

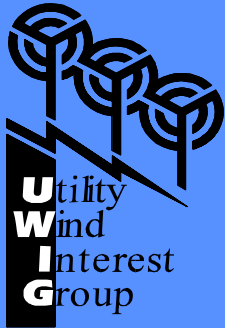
UWIG Technical Workshop

Wind Integration: Focus on the Northwest



October 23-24, 2003

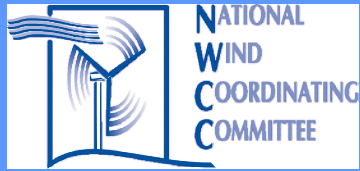
Seattle, Washington



Primary UWIG Activities

- Provide member-to-member education and exchange
- Provide objective information on wind-power status and issues
- Conduct specific technical projects chosen by UWIG membership
- Current Expansion: Forming users groups in key focus areas
- Provide liaison between utilities and National Wind Coordinating Committee (NWCC)

Principal focus on utility-related issues that are primarily technical



Many Stakeholders, One Vision

Commercial wind-power markets that are environmentally, economically and politically sustainable

Stakeholder Sectors

Electric utilities and their support organizations

State legislatures

State utility commissions

Consumer advocacy offices

Wind industry

Green-power marketers

Environmental organizations

State and federal agencies

Overall NWCC Functions

Identify issues that affect the use of wind power

Establish dialogue among key stakeholders

Catalyze activities aimed at the NWCC Vision:
sustainable commercial markets

Primary focus on policy-related issues with differing stakeholder views



www.nationalwind.org

Current NWCC Activities



Electrical Transmission

- Midwest Transmission Workshop: Dec 03
- Transmission planning principles
- Transmission issue briefs



Wildlife Impacts

- Biological Significance Workshop: Nov 03
- US Fish&Wildlife guidelines review
- Avian Fact Sheet update



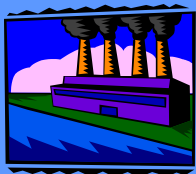
Siting and Permitting

- Prospective case studies on local reactions to wind power development
- Offshore Issues Workshop: July 03



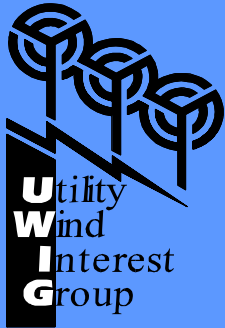
Economic Development

- Case-studies report issued
- Case-study briefs in preparation



Green Tags & Green Markets

- Credit-trading market assistance
- REC tracking issue brief in preparation



Workshop Overview

Thursday Morning

National and regional transmission landscape



Regional wind-power activities



Thursday Afternoon

System operating impacts



Distributed-wind impacts



Wind technology update

UWIG members' roundtable





Workshop Overview

Friday Morning

Users Groups Formation Meeting
Operating Impacts
Distributed Wind
Turbine Modeling
Markets and Transmission



Distributed Wind Training Seminar
Software orientation
Case studies

