

# ***SSG-WI PWG Update***

## ***CREPC Meeting***

***Dean Perry, Chair SSG-WI PWG***

***Vancouver, B.C.***

***October 21, 2004***

# Review

## SSG-WI 2003 Study Program

- Report issued October 31, 2003
- Report posted on SSG-WI Web Site
- 2008 – Planned facilities - - Identified congestion
- 2013 – Future system - Identified Congestion and transmission solutions for 3 “bookend” scenarios
  - Gas
  - Coal
  - Renewable

## Transmission Planning Workshop

- September 14-15, 2004 – Portland
- All presentations posted on SSG-WI Web Site
- Focused on use of production costing tools for economic evaluation of transmission expansion projects
- Discussed areas needing modeling improvements

Hydro models, wind models, modeling market behavior, etc.  
Panel presentations by vendors

# 2004-05 Study Program

- Develop production simulation database for 2008 and 2015 systems
- Develop a “realistic” resource case for 2015
  - LB Labs providing IRP information to SSG-WI
  - Doug Larson coordinating state review of resource assumptions
    - Meet state RPS requirements
    - Meet individual state Integrated Resource Plans
  - Add additional resources as needed
  - Study 3 Hydro conditions (low, medium and high)
  - Study gas price sensitivity
  - Looking to include modeling improvements
    - Losses
    - Forced and scheduled outages
    - Unit commitment

- **Considering the following 2015 Scenarios**
  - **RMATS Recommendation #2**
  - **Canada oil sands import case, Northern Lights DC Project**
  - **WGA renewable and energy efficiency goals**
  - **Large scale wind generation in New Mexico**
  - **Gas price sensitivities**
  - **Hydro sensitivities**
  - **Load Forecast variations**
  - **Northwest Power and Conservation Council - Resource scenario**

# **Study Process**

**Pooled manpower effort - - PacifiCorp, CalSO, WECC and BPA  
(CREPC coordinating resource assumptions)**

- SSG-WI Technical Support Group will manage the process**
  - Key data assumptions**
  - Define resource and transmission scenarios**
  - Oversee modeling**
  - Coordinate Stakeholder review**
  - Preparation of Report**
  
- Schedule**
  - Finalize 2015 database – Jan / Feb 2005**
  - Complete studies – March 2005**
  - PWG finalize report – May 2005**
  - Issue final report prior to June 2005 WGA meeting**