

# Progress Report on Power Division Work Plan

Power Committee Meeting  
October 2010

# The Division Work Plan is Based on the Action Plan

- Conservation [22 actions]
- Generation [13 actions]
- Bonneville [9 actions]
- Adequacy [4 actions]
- Demand Response [10 actions]
- Smart Grid [3 actions]
- Transmission [3 actions]
- Fish & Wildlife [5 actions]
- Monitoring [4 actions]
- Analysis [17 actions]

# Approach

- Focus primarily on Council actions (many action items are for others)
- Will not dwell on staff activities related to internal management, answering public inquiries, providing data and analysis, doing presentations, and participating in various regional and state committees
- Will not go into great detail on model and data changes and enhancement

# Conservation Areas of Focus

- Enhancing the region's ability to acquire cost-effective efficiency
- Identifying new technologies and opportunities for improved efficiency
- Tracking and verifying savings, and adaptively managing efficiency acquisition strategies

# Conservation

- 2009 accomplishments report
- Manage Regional Technical Forum
- Tools for utility conservation assessments
- Negotiating federal standards
- Supporting state code adoptions
- Direct Use of Gas Study
- Coordination activities (NEET, R&D, Data)
- Planning Activities (NEEA, IRPs, ETO, Bonneville)

# Generation Areas of Focus

- Development of generating resources
- Enhancing system integration services
- Developing information to support sound planning and decision making

# Generation

- Tracking California RPS & impacts on PNW
- Analysis of negative wholesale power prices
- Wind Integration Forum
- Maintain Council's Generating Resource Database
- Ongoing assessment of evolving generating and related technologies
- Data development for the WECC/TEPPC 2020 transmission assessment

# Bonneville

- Resource Program
- Post-2011 Efficiency Program
- Implementation of Regional Dialogue
- Wind Integration
- Implementation of Fish and Wildlife Program



# Adequacy

- Resource Adequacy Forum
- Improving data and forecasts
- Validating and enhancing model
- Developing adequacy assessment for 2015
- Contractor assessment of adequacy methodology
- Work with WECC and NERC on assessments

# Demand Response & Smart Grid

- Review of existing utility DR programs
- Tracking DR programs:
  - “Conventional” DR pilot programs
  - “Load/wind balancing” DR pilot programs
- Tracking Smart Grid Demo Project –
  - Will include “conventional” and “load/wind balancing” DR
- Facilitating Pacific Northwest Demand Response Project

# Transmission

- Report on transmission constraints and adequacy assessment
- Tracking transmission planning and development
- Participation in WECC Transmission Expansion Planning Policy Committee (TEPPC)
  - Provided PNW load forecast and conservation targets consistent with 6<sup>th</sup> plan
- Investigating ways to improve transmission constraints in planning models

# Fish & Wildlife

- New IEAB charter
- Appointment of new IEAB members
- Analysis of potential climate change impacts on hydroelectric system and fish and wildlife
- Tracking Columbia River Treaty issues and assessing possible effects

# Monitoring Plan

- Tracking and reporting on basic assumptions and forecasts
  - Demand, fuel and electricity prices, economy
- Tracking generation development
- Tracking changing policies
- Tracking and reporting on efficiency acquisitions
  - Preparations for mid-term check in
- Climate change policies and effects

# Analysis Capability

- Updating and enhancing demand forecasting models (long and short-term)
- First major assessment and revision to Genesys Model since 2000
  - Working with Adequacy Forum
- Ongoing enhancement of Resource Portfolio Model
  - Creation of advisory committee to help
- New version of Aurora adopted