

PacifiCorp - Stakeholder Feedback Form

2019 Integrated Resource Plan

PacifiCorp (the Company) requests that stakeholders provide feedback to the Company upon the conclusion of each public input meeting and/or stakeholder conference calls, as scheduled. PacifiCorp values the input of its active and engaged stakeholder group, and stakeholder feedback is critical to the IRP public input process. PacifiCorp requests that stakeholders provide comments using this form, which will allow the Company to more easily review and summarize comments by topic and to readily identify specific recommendations, if any, being provided. Information collected will be used to better inform issues included in the 2019 IRP, including, but not limited to the process, assumptions, and analysis. In order to maintain open communication and provide the broader Stakeholder community with useful information, the Company will generally post all appropriate feedback on the IRP website unless you request otherwise, below.

Date of Submittal 11/27/2018

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*Organization: Oregon Public Utility Commission

Address: 201 High Street Suite 100

City: Salem

State: Oregon

Zip: 97301

Public Meeting Date comments address: 11/1/2018

Check here if not related to specific meeting

List additional organization attendees at cited meeting:

[Click here to enter text.](#)

***IRP Topic(s) and/or Agenda Items:** List the specific topics that are being addressed in your comments.

Supply Side Resource Table

Check here if any of the following information being submitted is copyrighted or confidential.

Check here if you do **not** want your Stakeholder feedback and accompanying materials posted to the IRP website.

***Respondent Comment:** Please provide your feedback for each IRP topic listed above.

Public Utility Commission of Oregon Staff (Staff) appreciates PacifiCorp's presentation and information relating to the Supply Side Resource Table provided at the 2019 IRP Public Meeting held on Nov. 1, 2018. Staff offers the following comment requesting further clarity and additional information so as to more meaningfully participate in this process.

Slide 4 describes the \$10/MWh adder to west wind for third-party transmission. At the meeting PacifiCorp explained this is the fixed transmission charge to wheel across BPA, Avista or Puget's systems, multiplied by the capacity factor.

Please provide the following:

- Additional details on the wheeling rate assumptions.
- An example of the calculation.

PacifiCorp Response:

Using the currently effective Bonneville Power Administration rate (point to point (PTP)-18 rather than PTP-20), a sample calculation assuming a 1 megawatt (MW) wind facility operating at a 37.1% capacity factor is as follows:

- Long-term firm transmission service = \$1.471/kilowatt (kW)-month (mo) x 1,000 kW x 12 months = \$17,652/year (yr)

* Required fields

- Scheduling, Scheduling and Dispatch Service = $\$0.322/\text{kW-mo} \times 1,000 \text{ kW} \times 12 \text{ months} = \$3,864/\text{yr}$
 - Regulation & Frequency Response = $\$0.13/\text{MWh} \times 3,250 \text{ MWh}/\text{yr} = \$422/\text{yr}$
 - Variable Energy Resource Balancing Service (30/60 Committed Scheduling):
 - Regulating Reserves = $\$0.13/\text{kW-mo} \times 1,000 \text{ kW} \times 12 \text{ months} = \$1,560/\text{yr}$
 - Following Reserves = $\$0.42/\text{kW-mo} \times 1,000 \text{ kW} \times 12 \text{ months} = \$5,040/\text{yr}$
 - Imbalance Reserves = $\$0.46/\text{kW-mo} \times 1,000 \text{ kW} \times 12 \text{ months} = \$5,520/\text{yr}$
 - Losses: $1.9\% \times \$20.00/\text{megawatt hour (MWh)} \text{ (est.)} = \$1,235/\text{yr}$
 - Total: $\$35,293/\text{yr}$, or $\$10.86/\text{MWh}$
- Explain where in the supply side resource table this adder is applied (i.e., this adder is not applied in the capital levelized costs shown on slide 6, but please confirm whether it is applied in the supply side table posted on the website).

PacifiCorp Response:

Referring to PacifiCorp’s posted 2019 Supply-Side Resource document, the \$10/MWh Bonneville Power Administration wheeling cost is reported on pages 13 and 17, specifically in the Variable Costs (\$/MWh) section, O&M column. The document “November 1, 2018 – Supply Side Resource Table” is available here: <http://www.pacificorp.com/es/irp/pip.html>.

Data Support: If applicable, provide any documents, hyper-links, etc. in support of comments. (i.e. gas forecast is too high - this forecast from EIA is more appropriate). If electronic attachments are provided with your comments, please list those attachment names here.

[Click here to enter text.](#)

Recommendations: Provide any additional recommendations if not included above - specificity is greatly appreciated.

[Click here to enter text.](#)

Please submit your completed Stakeholder Feedback Form via email to IRP@PacifiCorp.com

Thank you for participating.

* Required fields