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September 26, 2018
GO2-18-104
DIC 0015.65

Mr. Richie Graves
Columbia Hydropower Branch
National Marine Fisheries Service
1201 NE Lloyd Blvd, Suite 1100
Portland, Oregon 97232

US MAIL AND ELECTRONIC SUBMITTAL

Dear Mr. Graves:

Subject: FINAL INTAKE SCREEN MODELING RESULTS FOR COLUMBIA GENERATING STATION (NRC DOCKET 50-397)

References: 1) Endangered Species Act Section 7(a)(2) Biological Opinion, and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Response for Renewing the Operating License for the Columbia Generating Station, Richland, Washington (NWR-2011-05286).

2) Letter, GO2-18-011, January 18. Letter to R Graves (National Marine Fisheries Service) from SE Khounnala (Energy Northwest). *Intake Screen Modeling and Study Design for Columbia Generating Station. 2018*

3) Letter, GO2-18-073, May 3. Letter to R Graves (National Marine Fisheries Service) from SE Khounnala (Energy Northwest). *Intake Screen Modeling Results for Columbia Generating Station. 2018*

Per Reference 1, Biological Opinion, Section 2.d of the Terms and Conditions, I am writing to inform your agency that Energy Northwest has completed the computation fluid dynamics study of the Columbia Generating Stations (Columbia) intake screens and I am providing the required final report via this correspondence.

The modeling effort and results were completed based on the design approach outlined in Reference 2 and the initial report was provided to your agency staff for review (Reference 3). Energy Northwest and our contracting partners met with your agency on May 16, 2018 to discuss this effort and the findings contained in the results report. Following our meeting and the opportunity to address questions and comments, Energy Northwest was informed that there were no substantive comments to the report and we were instructed to submit a formal hard copy to your agency and the Nuclear Regulatory Commission.

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I would like to take the opportunity to thank your staff for the time and effort to complete the review and evaluation of the Computation Fluid Dynamics report and Columbia's intake structures. Energy Northwest has removed notations on the final report indicating the data within the report contained proprietary information. We are supportive of using the information contained within the final document to advance knowledge, training, or decision making related to intake structures and fish protection.

Again, thank you for your level of effort on this action. If you require any additional information, please contact me at (509) 377-8639.

Respectfully,

26/09/18 13:00:22 -07:00

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Khounnala, Shannon E. , Environme...


Shannon E. Khounnala
Environmental and Regulatory Programs Manager

SEK/nb

Enclosure: Computational Fluid Dynamics Analysis of Perforated Intake Screens at Columbia
Generating Station, April 2018.

Cc: Briana Grange, NRC
Lynne Krasnow, NMFS
NRC Document Control Desk, US Mail
Amy Moon, Energy Facility Site Evaluation Council, US Mail
Ellie Keys, Washington Department of Ecology, US Mail
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