



Public Advocates Office Data Request

No. CalAdvocates-PacifiCorp-2023WMP-15
Proceeding: 2023-2025 Wildfire Mitigation Plans

Date of issuance: Thursday, June 8, 2023

Responses due: Tuesday, June 13, 2023

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INSTRUCTIONS

You are instructed to answer the following Data Request in the aforementioned proceeding, with written, accurate responses pursuant to Public Utilities Code §§ 309.5(e) and 314, Rule 1.1 of the California Public Utilities Commission's (CPUC) Rules of Practice and Procedure, and the Office of Energy Infrastructure Safety's (OEIS) guidelines for Wildfire Mitigation Plan (WMP) discovery.¹

Restate the text of each data request question prior to providing the response. Provide the name and title of the responding individual (i.e., the person responsible for the content of your answer) for each data request question. If the responding individual is not your employee, please provide their name, title, and employer, as well as the name and title of your employee who is directly responsible for the work of the responding individual.

Please send your responses and inquiries to the originators of this data request (that is, the Public Advocates Office employees and attorneys listed on the cover page), with copies to the following representatives of the Public Advocates Office:

1. CalAdvocates.WildfireDiscovery@cpuc.ca.gov
2. Henry.Burton@cpuc.ca.gov
3. Charles.Madison@cpuc.ca.gov

Requests for Clarification: If a request, definition, or an instruction, is unclear, please notify the originators in writing as soon as feasible, including a specific description of what you find unclear and why. If possible, please provide a proposal for resolving the issue. In any event, unless directed otherwise by the originators, answer the request to the fullest extent possible, explain why you are unable to answer in full, and describe the limitations of your response.

Incomplete responses: If you are unable to answer a question completely, accurately, and with the specificity requested, notify the originators as soon as possible. If possible, please provide a proposal for resolving the issue. In your written response to the question, explain why you are unable to answer in full and describe the limitations of your response.

Timing of responses: Please respond to each question as soon as your complete response to that specific question is available, and no later than the due date listed on the cover sheet.

Deadline extension requests: If you are unable to provide a complete response to each question by the due date noted on the cover page, contact the originators in writing to request a deadline extension. In your deadline extension request, please (1) specify the questions affected by the delay, (2) propose an alternative response date and (3) provide a written explanation as to why the deadline cannot be met. Please submit your deadline extension request as soon as feasible. To

¹ Office of Energy Infrastructure Safety, *Final 2023-2025 Wildfire Mitigation Plan Process and Evaluation Guidelines*, December 6, 2022, Section 8 (pp. 13-17).

comply with OEIS discovery guidelines, you must submit an extension request to the originators at least 2 business days prior to the due date.²

Objections: If you object to any portion of this Data Request, please submit your objections, including the specific legal basis for each objection, to the originators as soon as possible.

Response format: Responses should be provided in the original electronic format if available, and otherwise, in hard copy. (If available in Word or Excel format, send the Word or Excel document not a PDF file.)

- All electronic documents submitted in response to this data request should be in readable, downloadable, printable, and searchable formats, unless use of such formats is infeasible.
- Each page should be numbered.
- If any of your answers rely on, refer to or reflect calculations that are not shown therein, provide a copy of the supporting electronic files that were used to derive such calculations, such as Excel spreadsheets or computer programs, with data and formulas intact and functioning.
- Voluminous documents produced in response to the data request should be Bates-numbered and indexed.
- Responses to the data request that refer to or incorporate documents should clearly identify the particular documents referenced, including the title and page number or, if available, Bates-numbers or Bates-range.

Other questions: For any questions, email the originators.

DEFINITIONS

- A. As used herein, the terms “you,” “your(s),” “Company,” and “PacifiCorp” mean PacifiCorp d/b/a Pacific Power and any and all of its respective present and former employees, agents, consultants, attorneys, and officials, and any and all other persons acting on its behalf.
- B. The terms “and” and “or” shall be construed either disjunctively or conjunctively whenever appropriate in order to bring within the scope of this Data Request any information or documents which might otherwise be considered to be beyond their scope.
- C. Date ranges shall be construed to include the beginning and end dates named. For example, the phrases “from January 1 to January 31,” “January 1-31,” “January 1 to 31,” and “January 1 through January 31” should be understood to include both the 1st of January and the 31st of January. Likewise, phrases such as “since January 1” and “from January 1 to the present”

² Deadline extension requests are due to OEIS at least one business day before the deadline, prior to which the electrical corporation “must first make a good-faith effort to ask the stakeholder making the request to agree to the extension.” Office of Energy Infrastructure Safety, *Final 2023-2025 Wildfire Mitigation Plan Process and Evaluation Guidelines*, December 6, 2022, p. 15.

should be understood to include January 1st, and phrases such as “until January 31,” “through January 31,” and “up to January 31” should also be understood to include the 31st.

