



State of California – Natural Resources Agency
OFFICE OF ENERGY INFRASTRUCTURE SAFETY
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Gavin Newsom, Governor
Caroline Thomas Jacobs, Director

TRANSMITTED VIA ELECTRONIC MAIL

DATA REQUEST

Request Date: Friday May 20, 2022

Response Due: Wednesday May 25, 2022

To: Megan Buckner
Director of Wildfire Mitigation Program Delivery
Megan.Buckner@PacifiCorp.com
PacifiCorp
825 NE Multnomah St, Suite 2000, Portland, OR 97232

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Originator: Jessica McHale, Wildfire Safety Analyst
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Data Request Number: OEIS-PC-22-001

Subjects:

- Q01. Expenditure Discrepancies
- Q02. Weather Stations
- Q03. Continuous Monitoring Sensors
- Q04. Fuel Moisture Sampling
- Q05. HD Camera Installation
- Q06. Fire Potential Index
- Q07. Maturity Survey

INSTRUCTIONS

- a. Provide all information in your possession, custody, or control, or the possession, custody, and/or control of your affiliates or agents, that is responsive to these data requests by the due date identified above.
- b. Responses and documents may be produced and served electronically, but they must be fully machine-readable and searchable.
- c. If you have any questions about the meaning or scope of the data requests herein, direct such questions to the Energy Safety staff identified as the “Originator” of this request at your earliest opportunity.
 - i. Lack of clarity on meaning or scope of requests without prior request for clarification from the “Originator” will not be a permissible reason for incomplete responses and will be regarded as non-compliance with the request.
- d. Identify the personnel (e.g., employees, consultants, agents, etc.) who provided information responsive to each of the data requests below. As used in this context herein, “identify” means to provide the full name, business address, and title of each employee, consultant, or agent who provided such information.
- e. If you do not know the exact answer to any of the requests below, please so indicate and provide your best estimate.
- f. Provide data in its original format (e.g., PDF, Excel, GIS shapefile, etc.), unless otherwise specified in the request.
- g. Send your response to Jessica McHale (Jessica.McHale@energysafety.ca.gov), sending a copy to:
 - i. Suzie Rose (Suzie.Rose@energysafety.ca.gov)
 - ii. Nicole Dunlap (Nicole.Dunlap@EnergySafety.ca.gov)
 - iii. Sara Moore (Sara.Moore@energysafety.ca.gov)
 - iv. Emily Ginsburg (Emily.Ginsburg@EnergySafety.ca.gov)
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 - viii. Noe Rojas (Noe.Rojas@energysafety.ca.gov)
 - ix. Jeff Fuentes (Jeff.Fuentes@fire.ca.gov)

REQUEST

Q01. Expenditure Discrepancies

- a. In PacifiCorp's non-spatial data Table 12, there are many instances of WMP expenditure totals not matching those in WMP Tables 3.1-1 and 3.1-2. For example, according to Table 12 of its Q1 2022 Quarterly Data Report ("20220502T144302_QDR.xlsx"), PacifiCorp's territory spend in 2020 was \$10,003.2 (\$ thousands; summing columns AA and AC); however, according to Tables 3.1-1 and 3.1-2 from its 2022 WMP Update (pp. 27-28), PacifiCorp's territory spend in 2020 was \$19,416 (\$ thousands). There are many such expenditure discrepancy examples. Please clarify which totals are correct by submitting updated WMP Tables 3.1-1 and 3.1-2 and/or a revised Table 12 in excel format, whichever is deemed necessary to rectify the errors.
 - i. For reference, the following have been found with discrepancies between PacifiCorp's Table 12 versus its 2022 WMP Update Tables 3.1-1 and/or 3.1-2:
 - (1) Territory spend – 2020 Actual (described above)
 - (2) Territory spend – 2021 Actual
 - (3) Situational Awareness spend – 2021 Actual
 - (4) Grid Design and System Hardening spend – 2020 Actual, 2021 Actual, and 2022 Projected/Planned
 - (5) Vegetation Management spend – 2021 Actual
 - (6) Resource Allocation spend – 2020 Actual
 - (7) Emergency Planning and Preparedness spend – 2022 Projected

Q02. Weather Stations

- a. How many of PacifiCorp's weather stations are Remote Automatic Weather Stations (RAWS)?
- b. How many of PacifiCorp's weather stations are Micro Weather Stations (MWS)?
- c. Are any of PacifiCorp's weather stations outfitted with 10hr fuel moisture sensors?
- d. Are any of PacifiCorp's weather stations able to report weather observations more frequently than every 10 minutes?
- e. What is the total number of weather stations PacifiCorp plans to have deployed in its weather station network for optimal density?

Q03. Continuous Monitoring Sensors

- a. In Table 5.2 (WMP Table 5.3-1) on page 115 of PacifiCorp's 2022 WMP Update, the 2021 target for "Continuous monitoring sensors" is 22, with a completion of only 2 in 2021.

- i. Please provide details on the missed target of 22.
- ii. If the target number is inaccurate, please provide the correct number of sensors targeted in 2021.

Q04. Fuel Moisture Sampling

- a. Does PacifiCorp conduct fuel moisture sampling for live vegetation?

Q05. HD Camera Installation

- a. In section 4.4.1.1 and 7.3.2.2 PacifiCorp describes developing a new wildfire detection program.
 - i. In 2022, how many HD Cameras does PacifiCorp plan to install in its CA service territory?
 - ii. Will PacifiCorp be leveraging Satellite Fire Detection as part of its wildfire detection program?

Q06. Fire Potential Index

- a. Does PacifiCorp currently have a Fire Potential Index (FPI) or another metric that serves as an FPI?
 - i. If not, describe how PacifiCorp plans to develop an FPI.

Q07. Maturity Survey

- a. In question B.I.b of PacifiCorp's 2022 Wildfire Mitigation Plan Maturity Survey (2022 Maturity Survey), PacifiCorp plans to automatically validate field calibrations on its weather stations by January 2023.
 - i. Provide details on what work PacifiCorp is doing in 2022 to meet this goal.
- b. In question B.V.b of PacifiCorp's 2022 Maturity Survey, PacifiCorp anticipates having well-defined equipment for detecting ignitions along the grid by January 2023.
 - i. Provide details on what type of equipment PacifiCorp plans to have installed in 2022 to meet this goal.

END OF REQUEST