting around August 15 and lasting until September 15, impacted the completion of planned distribution pole replacements on the 25 miles of projects adjacent to the fire and loss of personnel working other projects in California.  (b)PacifiCorp has increased targeted contract crew resources for the fourth quarter of 2023. All design work for 2023 has been completed.  (c)PacifiCorp does not anticipate further delays.  (d)The end of year 2023 forecast is currently 2,000 distribution pole replacements. This based on completing 110 miles of line rebuild.  (e)PacifiCorp has secured contract resources that will be dedicated to planned construction projects including line rebuild projects. While not all contingencies can be planned for, it is expected that this will decrease the frequency that line rebuild construction crews are pulled off of projects to assist with operational response.  (f)PacifiCorp will evaluate 2024 and 2025 targets in the 2024 Wildfire Mitigation Plan (WMP) update based on the actual units completed in 2023 and project status for the remaining units in the three-year plan. This evaluation could include moving incomplete 2023 units into the 2024 or 2025 plan units.	Charles Madison Marybelle Ang Joseph Lam	11/8/2023	11/14/2023	11/14/2023	N/A				N/A	N/A	N/A
126	Cal Advocates	CalAdvocates-PacifiCorp-2023WMP-18	2023-WMP	3	CalAdvocates 18.3	PacifiCorp reports a total of 2,271 expulsion fuse replacements through the end of the 3rd quarter 2023.8 PacifiCorp's target for the end of the 3rd quarter of 2023 is 4,100 expulsion fuse replacements.9 a) What factors contributed to PacifiCorp only completing 2,271 expulsion fuse replacements rather than the targeted 4,100 expulsion fuse replacements by the end of the 3rd quarter of 2023? b) What steps is PacifiCorp taking to accelerate the expulsion fuse replacements process to cover the remaining 1,829 poles? c) Does PacifiCorp anticipate any further delays in the expulsion fuse replacements schedule, and if so, what are the contingency plans? d) Has PacifiCorp revised its expulsion fuse replacements targets for the next quarter or the remainder of the year, considering the current shortfall? e) What measures is PacifiCorp implementing to ensure that such a shortfall does not recur in future quarters? f) As of the end of the 3rd quarter of 2023, how many expulsion fuses existed on PacifiCorp's system? g) As of the end of the 3rd quarter of 2023, how many expulsion fuses existed in the HFTD on PacifiCorp's system? h) If PacifiCorp misses its 2023 annual target for this initiative, will it increase its work targets for 2024 or 2025 to rectify the shortfall?	(a)Delivery of the SMU-20 type fuses were delayed. These fuses started delivery the final two weeks in September 2023 with sufficient units available to initiate construction in mid-October 2023. Additional fuses are scheduled for delivery through the balance of the year including fuses for use in 2024.  (b)PacifiCorp has contracted sufficient crews to complete the balance of the 2023 plan in the fourth quarter of this year. Based on this the year end 2023 forecast remains unchanged.  (c)No further delays are anticipated.  (d)PacifiCorp has updated the fourth quarter 2023 target to incorporate the shortfall from prior quarters. Based on this update, the 2023 forecast remains unchanged.  (e)PacifiCorp has set up a longer term supply contract with material needs forecasts provided to the supplier. Material shortages for fuses are not anticipated to reoccur.  (f)An estimated total of 12,200 expulsion fuses are remaining on PacifiCorp's system within the state of California.  (g)An estimated 2,800 expulsion fuses are remaining within the Wildfire Mitigation Plan (WMP) scope for replacement. This includes all High Fire-Threat District (HFTD) fuses as well as some fuses outside the HFTD that must be replaced to maintain coordination of line protective devices on circuits that are only partially within the HFTD.	Charles Madison Marybelle Ang Joseph Lam	11/8/2023	11/14/2023	11/14/2023	N/A				N/A	N/A	N/A

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory
127	Cal Advocates	CalAdvocates-PacifiCorp-2023WMP-18	2023-WMP	4	CalAdvocates 18.4	PacifiCorp reports a total of 123 transmission intrusive pole inspections through the end of the 3rd quarter 2023.10 PacifiCorp's target for the end of the 3rd quarter of 2023 is 561 transmission intrusive pole inspections.11 a) What factors contributed to PacifiCorp only completing 123 transmission intrusive pole inspections rather than the targeted 561 transmission intrusive pole inspections by the end of the 3rd quarter of 2023? b) What steps is PacifiCorp taking to accelerate the transmission intrusive pole inspections process to cover the remaining 438 poles? c) Does PacifiCorp anticipate any further delays in the transmission intrusive pole inspections schedule, and if so, what are the contingency plans? d) Has PacifiCorp revised its transmission intrusive pole inspections targets for the next quarter or the remainder of the year, considering the current shortfall? e) What measures is PacifiCorp implementing to ensure that such a shortfall does not recur in future quarters? f) If PacifiCorp misses its 2023 annual target for this initiative, will it increase its work targets for 2024 or 2025 to rectify the shortfall?	(a)PacifiCorp had numerous access issues during the distribution visual/detailed/intrusive inspections which delayed the start of the transmission intrusive inspections. The access issues were also a delay factor during the transmission detail and intrusive inspections, with property owners requiring specific dates and times to be provided to access PacifiCorp's facilities.  (b)PacifiCorp has prioritized the remaining 438 poles to get inspection crews back on schedule. The Company has not encountered any further delays and the inspections are currently being completed.  (c)No. PacifiCorp does not anticipate any further delays in the transmission intrusive pole inspections schedule.  (d)Yes. The targets were reassessed and reworked due to the access issues the inspection crews encountered. PacifiCorp has dispatched additional resources to complete the remainder of the transmission intrusive pole inspections.  (e)PacifiCorp is implementing two measures as a result of the delays in the transmission intrusive pole inspections. This includes:  1.Transmission intrusive pole inspections will be prioritized earlier in the year in the inspection schedule. This will provide additional time to prioritize inspections with potential access issues, resolve potential access issues, and deploy additional resource if any future delays occur.	Charles Madison Marybelle Ang Joseph Lam	11/8/2023	11/14/2023	11/14/2023	N/A			N/A	N/A	N/A	
128	OEIS	OEIS-P-WMP_2023-PC-008	2023-WMP	1	OEIS 8.1	Regarding Revision Notice Response RN-PC-23-04: a. PacifiCorp's Revision Notice Response to RN-PC-23-041 addresses several of the concerns raised by Energy Safety <sup>2</sup> regarding PacifiCorp's classification and response to Level 1 work orders. However, PacifiCorp does not include the responses in its Revised WMP.3 i. Energy Safety required PacifiCorp to update its WMP4 with the following: (1) A plan to determine which failure modes can result in imminent threats; (2) A strategy to perform audits on inspections that have resulted in the identified failure modes; (3) An evaluation of all Level 1 work orders created from 2020 to 2023; (4) A description of PacifiCorp's procedures and capability to track interim repairs to imminent threat conditions; and (5) A process to update procedures, inspection practices and training materials to identify imminent threats. While PacifiCorp responded to these remedies in its Revision Notice Response, it did not include any of this relevant information in its Revised WMP as directed in Energy Safety's Revision Notice, and only updated Section 8.1.6 to state that it has evaluated its current procedures and protocols, and reviews procedures and protocols on an annual basis.5 Confirm PacifiCorp intended its Section 8.1.6 of the Revised WMP to correspond with the information provided in its Revision Notice Response.6 ii. Energy Safety also required PacifiCorp to update Section 8.1.7 with the following: (1) Resourcing allocation plans for workforce and equipment needs; (2) An update on open level 1 work orders at Revised WMP publication; and (3) A plan to analyze the delays PacifiCorp faced resolving Level 1 work orders in a	Improvements will be implemented to existing processes so that inspection crews please refer to Attachment OEIS 8.1 which provides a copy of the PacifiCorp's 2023 Revised Wildfire Mitigation Plan (WMP) and specifically refer to Section 8.1.6, pages 161-163 and Section 8.1.7, pages 165-167.	Jessica McHale	11/16/2023	11/21/2023	1/122/23	N/A	1	Attach OEIS 8.1		8 WILDFIRE MITIGATIONS	8.1 GRID DESIGNS, OPERATIONS, AND MAINTENANCE	8.1.6 Quality Assurance and Quality Control & 8.1.7 Open Work Orders
129	OEIS	OEIS-P-WMP_2023-PC-009	11/20/2023	1	OEIS 9.1	Regarding PacifiCorp's AFN customers: a. On page 306 of its WMP, PacifiCorp states that as of January 17, 2023, its total AFN population was 781 customers. However, PacifiCorp also states that, as a result of an update made to its CARE application in 2021, "an additional 1,470 AFN customers (total) throughout the service territory." <sup>1</sup> It appears the number of AFN customers in PacifiCorp's service territory has decreased since 2021. i. Please confirm the number of additional AFN customers identified as a result of PacifiCorp's 2021 update to its CARE application. ii. Please confirm the total number of AFN customers in PacifiCorp's service territory after additional AFN customers were accounted for as a result of PacifiCorp's 2021 update to its CARE application (i.e., the sum of PacifiCorp's total AFN customers pre-CARE application updates plus PacifiCorp's additional AFN customers post-CARE application updates). iii. Please confirm the total number of AFN customers in PacifiCorp's territory as of January 17, 2023.		Jessica McHale	11/20/2023	11/27/2023		N/A						
130	OEIS	OEIS-P-WMP_2023-PC-009	11/20/2023	2	OEIS 9.2	Regarding Lessons Learned: a. In Section 10 of its WMP, PacifiCorp provides Table 10-1 "Lessons Learned"; however, PacifiCorp did not provide a narrative on its lessons learned. <sup>2</sup> Provide the following: i. A brief narrative describing the new key lessons learned since PacifiCorp's 2022 WMP Update and a status update on any ongoing improvements due to existing lessons learned. ii. A summary of how PacifiCorp continuously monitors and evaluates its wildfire mitigation efforts to identify lessons learned. This must include various policies, programs, and procedures for incorporating feedback to make improvements.		Jessica McHale	11/20/2023	11/27/2023		N/A						

Count	Party Name	DR Set #	Data Request	Question No.	Question ID	Question	Responses	Requestor	Date Received	Due Date	Date Sent	Link	Number of Attachments	Attachment Name	NDA Required	WMP Section	Category	Subcategory	
131	OEIS	OEIS-P-WMP_2023-PC-009	11/20/2023	3	OEIS 9.3	Regarding PacifiCorp's Risk Assessment Improvement Plan: a. On page 100 of its WMP, PacifiCorp provides Table 6-10 "Risk Assessment Improvement Plan". This table is missing timeframes and key milestones for multiple of PacifiCorp's proposed improvements. Please provide an updated table to include the timeframe and key milestones for each proposed improvement.		Jessica McHale	11/20/2023	11/27/2023		N/A							