



UWIG Fall Workshop

Wind Integration:

A Western Roundup



Oklahoma City, OK

October 24-25, 2006

UWIG – Meeting Overview

- ◆ Recent Integration and Operation Experience
- ◆ Grid Code Evolution and Operating Experience
- ◆ Regional and National Developments
- ◆ International Experience
- ◆ Markets and More
- ◆ User Group Meetings
- ◆ Site Visit – Blue Canyon Wind Plant

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
- ◆ NERC certified as ERO
- ◆ Increasingly public discussion of carbon tax
 - most recently Dick Kelly, Xcel Energy CEO, calls for national policy to limit carbon dioxide emissions
- ◆ UWIG continues to expand membership, and pursue strong technical agenda and User Group R&D Plan



Wind Industry Is Maturing

- ◆ Wind industry projected to install 3,000 MW in '06
- ◆ Domestic wind capacity exceeds 10,000 MW
- ◆ Global wind capacity surpasses 60,000 MW
- ◆ Domestic Activities
 - FERC Order 888 Reform
 - WECC Modeling and Validation WG
- ◆ International Activities
 - National Grid Code evolution
 - CIGRE takes note of wind
- ◆ Wind power continues to increase visibility in IEEE Power Engineering Society



Significant Current Events

- ◆ Feb. '06 - President Bush visits NREL and sees no reason why wind can't contribute 20% of nation's electrical energy requirement in the future
- ◆ April '06 – Joint IEEE/AWEA/UWIG Wind Power Symposium for policy makers held in Wash, DC
- ◆ May '06 – UWIG issues Utility Wind Integration State of the Art Assessment with APPA, NRECA, and EEI
- ◆ June '06 – First meeting of IEEE PES Wind Power Coordinating Committee at PES Annual Meeting in Montreal
- ◆ October '06 – DOE issues transmission corridor study report
- ◆ October '06 – FERC Technical Conference on OATT (Order 888) reform

Look Familiar?

- ◆ Welcome to our European Colleagues from the IEA
- ◆ 40,000 MW of wind experience in Europe
- ◆ Looking forward to a very fruitful meeting!

