WRA EXHIBIT 4

PacifiCorp's Response to Sierra Club Data Request 2.2

25-035-22 / Rocky Mountain Power
June 30, 2025
Sierra Club Data Request 2.2

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Modeling Portfolio Integration - As stated in Chapter 7 on page 211 of Volume I of the PacifiCorp's Final 2025 IRP:

"The initial integration step has the potential to result in compliance shortfalls, as a portion of the resources that were identified for compliance may be shared with other jurisdictions. Thus, the final step of the integration process is to identify and remedy any such shortfalls in energy and capacity compliance".

(a) Please specify exactly what is done to complete the "final step" of the integration process to ensure energy and capacity compliance and "remedy any shortfalls.

(b) Please confirm that after the jurisdictional portfolios are integrated that there are additional LT and ST runs completed.

   i. If confirmed, are there any adjustments made to the LT and ST Integration runs (e.g., granularity adjustments, reliability adjustments, end effects, etc.)?

(c) Please detail the process that PacifiCorp is using to evaluate the integrated runs to ensure that the models are not underbuilding or overbuilding resources.

(d) Please detail the process that PacifiCorp is using to evaluate the integrated runs to ensure that the integrated model is least-cost compared to a system-level model.

(e) Please confirm that the MN Base integrated portfolio is the preferred portfolio.

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(a) If it was determined that an integrated portfolio would not meet energy or capacity compliance for a particular jurisdiction, remedying the shortfalls involved one of the following actions: the allocation of a proxy resource could be adjusted, or resources could be added to the portfolio.

(b) The optimized resource selections from each jurisdictional portfolio were integrated in a long-term (LT) model run. This LT model run endogenously selected proxy transmission lines to serve these resources. The battery, generator, and line units files generated by this LT model were passed to the short-term (ST) model to optimize systemwide dispatch. Model reports for these integrated LT and ST runs were included in the work papers supporting

PacifiCorp's 2025 Integrated Resource Plan (IRP).

i. No.

(c) The final step of the integration process explained in the 2025 IRP and in the Company's response to subpart (a) above addresses possible underbuilding of resources. There is no process to address the overbuilding of resources, and it would not make sense to have one. The goal of the integration process is to create a systemwide portfolio that reflects as closely as possible each jurisdiction's optimized resource selections. In support of this goal, the modeling of energy and capacity compliance in jurisdictional models anticipates the integration step by requiring that jurisdictions count for compliance-only resources that can be included in the final integrated portfolio as serving that jurisdiction's compliance. As an example, in the Utah/Idaho/Wyoming/California (UIWC) jurisdictional model, new proxy solar resources located in Central Oregon do not count towards UIWC's Western Resource Adequacy Program (WRAP) compliance given that Central Oregon solar can only serve Washington and Oregon compliance in the final integrated portfolio. This means that any resources on the East in the final integrated portfolio were specifically identified either as economic or necessary for compliance with UIWC WRAP.

(d) There is no such process. It does not make sense to compare an integrated portfolio that is compliant with jurisdictional requirements to a systemwide model that is not, and it is highly impractical to model compliance with all jurisdictional requirements in a single systemwide model.

(e) Confirmed.