



## Department of Energy

Official File

Bonneville Power Administration  
P.O. Box 3621  
Portland, Oregon 97208-3621

CORPORATE

February 26, 2004

In reply refer to: KDP-4

Ms. Cindy M. Wright, Mgr., Wholesale Contracts  
Seattle City Light  
700 Fifth Avenue, Suite 3300  
Seattle, WA 98104-5031

RE: FOIA Request #04-022

Dear Ms. Wright:

This letter responds to Seattle City Light's (SCL) Freedom of Information Act (FOIA) request to the Bonneville Power Administration (BPA) dated January 13, 2004, and designated as FOIA #04-022.

Specifically, you requested documents, data, studies, power flow base cases in raw data format, draw files, lists of contingencies used in the power flows, and loads/resources of all Puget Sound utilities that were used in the power flows, tabulations of study results, stability runs and corresponding plots, graphs, assumptions, work papers and results that support specific statements outlined in your letter as below:

1. "Adequate existing south-to-north capacity exists on the BPA transmission system so that no additional transmission facility would be needed in the northern Puget Sound area to deliver the entire Entitlement amount (approximately 1,400 MW) to the Blaine point of delivery." (Section 2.2.1.1, Transmission Construction, Blaine Point of Delivery, 1996 FEIS, page 2-4);
2. "However, delivering the Entitlement at Blaine might require accelerating the construction date of a new 500-kV transmission line across the Cascade Mountains in Washington. This new line was identified as one possible contingency to meet Puget Sound loads if they grow faster than expected and if most new generation is located east of the Cascades. Delivering the Entitlement at Blaine would represent a new load in the Puget Sound area, and a cross-Cascades line might have to be built several years earlier than would otherwise be the case. This line would be either a new double-circuit 500- kV line or an upgrade of an existing 345-kV line to 500-kV double circuit." (Section 2.2.1.1, Transmission Construction, Blaine Point of Delivery, 1996 FEIS, page 2-5);

3. "Sufficient south-to-north transmission capacity exists in the northern Puget Sound area to deliver the full Entitlement to Blaine; however, additional transmission capacity across the Cascades would be needed sooner than BPA now plans to add it." (Section 4.1.1.3, Blaine Point of Delivery, 1996 FEIS, pages 4-17);
4. "The Puget Sound EIS evaluated several alternative strategies to correct existing peak load reliability problems and to meet the projected growth in demand for electricity. A new cross-Cascades transmission line is one of the contingencies for the selected strategy." (Section 4.1.1.3, Blaine Point of Delivery, 1996 FEIS, pages 4-17);
5. "If, however, the full Entitlement is delivered at Blaine, additional cross-Cascades 500-kV transmission line capacity would be required within a few years after the turn of the century, possibly as early as 2005. The exact date is very sensitive to different assumptions about load growth and the location of new generation; however, it is clear that delivering the full Entitlement at Blaine would require new transmission several years before it would otherwise be required." (Section 4.1.1.3, Blaine Point of Delivery, 1996 FEIS, pages 4-17);
6. Puget Sound Area Electric Reliability Plan EIS (DOE, April 1992) cited in (Section 4.1.1.3, Blaine Point of Delivery, 1996 FEIS, pages 4-17).

Enclosed are the study results used to support the five statements in the 1996 FEIS on Canadian Entitlement. Power flow diagrams and descriptions are included in items 1 and 2 below.

1. Puget Sound Area Electric Reliability Plan – Final Environmental Impact Statement, DOE/FEIS-0160, April, 1992; Transmission Reinforcement Analysis, Appendix E, DOE/BP-1844, April 1992
2. Down Stream Benefits Return to Canada Transmission Technical Report
3. Documentation for Timing of Cross-Cascade Reinforcements (1993), and spreadsheet files are provided on CD (labeled ENTPS). See CCMETH.doc file on CD for explanation of methodology
4. Delivery of the Canadian Entitlement, Final Environmental Impact Statement, DOE/EIS-0197

Item six requested by SCL is included in Item 1 above.

This is all the information BPA has that is responsive to your request.

For your information, BPA has determined that release of power flow information could result in a national security risk. The power flow information we are providing to you does not reflect current loads and resources. Nevertheless, we ask that you consider the potential security risk in your use of this information.

You have agreed to pay fees to fulfill your requests. Costs to complete your request totaled \$1137.28 for research, review and copy. You will be billed for this amount under separate cover by our accounting department.

Sincerely,

A handwritten signature in cursive script that reads "Annie Eissler".

Annie Eissler  
Freedom of Information Officer

5 Enclosures