**PUBLIC ADVOCATES OFFICE DATA REQUEST**

**No. CalAdvocates-PacifiCorp-2021WMP-04**

**Proceeding: 2021 Wildfire Mitigation Plans**

Date of issuance: April 1, 2021

Response requested: April 5, 2021

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| To: **Betsy Watkins**PacifiCorp **Tim Clark**PacifiCorp**Data Request Response Center**PacifiCorp | Email: Betsy.Watkins@PacifiCorp.comEmail: Tim.Clark@pacificorp.comEmail: datarequest@pacificorp.com |
| From: **Matthew Yunge** Senior Utilities Engineer Public Advocates Office **Matthew Karle** Regulatory Analyst Public Advocates Office**Carolyn Chen**AttorneyPublic Advocates Office | Phone: (415) 703-1667Email: Matthew.Yunge@cpuc.ca.govPhone: (415) 703-1850Email: Matthew.Karle@cpuc.ca.govPhone: (415) 703-1980Email: Carolyn.Chen@cpuc.ca.gov |

**Instructions**

You are instructed to answer the following Data Requests in the above-captioned proceeding, with written, verified responses per Public Utilities Code §§ 309.5(e) and 314, and Rules 1.1 and 10.1 of the California Public Utilities Commission’s Rules of Practice and Procedure. Restate the text of each request prior to providing the response. Identify the person providing the answer to each data request and his/her contact information.

Please send your response to the Originator and e-copies to the following Public Advocates Office representatives:

Henry.Burton@cpuc.ca.gov

Provide your response as it becomes available, but no later than the due date noted above. If you are unable to provide a response by this date, notify the Originator **at least** 1 day before the data request is due and provide a written explanation as to why the response date cannot be met and a best estimate of when the information can be provided. Please identify the person who will be providing the response and their phone number and email address.

Responses should be provided in the original electronic format, if available, and if not, in hard copy. (If available in Word format, send the Word document and do not send the information as 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 refer to or reflect calculations, provide a copy of the supporting electronic files that were used to derive such calculations, such as Excel-compatible spreadsheets or computer programs, with data and formulas intact and functioning. Documents produced in response to the data requests should be Bates-numbered and, if voluminous, indexed.  Responses to data requests that refer to or incorporate documents should identify the particular documents referenced by Bates-numbers or Bates-range.

For any questions, email the Public Advocates Office contact(s) above with a copy to the Public Advocates Office attorney. If you are unable to answer a question completely, accurately, and with the specificity requested, notify the Public Advocates Office as soon as possible. In your written response to the question, explain why you are unable to answer in full and describe the limitations of your response.

**DEFINITIONS**

A. As used herein, the terms “you,” “your(s),” “Company,” and “PacifiCorp” mean PacifiCorp 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 these Data Requests 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” 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 these Data Requests 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 these data requests

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 these Data Requests.

1. “Identify”:
	1. When used in reference to a person, includes stating their full name, most recent known business address and telephone number, and present title or position;
	2. When used in reference to documents, includes stating the nature of the document (e.g., letter, memorandum), the date (if any), the title of the document, the identity of the author and/or the document, the location of the document, the identity of the person having possession, control or custody of the document, and the general subject matter of the document.
2. When requested to “state the basis” for any analysis (including studies and workpapers), proposal, assertion, assumption, description, quantification, or conclusion, please describe every fact, statistic, inference, supposition, estimate, consideration, conclusion, study, and analysis known to you which you believe to support the analysis, proposal, assertion, assumption, description, quantification, or conclusion, or which you contend to be evidence of the truth or accuracy thereof.
3. HFTD means High Fire-Threat District.

**Data Requests**

The following questions relate to PacifiCorp’s 2021 Wildfire Mitigation Plan (WMP).

**Question 1**

Please provide an Excel table that lists the following for each circuit that PacifiCorp plans to install covered conductor on in 2021:

1. The name of the circuit
2. The circuit ID number
3. The miles of covered conductor that PacifiCorp plans to install on the circuit
4. The forecasted start date of covered conductor installation
5. The forecasted end date of covered conductor installation
6. Whether it is a one-phase or three-phase circuit

**Question 2**

On page 130 of its 2021 WMP, PacifiCorp states that it intends to install covered conductor on all single-phase distribution circuits that are in HFTD.

* + 1. How many circuit miles of single-phase distribution circuits in PacifiCorp’s service territory are located in HFTD?
		2. Does PacifiCorp intend to install covered conductor on any three-phase distribution circuits in 2021?
		3. How many years does PacifiCorp expect it will take to replace all single phase conductor within the HFTD with covered conductor?
		4. Do PacifiCorp’s current construction standards for new single phase distribution lines within the HFTD require the use of covered conductor?

