

**EXH. RPB-5
DOCKETS UE-22 ___ /UG-22 ___
2022 PSE GENERAL RATE CASE
WITNESS: RYAN P. BLOOD**

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

**Docket UE-22 ___
Docket UG-22 ___**

**FOURTH EXHIBIT (NONCONFIDENTIAL) TO THE
PREFILED DIRECT TESTIMONY OF**

RYAN P. BLOOD

ON BEHALF OF PUGET SOUND ENERGY

JANUARY 31, 2022

FEDERAL ENERGY REGULATORY COMMISSION
Office of Energy Projects
Division of Dam Safety and Inspections – Portland Regional Office
805 SW Broadway, Suite 550
Portland, Oregon 97205
(503) 552-2700 Office - (503) 552-2799 Facsimile

3/12/2018

In reply refer to:
P-2150-WA

Mr. Ron Roberts
Director, Generation & Natural Gas Storage
Puget Sound Energy, Inc.
P.O. Box 97034, PSE-09N
Bellevue, Washington 98009-9734

Subject: BOC Meeting No. 6 Agenda, Report, and Plan & Schedule for the Lower
Baker Dam Development for the Baker River Project

Dear Mr. Roberts:

This is to acknowledge Mr. Tom Danielson's November 18, 2017 letter transmitting the Board of Consultants (BOC) Meeting Agenda and pre-meeting documents for the Lower Baker Dam Development, Baker River Hydroelectric Project, FERC No. 2150. This is also to acknowledge Mr. Danielson's January 29, 2018 letter transmitting the BOC Report for Meeting No. 6, and a Plan and Schedule to address the BOC report recommendations. We have reviewed the submitted information and have the following comments:

1. The meeting agenda included a CD with a number of draft reports that will be used as a basis for the grouting design. These reports should be included as appendices to a Design Documentation Report (DDR), or equivalent, which shall be submitted with the Plans and Specifications for FERC review and acceptance. The body of the DDR should summarize the results of the reports and how their findings and conclusions are consistent with the design intent.
2. In the Plan and Schedule, the abbreviated BOC Recommendation LB-6-3b states "the institution of LiDAR surveys to monitor and record the amount of rockfall experienced by the left abutment". However, the recommendation presented in the BOC report does not limit the LiDAR surveys to the left abutment, but states the surveys should "monitor and record the amount and intensity of rockfall

experienced from the canyon walls downstream of the dam”, and references a Shannon and Wilson, Inc. (S&W) rockfall report (Reference 7). In this referenced report, S&W recommends periodic LiDAR surveys for both the left and right abutments. Please revise the Plan and Schedule to complete periodic LiDAR surveys for both the left and right abutments. Also, please include the proposed annual LiDAR surveys in the next update to the Dam Safety Surveillance Monitoring Plan (DSSMP).

3. PSE’s response to recommendation LB-6-3 states “[t]he initial survey will be scheduled for this summer and the [LiDAR] surveys will continue annually until PSE deems them no longer necessary and receives concurrence for discontinuing from the BOC and/or FERC”. Discontinuation of the proposed LiDAR surveys should be based on an evaluation of existing or future developed Potential Failure Modes (PFMs) associated with rockfall and abutment stability issues. If this evaluation determines that the LiDAR surveys are no longer necessary, then PSE should seek concurrence/acceptance from FERC. The BOC can be consulted, but cannot substitute for FERC concurrence/acceptance.
4. The Plan and Schedule provides a number of dates that are summarized below for ease of reference. The proposed schedule is acceptable. It is our understanding that some of the proposed dates may change, and any proposed date changes will be coordinated with D2SI-PRO.
 - a. 60% Grouting Design = mid-March 2018
 - b. Grouting PFMA = April 4-6, 2018
 - c. Seismic Analysis = late May 2018
 - d. 60% Crest Modification Design = mid-June 2018, followed by a PFMA (to be scheduled)
 - e. 99% Grouting Design = last week of June 2018
 - f. BOC Meeting No. 7 = 2nd week of July 2018
 - g. New left abutment drilling and piezometer installation = no later than the end of summer 2018

Within 30 days of the date of this letter please provide a Plan and Schedule to address comments Nos. 1 & 2. Thank you for your continued cooperation and interest in

dam safety and emergency planning. If you have any questions, please contact Mr. Christopher Humphrey of this office at (503) 552-2711.

Sincerely,

A handwritten signature in blue ink that reads "Douglas L. Johnson". The signature is written in a cursive style with a large, prominent "D" and "J".

Douglas L. Johnson, P.E.
Regional Engineer