- D. The singular form of a word shall be interpreted as plural, and the plural form of a word shall be interpreted as singular whenever appropriate in order to bring within the scope of this Data Request any information or documents which might otherwise be considered to be beyond their scope.
- E. The term “communications” includes all verbal and written communications of every kind, including but not limited to telephone calls, conferences, notes, correspondence, and all memoranda concerning the requested communications. Where communications are not in writing, provide copies of all memoranda and documents made relating to the requested communication and describe in full the substance of the communication to the extent that the substance is not reflected in the memoranda and documents provided.
- F. The terms “document,” “documents,” or “documentary material” include, without limitation, the following items, whether in electronic form, printed, recorded, or written or reproduced by hand: reports, studies, statistics, projections, forecasts, decisions, orders, intra-office and interoffice communications, correspondence, memoranda, financial data, summaries or records of conversations or interviews, statements, returns, diaries, calendars, work papers, graphs, notebooks, notes, charts, computations, plans, drawings, sketches, computer printouts, summaries or records of meetings or conferences, summaries or reports of investigations or negotiations, opinions or reports of consultants, photographs, bulletins, records or representations or publications of any kind (including microfilm, videotape, and records however produced or reproduced), electronic or mechanical or electrical records of any kind (including, without limitation, tapes, tape cassettes, discs, emails, and records), other data compilations (including, without limitation, input/output files, source codes, object codes, program documentation, computer programs, computer printouts, cards, tapes, and discs and recordings used in automated data processing, together with the programming instructions and other material necessary to translate, understand, or use the same), and other documents or tangible things of whatever description which constitute or contain information within the scope of this Data Request.
- G. “Relate to,” “concern,” and similar terms and phrases shall mean to consist of, refer to, reflect, comprise, discuss, underlie, comment upon, form the basis for, analyze, mention, or be connected with, in any way, the subject of this Data Request.
- H. “Identify”:
 - i. When used in reference to a Company employee, “identify” includes stating their full name and title.

- ii. When used in reference to a consultant or contractor for the Company, “identify” includes stating the person’s name, title, and employer, and the name and title of the Company employee who is directly responsible for the work of the consultant.
 - iii. When used in reference to a person who is not a current Company employee, consultant or contractor, “identify” includes stating the person’s name; most recent title and supervisor at the Company; and most recent known employer, title/position, and business address.
 - iv. When used in reference to documents, “identify” includes stating the nature of the document (e.g., letter, memorandum, study), the date (if any), the title of the document, the identity of the author, and the general subject matter of the document. For documents not publicly available, please also provide the location of the document, and identify the person having possession, control or custody of the document.
- I. When requested to “state the basis” for any statement (i.e., any analysis, workpaper, study, proposal, assertion, assumption, description, quantification, or conclusion), please describe every fact, statistic, inference, supposition, estimate, consideration, conclusion, study, report, and analysis available to you which you believe to support the statement, or which you contend to be evidence of the truth or accuracy thereof.
 - J. “CPUC” and “Commission” mean the California Public Utilities Commission.
 - K. “Cal Advocates” means the Public Advocates Office at the California Public Utilities Commission.
 - L. “Energy Safety” and “OEIS” mean the California Office of Energy Infrastructure Safety.
 - M. “WMP” means wildfire mitigation plan. Unless otherwise specified, this refers to the 2023-2025 WMP.
 - N. “GIS” means Geographic Information System.
 - O. “HFTD” means High Fire-Threat District as defined in CPUC General Order 95, Section II, item 21.2(D), and CPUC Decision 17.01.009 (pp. 39-40; Ordering Paragraphs 1 and 1(mm)) (“Fire Map 2”).³ This term encompasses three areas:
 - a. Tree Mortality High Hazard Zone (HHZ) 1 on the U.S. Forest Service - CAL FIRE joint map of Tree Mortality HHZs (see D.17-01-009, pp. 39-40);
 - b. HFTD Tier 2, the elevated wildfire risk area included in Shape C map of the CPUC Fire-Threat Map (“Fire Map 2”) that was adopted in D.17.01.009, pp. 39-40; and

³ As modified by Commission Decision 20-12-030.

- c. HFTD Tier 3, the extreme wildfire risk area included in Shape C map of the CPUC Fire-Threat Map (“Fire Map 2”) that was adopted in D.17.01.009, pp. 39-40.
- P. “Non-HFTD” means areas that are not designated as HFTD according to the definition above.
- Q. “Tier 2” means HFTD Tier 2, as defined in D.17.01.009, pp. 25, 39-40 and Ordering Paragraph 1(v).
- R. “Tier 3” means HFTD Tier 3, as defined in D.17.01.009, pp. 25, 39-40 and Ordering Paragraph 1(v).
- S. “Other HFTD” means areas *outside of Tier 2 and Tier 3* that are designated as HFTD because they are included in Tree Mortality High Hazard Zone 1.

DATA REQUEST

The following questions relate to your 2023-2025 WMP submission.

Question 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 .

Question 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?

Question 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.

Question 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.

Question 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?

Question 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 strategy of decreasing system hardening targets over time optimally reduce risk?

Question 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?

Question 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?

Question 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?

Question 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?

Question 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.

Question 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?

END OF REQUEST