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BEFORE THE PUBLIC SERVICE COMMISSION OF UTAH

PacifiCorp's 2019 Integrated Resource Plan

Docket No. 19-035-02

**THE UTAH ASSOCIATION OF ENERGY USERS' QUESTIONS FOR
DECEMBER 10, 2019 TECHNICAL CONFERENCE**

Pursuant to the Scheduling Order issued November 6, 2019 by the Public Service Commission of Utah, the Utah Association of Energy Users ("UAE") hereby submits the following questions for discussion at the December 10, 2019 technical conference:

1. Please provide the projected annual change in revenue requirements for the forecast period that would result from Commission adoption of the preferred portfolio (using Company assumptions on costs as used in IRP).
2. Please identify and explain the assumptions utilized in the IRP for the capabilities of the battery storage system ("BSS") resources that are in the preferred portfolio, including capacity, ramp rate, frequency response, voltage support, etc.
3. Please explain in detail the Company's current understanding regarding BSS capabilities now and improvements in the coming years and the basis for that understanding.
4. Please identify the type of battery assumed in the preferred portfolio and the capabilities of that battery type vs. another battery type and discuss expected technology improvements in battery types over the coming years.

5. Please explain what benefits the Company expects to achieve by linking BSS and solar projects.

6. Please explain why the Company has delayed the retirement of Cholla 4? In the the 2017 IRP the Company assumed that Cholla 4 would close at the end of 2020. The Company then conducted studies to determine whether it would be more economical to close Cholla 4 in 2020 or convert it to a gas plant, and ultimately determined that closure in 2020 is more economical. The Company then stated in its 2017 IRP Update that it still assumed that Cholla 4 would close at the end of 2020. Now, the Company states that it expects to close Cholla 4 by January of 2023. Please explain in detail all of the reasons for the delay in closing Cholla 4?

If you would like to discuss these questions in advance of the technical conference,
please contact:

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DATED this 18th day of November, 2019.