

ColumbiaGrid Update

The background of the slide is a photograph of several high-voltage power line towers. The towers are steel lattice structures, and the power lines are visible as thin lines against the sky. The towers are arranged in a perspective that leads the eye from the foreground towards the horizon. The sky is a pale, clear blue.

January 22, 2007

- Steve Fisher
- Chad Bowman
- Carol Wardell



Background

- ColumbiaGrid Review and Update
- Planning and Expansion Functional Agreement
- Future Functional Agreements

We have provided presentations to the Commission on ColumbiaGrid in the past – future presentations will cover new developments in the evolution of ColumbiaGrid

This is an informational presentation – no action is required today



ColumbiaGrid – What is it?

- Regional Effort to Solve Northwest Transmission Problems
 - Not FERC Driven
 - But will help Chelan Meet NERC Reliability Standards, including new NERC Standards pertaining to transmission planning
- ColumbiaGrid Members:
 - Chelan - Seattle - Grant - Tacoma
 - Puget - BPA - Avista



ColumbiaGrid Features

- ColumbiaGrid Funding Agreement and Bylaws provide for:
 - not-for-profit organization
 - delegated authority and responsibilities
 - an independent paid Board and Officers
 - a staff to coordinate activities and provide services
- ColumbiaGrid Functions:
 - Planning and Expansion
 - Common Northwest OASIS
 - Congestion Management
 - Flow-Based Approach
 - Reliability Enhancements
 - Possible Control Area Consolidation
- Functions and associated funding require separate agreements



ColumbiaGrid Milestones

- First Organizational Call – 12/12/05
- Incorporation – 3/31/06
- Bylaws Adopted – 4/14/06
- Funding Agreement Available – 6/14/06
- Board Selected (Meyers, Sienkiewicz, Richardson) – 8/1/06
- Board Selects President (Kaake) – 12/13/06
- Planning & Expansion Agreement Available – 1/17/07



District Actions

Resolution No. 06-12896, dated April 24, 2006, contains the following directions and authorities:

- “The District’s General Manager or his designee is hereby directed to communicate that the District agrees to its membership in the ColumbiaGrid as provided in Section 5.1 of the ColumbiaGrid Bylaws.”
- “The District’s General Manager is hereby authorized to enter into a ColumbiaGrid Funding Agreement and Functional Agreement as they become available, provided that such agreements are in the best interest of the District.”

The District executed the ColumbiaGrid Funding Agreement on 6/26/06




Planning and Expansion Functional Agreement

Transmission system planning utilizing an open, transparent “Single Utility” planning philosophy.

Membership Benefits:


- A seat at the regional transmission planning forum
- CG activities help the District meet NERC transmission planning requirements



Planning and Expansion Agreement – Creating the Plan

Biennial Regional Transmission Plan

- Annual System Assessment & Needs Statement
- Study teams develop solutions to system needs, utilizing “One Utility” planning concept
- Study teams for requested service projects involving more than one Transmission Owner
- Solicit input from Transmission Owners/Participants
 - Capacity Increase Projects
 - Single System Projects
 - Expanded Scope Projects
- Staff verifies no adverse impacts to other participants



Planning and Expansion Agreement – Other Items

Agreement also provides for:

- ColumbiaGrid assumes role of NW Area Coordinator for WECC base case development
- Commitment to move towards “Common Queue” for transmission requests that affect more than one transmission system



Planning and Expansion Agreement – Members & Cost

Transmission Owner Planning Parties:

- Chelan
- Seattle
- Grant
- Tacoma
- Puget
- BPA
- Avista

Plus Snohomish

- Two year agreement
- Chelan's cost is \$64.5k per year, which is 3.1% of total
- Costs will decrease with more participants, i.e. Chelan's cost is \$48.5k if PacificCorp were to join.



Next Functional Agreements

- Reliability Services Scoping Agreement
 - Redispatch
 - Control Area Consolidation (Study)
 - Transmission Outage Coordination
 - Information Exchange (Visibility)
- OASIS Functional Agreement
 - Standardize business practices
 - Flow-based approach
 - Common queue for transmission service



Questions?

ColumbiaGrid website:

<http://www.columbiagrid.org/>