



UTILITY WIND INTEGRATION GROUP SPRING MEETING A CAPITAL VIEW OF WIND INTEGRATION

April 6-7, 2006

Radisson Hotel Reagan National Airport Arlington, VA

PROGRAM AGENDA

Thursday, April 6, 2006

7:00 a.m. – 8:00 a.m.

Registration & Breakfast

Location: Radisson Hotel Business Center (Registration) and Salon 1 and 2 (Breakfast)

8:00 a.m. – 5:00 p.m.

Annual Meeting

Location: Salon 1 and 2

8:00 a.m. – 8:30 a.m.

Opening Session

Welcome & Introductions

Henry Durrwachter, UWIG President/TXU Energy

Local Welcome

Richard McMahon, Alliance of Energy Suppliers/EEI

Meeting Overview

Charlie Smith, UWIG

8:30 a.m. – 10:15 a.m.

High Wind Penetration Implications

Session Chair: Brian Parsons, National Renewable Energy Laboratory

Hedging Future Carbon Risk with Wind Power

Steve Clemmer, Union of Concerned Scientists

Hedging Future Gas Price Risk with Wind Power

Mark Bolinger, Lawrence Berkeley National Laboratory

Plug-in Hybrid and Battery Electric Vehicle (PHEV and BEV) Grid
Integration with Renewables

Willett Kempton, University of Delaware

High Penetration Scenario Analysis

Walter Short, NREL

10:15 a.m. - 10:45 a.m.

Break

Location: Salon 1 and 2

10:45 a.m. – 12:15 p.m.

Balancing Areas – Size and Performance

Session Chair: Brendan Kirby, Oak Ridge National Laboratory

NERC Reliability Audit Results and Implications
Dave Hilt, North American Electric Reliability Council

Consolidation of Balancing Authority Functions
Doug Hils, MISO, Control Area Working Group

Implications of Control Area Consolidation for Wind
Nick Miller, GE

ERCOT: Before and After – A Case Study
Jose Conto, Electric Reliability Council of Texas

12:15 p.m. – 1:45 p.m.

Lunch

Location: Salon 3 and 4

1:45 p.m. – 3:15 p.m.

Interconnection Topics Update

Session Chairs: Abe Ellis, Public Service Company of New Mexico

AWEA Review of Large Wind Policy Developments
Rob Gramlich, American Wind Energy Association

NERC Wind TF Developments
Mahendra Patel, PJM Interconnection

Canadian Grid Interconnection Standards
Steve Saylor, Vestas Americas

Irish Wind Grid Code: Implementation and Implications
Doireann Barry, ESB National Grid

Turbine Modeling User Group Update
Bob Zavadil, EnerNex Corporation

3:15 p.m. – 3:45 p.m.

Break

Location: Salon 1 and 2

3:45 p.m. – 5:00 p.m.

Turbine Technology Update

Session Chair: Ed DeMeo, Renewable Energy Consulting Services

GE Energy
Charles Vaughan, GE

Vestas
Steve Saylor, Vestas Americas

Mitsubishi
Rashid Abdul, Mitsubishi

5:00 p.m.

Adjourn for Day

6:00 p.m. – 8:00 p.m.

Reception and Awards Presentation

Location: Salon 3 and 4

Friday, April 7, 2006

7:00 a.m. – 8:00 a.m.

Breakfast

Location: Salon 1 and 2

7:30 a.m. – 8:30 a.m.

Membership Meeting (Members Only)

Location: Salon 1 and 2

Membership Meeting
Board Election

8:30 a.m. – 12:00 p.m.

Annual Meeting

Location: Salon 1 and 2

8:30 a.m. – 10:00 a.m.

Integration Study Update

Session Chair – Matt Schuerger, Energy Systems Consulting Services

Wind/Load Data Analysis Results
Yih-Huei Wan, NREL

Manitoba Hydro Wind Integration Study Results
Tom Molinski, Manitoba Hydro

SMUD Wind Integration Study Status
Cliff Murley, Sacramento Municipal Utility District

PNM Wind Integration Study Status
Abe Ellis, PNM

10:00 a.m. – 10:30 a.m.

Break

Location: Salon 1 and 2

10:30 a.m. – 12:00 p.m.

Integration Study Update, Continued

Session Chair: Alain Forcione, IREQ

AESO Wind Integration Progress Report
John Kehler, Alberta Electric System Operator

Saskatchewan Wind Integration Study
Willie Wong, ABB

BPA Ramping Requirements Study
Allan Ingram, Bonneville Power Administration

PacifiCorp's Capacity Contribution Methodology
Ken Dragoon, PacifiCorp

12:00 p.m. – 12:10 p.m.

Closing Remarks – Charlie Smith

Adjourn

Friday p.m. – Saturday p.m.

Mountaineer Wind Energy Facility Tour