

October __, 2007

Planning Coordination Committee
Technical Studies Subcommittee

Subject: Canada-Northern California Transmission Project

The purpose of this letter is to announce the initiation of Phase 1 of the WECC Project Rating Review Process for a potential Canada-Northern California transmission project.

Pacific Gas and Electric Company ("PG&E") initiated the regional planning process for this project on August 16, 2006 and that process is scheduled to conclude in November 2007. Given the anticipated benefits of this project and its regional nature, other entities have joined the process and have participated on the Project Steering Team,¹ and will continue to participate in this WECC Rating Review Process. The following entities will serve as project sponsors during Phase 1: Avista Corporation, PacifiCorp and PG&E.

As part of the regional planning process, a conceptual plan of service has been developed. This plan of service includes an overhead 500 kV HVAC and +/-500 kV HVDC line of approximately 1000 miles from Selkirk Substation in southeast British Columbia to Tesla/Tracy substations in northern California as follows (see Attachment 1):

- HVAC facilities from Selkirk to the Round Butte/Grizzly area in central Oregon with intermediate AC terminations in the Spokane and Lower Columbia/Lower Snake areas in Washington
- HVDC facilities from the Round Butte/Grizzly area to Tesla/Tracy in northern California with a possible intermediate terminal in the Round Mountain area in northern California
- HVDC converter stations in the Round Butte/Grizzly area and Tesla/Tracy and potentially in the Round Mountain area.

The project is planned to have a bidirectional rating of up to 3000 MW and is expected to be operational in late 2015.

The objective of the Phase 1 studies will be to determine (1) a preliminary plan of service including intermediate terminations, transformation facilities, and line compensation levels, and (2) the non-simultaneous ratings of the various line segments in the definitive plan of service.

To accomplish these objectives, we propose to form a Phase 1 Rating Study Team consisting of four work groups:

- Regional Work Group: responsible for developing the definitive plan of service and non-simultaneous ratings for the project based on analysis to be prepared by this Work Group and input from the other three Work Groups.
- British Columbia Work Group: responsible for identifying the system impacts and

¹ Members of the Steering Team include: Avista Corporation, British Columbia Transmission Corporation (BCTC), PacifiCorp, Pacific Gas and Electric Company, Sierra Pacific Power Company and Transmission Agency of Northern California (TANC).

- network upgrades to support exports or imports at Selkirk Substation
- Pacific Northwest Work Group: responsible for identifying the system impacts and network upgrades to support deliveries from (or to) project terminations in Oregon or Washington.
 - California Work Group: Responsible for identifying the system impacts and network upgrades to support deliveries from (or to) project terminations in northern California. The work of this group will be coordinated with the Regional Integration of Renewables (RIR) Study, which is a California Energy Commission (CEC) Public Interest Energy Research project to assess northern California sub-regional renewable transmission integration priorities beyond 2010.

Each of these work groups will prepare a study plan to guide the Phase 1 study effort.

We request that parties indicate on the attached form their interest in participating in these Work Groups. Please provide your response via e-mail to WECCPROCESSINFO@pge.com by November ____, 2007.

If you have any questions about the upcoming Phase 1 study, please contact _____

Signed by Project Sponsors

cc: Canada-Northern California Stakeholder Group

**Phase 1 Rating Study Team
for the
Canada-Northern California Transmission Project**

I am interested in participating in the Phase 1 Rating Study Team as follows:

	Participant	Correspondent only
Regional Work Group	<input type="checkbox"/>	<input type="checkbox"/>
British Columbia Work Group	<input type="checkbox"/>	<input type="checkbox"/>
Pacific Northwest Work Group	<input type="checkbox"/>	<input type="checkbox"/>
Northern California Work Group	<input type="checkbox"/>	<input type="checkbox"/>

Name: _____

Title: _____

Company: _____

Address: _____

Telephone: _____

Email: _____

Fax: _____

Please email the completed form to WECCPROCESSINFO@pge.com by _____

Canada-Northern California Transmission Project Conceptual Plan of Service

AC 
DC 

