



UWIG Annual Meeting
SUCCESSFUL UTILITY WIND INTEGRATION:
ADDRESSING KEY TECHNICAL ISSUES

April 24-25, 2001

Portland, Oregon

FINAL AGENDA

Audience: All UWIG members and other utility representatives interested in wind energy

Tuesday, April 24

- 8:00 a.m. Continental Breakfast
- 8:45 a.m. **Welcome, Introductions & Meeting Overview**
Brad Reeve, UWIG President/Kotzebue Electric Association
- 9:00 a.m. **The Future of Wind Development in the Pacific NorthWest**
A Panel Discussion – (including transmission constraints & impact of CA crisis)
Chairperson: Roger Kuhlman, Salem Electric
- George Darr, Bonneville Power Administration
 - Barrett Stambler, PacifiCorp
 - Thor Hinckley, Portland General Electric
 - Raquel Bennett, Seattle City Light
 - Jeff Shields/Elliot Mainzer, Enron North America
 - Jon Lantz, FPL Energy
 - Rob Sims, SeaWest WindPower
- 10:45 a.m. Break
- 11:00 a.m. **Credit Trading / Green Tags**
A Panel Discussion
Chairperson: Brian Parsons, NREL
- Kevin Rackstraw, Remote Power Group, LLC
 - Muir Davis, PGE National Energy Group
 - Angus Duncan, Bonneville Energy Foundation

12:00 p.m. Lunch

Afternoon Session Chair: John Holt, NRECA

1:00 – 2:30 p.m. **Operating Impacts Session: Firming & Shaping Wind Energy for Utility System Integration**

Utility Technical & Economic Issues:

- John Pease, Bonneville Power Administration
- Steve Jones, Xcel Energy

NREL Short Term Wind Monitoring Program

Brian Parsons, NREL

UWIG Study: *Characterizing the Impacts of Significant Wind Generation on Bulk System Operations Planning*

Introduction: Ed DeMeo, UWIG Technical Coordinator/RECS

Project Overview and Status Report: Charlie Smith, UWIG Senior Technical Advisor/Electrotek Concepts, Inc.

--- 30 Minute Break ---

3:00 – 4:00 p.m. **Distribution System Impacts Session**

UWIG Project Prospectus with Tools for Distribution System Engineers: *Characterizing the Impacts of Wind Generation on Distribution Systems*

Charlie Smith, UWIG/Electrotek

4:00 p.m. **Concerns Regarding Possible TV/Radio Interference from Wind Turbines**

- Brian Parsons, NREL

4:30 p.m. **Sector Reports:**

- Brian Parsons, DOE/NREL
- Chuck McGowin, EPRI
- Ed DeMeo, NWCC

5:00 p.m. Adjourn for the Day

Wednesday, April 25

UWIG Utility Roundtable & Annual Meeting

8:30 a.m.

Utility Roundtable Discussion

For all utility representatives in attendance, including non-member utility guests

10:00 – 12:00 p.m.

Annual Meeting

For all UWIG utility and associate members and guests

- Call to Order
- Establish Quorum of Membership
- Introduction of Guests, Board
- President's Report
- Coordination Contractor's Report
- Treasurer's Report
- Old Business
- New Business
- Motion to Adjourn

12:00 p.m.

Adjourn

Optional Tour Followed UWIG Annual Meeting

Two separate Optional Tours Included:

- ❖ BPA Hydro Facility – Bonneville Dam & Celilo Converter Station (DC Transmission Line Northern Terminus 3.1 GW Power
- ❖ Vansycle Wind Project near Pendleton, Oregon

Transportation will be provided.