



UWIG Annual Meeting

Wind Integration:

Coming in from the Cold



Anchorage, Alaska

July 24-25, 2007

UWIG – Meeting Overview

- ◆ Recent Industry Developments
- ◆ Distributed Wind and Local Developments
- ◆ Wind Integration Study Updates
- ◆ International Wind Integration Experience
- ◆ Market Operation and Transmission Planning
- ◆ User Group Meetings
- ◆ Kotzebue Village Technical and Cultural Visit

Recent Industry Developments

- ◆ PTC continues to drive wind plant expansion, but...
- ◆ Increasing concern expressed over unstable policy environment leading to inadequate manufacturing investment and increasing turbine prices
- ◆ State RPS legislation continues to expand amid increasing signs of activity at the federal level
- ◆ FERC approves NERC mandatory reliability requirements
- ◆ Increasingly public discussion of carbon policy; EEI announces support of federal action to reduce greenhouse gas emissions
- ◆ AWEA/DOE announce 20% Wind Vision activity
- ◆ UWIG continues to expand membership, and pursue strong technical agenda with fundraising for User Group R&D Plan



Wind Industry Is Maturing

- ◆ Wind industry projected to install 3,000 MW in '07
- ◆ Domestic wind capacity exceeds 12,000 MW
- ◆ Global wind capacity surpasses 75,000 MW
- ◆ Domestic Activities
 - FERC Order 890 Reform of OATT
 - WECC Modeling and Validation WG
- ◆ International Activities
 - National Grid Code evolution
 - Continuing consolidation in the industry
- ◆ Wind power continues to increase visibility in IEEE Power Engineering Society



Significant Current Events

- ◆ October '06 – FPLE dedicates Horse Hollow wind plant in Texas, largest wind plant in the world
- ◆ December '06 – Congress approves one year extension of PTC through the end of 2008
- ◆ February '07 – FERC releases Order 890, reform of the OATT
- ◆ April '07 – DOE designates two draft National Interest Electric Transmission Corridors
- ◆ April '07 – FERC approves CAISO request for cost recovery of third category of transmission to interconnect location-constrained renewable resources; related initiatives underway in MN, TX, CO
- ◆ May '07 – DENA announces German grid study for 30% renewables by 2025
- ◆ June '07 – Third meeting of IEEE PES Wind Power Coordinating Committee at PES Annual Meeting in Tampa; WPCC announces formation of six wind power projects

Onward and Upward

- ◆ Welcome to our international colleagues from around the world
- ◆ 50,000 MW of wind experience in Europe
- ◆ Looking forward to a very fruitful meeting!

