



# *Wind-Hydro Integration Workshop*

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in cooperation with  
**AWEA, BPA, CanWEA, NREL**

Portland, OR

March 21-22, 2007



# UWIG – Workshop Overview

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## ◆ Purpose

- Review hydro system planning and operating procedures around the world
- Review status of ongoing wind/hydro integration efforts around the world
- Review status and outlook for related technology development efforts
- Review status of NW Wind Integration Action Plan
- Investigate plans/options for future regional cooperation in the Northwest



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## ◆ Opening Session:

- **Introductions:** Charlie Smith, Executive Director, UWIG
- **Welcome:** Rachel Shimshack, Executive Director, Northwest Renewable Project
- **Opening Remarks:** Integrating More Wind in the Pacific Northwest
- Eric Markell, Senior Vice President, Puget Sound Energy



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- ◆ **Introductory Session: The Building Blocks of Hydro System Operation**
  - Session Chair: Brendan Kirby, Oak Ridge National Laboratory
- ◆ **Insights Gained from Operations Studies**
  - Session Chair: Bob Zavadil, Principal Consultant, EnerNex
- ◆ **Reception**
  - 6:00 p.m. – 7:30 p.m.

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- ◆ **Technology Status and Developments**
  - Session Chair: Brian Parsons, Project Manager, Wind Applications, NREL
- ◆ **Northwest Transmission and Wind Integration Action Plan Status Report**
  - Session Chair: Elliot Mainzer, Bonneville Power Administration
- ◆ **Opportunities for Improved Regional Cooperation**
  - Session Chair: Ken Dragoon, RNP
- ◆ **Where Do We Go From Here?**
  - Session Chair: Elliot Mainzer, Bonneville Power Administration
- ◆ **Adjourn 4:00 pm**

# Look Familiar?

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- ◆ Welcome to our Canadian and European Colleagues
- ◆ 50,000 MW of wind experience in Europe
- ◆ Looking forward to a very fruitful meeting!

