



## Department of Energy

Bonneville Power Administration  
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**TRANSMISSION BUSINESS LINE**

January 25, 2005

In reply refer to: TOP/PP02-2

Addressees

Subject: 2004 Infrastructure Technical Review Committee (ITRC) Report

### Background

The ITRC was formed in 2001 at the behest of some BPA customers to support BPA's efforts to secure funding for BPA's infrastructure proposals. The ITRC evaluates and works to prioritize BPA's proposed improvement projects in a manner that will provide the most cost-effective, reliable service for the region's consumers. Guidelines for the reviews are defined in the "Agreement for Annual Review of Major BPA Transmission Investments" dated July 18, 2001 and with an update added on January 15, 2002. The committee draws on individuals who are also members of the Northwest Power Pool (NWPP) Transmission Planning Committee (TPC) and the Operating Committee (OC). The committee's review is one of several reviews for BPA's proposals. BPA participates in the committee's work by submitting a report on proposed transmission investments and by facilitating the committee's review of those proposals. BPA does not vote on the committee's findings and does not finance the work of the ITRC.

Attached is the 2004 ITRC Report on the transmission infrastructure proposal that contains BPA's conclusions and recommendations to the review committee. The report addresses two projects summarized below:

**Olympic Peninsula Reinforcement (G-12):** This project was presented to the ITRC in 2002. However, due to a change in the proposed plan of service, BPA resubmitted this project for review. The need date for first contingency (N-1) outages continues to be later than initially estimated based on the most recent load forecasts. Planned curtailment of area load is permitted under the NERC/WECC Planning Standards for the exposure to double contingency (N-2) and bus outages provided that system cascading does not result. Opportunities for non-transmission alternatives are being pursued in parallel with the review of the proposed transmission fix.

**Lower Valley Area Reinforcement:** This project will increase the reliability of maintaining load service to the Lower Valley area. Without this project it would be necessary to curtail load to relieve voltage stability problems during normal winter peak load conditions for first contingency (N-1) outages. The normal winter temperature is 30 degrees Fahrenheit. Temperatures this low make reliable service imperative since the job of restoring load service is extremely difficult. Non-transmission alternatives will be evaluated and implemented in order to reduce peak hour transmission use in conjunction with the proposed project.

BPA will continue conducting annual reviews to evaluate and prioritize proposed major transmission projects in a manner that will provide the most cost-effective, reliable transmission service for the region's customers. The review committee supports BPA's findings and recommendations with respect to the projects identified in the attached report.



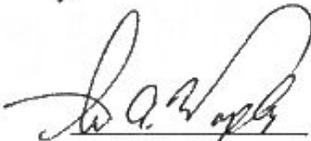
Don Johnson  
PacifiCorp



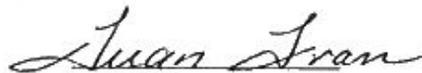
John D. Martinsen  
Snohomish PUD



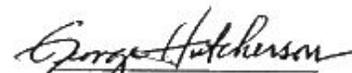
Joe Seabrook  
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cc:  
Infrastructure Technical Review Committee