

PacifiCorp - Stakeholder Feedback Form

2023 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 2023 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 2022-02-24

*Name: Paul Notti

Title: _____

*E-mail: paul.notti@essinc.com

Phone: 5035054700

*Organization: ESS Inc.

Address: 26440 SW Parkway Avenue

City: Wilsonville State: _____ Zip: 97070

Public Meeting Date comments address: 02-25-2022 Check here if not related to specific meeting

List additional organization attendees at cited meeting: _____

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

Supply Side Energy Storage Solutions

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.

What changes are being made to IRP modelling that will determine marginal values from the flexibility and multiple use cases of long duration flow battery storage? With flow batteries, the extended duration (eg. going past 4 hours) comes at a very low marginal cost.

PacifiCorp Response:

The company is considering longer duration energy storage in the 2023 IRP. PacifiCorp is commissioning a study of the cost and performance characteristics of energy storage and expects the study to include cost information specific to long duration flow batteries. PacifiCorp will share the results of that study at a future 2023 IRP public-input meeting and discuss its proposed plan to model diverse storage options that reasonably capture the range of benefits energy storage is projected to provide.

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.

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

Ensure IRP model recognizes low marginal cost of adding duration, no degradation, and unlimited cycles with flow batteries.

* Required fields

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

Thank you for participating.

* Required fields