**Question 3**

On pp. 130-131 of PacifiCorp’s 2021 WMP update, PacifiCorp describes its program for installing covered conductor in the HFTD. PacifiCorp indicates that the program has two main components: installing insulated cable on all single-phase overhead conductor circuits, and installing spacer cable on multi-phase overhead conductor circuits.

1. In 2020, PacifiCorp reports installing 1.4 miles of covered conductor. Please break out the mileage installed into: installing insulated cable on single-phase circuits; installing insulated cable on three-phase circuits; and installing spacer cable on multi-phase circuits.
2. In 2020, PacifiCorp reports spending a total of $4.3 million for this program. Please break out total cost into: installing insulated cable on single-phase circuits; installing insulated cable on three-phase circuits; and installing spacer cable on multi-phase circuits.
3. In 2021, PacifiCorp forecasts installing 81.2 miles of covered conductor. Please break out the mileage installed into: installing insulated cable on single-phase circuits; installing insulated cable on three-phase circuits; and installing spacer cable on multi-phase circuits.
4. In 2021, PacifiCorp forecasts spending a total of $15 million for this program. Please break out total cost into: installing insulated cable on single-phase circuits; installing insulated cable on three-phase circuits; and installing spacer cable on multi-phase circuits
5. In 2022, PacifiCorp forecasts installing 49.8 miles of covered conductor. Please break out the mileage installed into: installing insulated cable on single-phase circuits; installing insulated cable on three-phase circuits; and installing spacer cable on multi-phase circuits.
6. In 2022, PacifiCorp forecasts spending a total of $11.6 million for this program. Please break out total cost into: installing insulated cable on single-phase circuits; installing insulated cable on three-phase circuits; and installing spacer cable on multi-phase circuits

**Question 4**

1. Has PacifiCorp used drones to conduct inspections at any time since January 1, 2018?
2. If PacifiCorp has used drones for inspections at any time since January 1,2018, provide a description of the types of inspections that PacifiCorp for which has used drones.
3. If PacifiCorp has used drones for inspection at any time since January 1. 2018, provide a table that shows the number of findings that PacifiCorp has identified with drones. Separate the number of findings by each type of inspection for which PacifiCorp has used drones; by each priority level used by PacifiCorp; and by year.

**Question 5**

Provide the analysis that PacifiCorp used to select the numerical PSPS Watch thresholds for:

1. Hourly Fosberg Fire Weather Index
2. The Keetch-Byram Drought Index
3. Forecasted sustained wind speeds
4. Forecasted wind gust speeds

**Question 6**

On p. 136 of PacifiCorp’s 2021 WMP update, PacifiCorp states that it “does not currently have a specific grid design and system hardening wildfire mitigation program focused on maintenance, repair, and replacement of connectors, including hotline clamps.”

1. Please describe the types of connectors used on PacifiCorp’s transmission and distribution lines in the HFTD.
2. Does PacifiCorp have any hotline clamps currently in use in the HFTD, or in California overall?

**Question 7**

On p. 182 of PacifiCorp’s 2021 WMP update, PacifiCorp describes its plans to deploy Community Support Centers “should the need arise during a Public Safety Power Shutoff event.”

1. Did PacifiCorp deploy Community Support Centers during its September 8, 2020 PSPS event?
2. If yes, please describe the deployment, including hours of operation and number of customer interactions.
3. If no, please explain why PacifiCorp did not deploy Community Support Centers.

**Question 8**

Tables 3-1 and 3-2 on p. 23 of PacifiCorp’s 2021 WMP update provide a summary of WMP expenditures and expenditures by category for the years 2020-2022.

1. Please confirm that the figures in tables 3-1 and 3-2 are correct.
2. If these figures are correct, please explain the discrepancy between the figures in table 3-1 for 2020 planned and actual spend compared to the figures in table 3-2 for total planned and actual spend for 2020.
3. If the figures in tables 3-1 and 3-2 are incorrect, please provide corrected versions.

**Question 9**

On p. 170 of PacifiCorp’s 2021 WMP update, PacifiCorp states the following:

PacifiCorp has adopted expanded post work minimum clearance distances, of at least twelve (12) feet for all distribution lines and at least twenty (25) feet for transmission lines under 115 kV…

1. Please clarify PacifiCorp’s adopted post trim minimum clearance distance for transmission lines under 115kV.
2. PacifiCorp’s statement above refers to clearances of “at least” a minimum distance. For both distribution and transmission circuits, in what circumstances does PacifiCorp implement clearances distances above the minimum?
3. What circuit voltages does PacifiCorp classify as transmission?

**END OF REQUEST**