



UTILITY WIND INTEGRATION GROUP FALL TECHNICAL WORKSHOP A MILE-HIGH VIEW OF WIND INTEGRATION

October 1-3, 2008
Brown Palace Hotel
Denver, Colorado

PROGRAM AGENDA

Thursday October 2, 2008 – Technical Program at Brown Palace

7:00 a.m. – 8:00 a.m.

Registration & Breakfast

Location: Foyer A

8:00 a.m. – 5:00 p.m.

Technical Workshop Technical Program

Location: Ballroom A

8:00 a.m. – 8:45 a.m.

Welcome and Overview Session

Welcome & Introductions

Henry Durrwachter, UWIG President/Luminant

Colorado: Moving Forward on Wind Power

Paul Bonavia, President, Utilities Group, Xcel Energy

Meeting Introduction and Overview

Charlie Smith, UWIG

8:45 a.m. – 10:00 a.m.

Regional Wind Transmission Developments

Session Chair: Brian Parsons, National Renewable Energy Laboratory

WECC TEPPC Planning Overview

Brad Nickell, Western Electricity Coordinating Council (invited)

Western REZ

Thomas Carr, Western Governors Association

Colorado REZ

Joe Taylor, Xcel Energy

Texas CREZ
Cathey Carter, Electric Reliability Council of Texas

10:00 a.m. – 10:30 a.m.

Break

Location: Foyer A

10:30 a.m. – 12:00 p.m.

Grid Code and Performance Evaluations

Session Chair: Steven Beuning, Xcel Energy

BAAL Status

Bill Grant, Xcel Energy

The Wind Power Plant of the Future

Reigh Walling, GE

Communications and SCADA for Forecasting

Bob Zavadil, EnerNex Corporation

Wind Plant Model Development, Testing and Validation

Abraham Ellis, Public Service Company of New Mexico

12:00 p.m. – 1:00 p.m.

Lunch

Location: Ballroom B

1:00 p.m. – 2:30 p.m.

Wind Integration Studies

Session Chair: Debbie Lew, National Renewable Energy Laboratory

Western Wind/Solar Integration Study

Dick Piwko, GE Energy

Eastern Interconnection Wind Integration Study

Dave Corbus, NREL

Impacts of Wind Forecasting on Production Costs in the ERCOT Market

Gary Jordan, GE Energy

Northwest Wind Integration Action Plan: One Year Later

Bart McManus, Bonneville Power Administration

2:30 p.m. – 3:00 p.m.

Break

Location: Foyer A

3:00 p.m. – 5:00 p.m.

Forecasting Developments

Session Chair: Pascal Storck, 3TIER

AESO-Forecasting Trial Results
John Kehler, Alberta Electric System Operator

NYISO-First Results from Central Forecasting
Dave Edelson, New York Independent System Operator

Texas Wind Meteorology
John Zack, AWS Truewind

Meso-modeling and Wind Plant Output Time Series Generation
Cameron Potter, 3TIER

RWE – Forecasting Update
Bernie Ernst, RWE

5:00 p.m.

Adjourn for Day

6:00 p.m. – 8:00 p.m.

Reception

Location: Brown Palace Club

Friday, October 3, 2008 – Meetings at the Brown Palace

7:00 a.m. – 8:00 a.m.

Registration & Breakfast

Location: Foyer A

8:00 a.m. – 12:00 p.m.

Fall Workshop Technical Program

Location: Ballroom A

8:00 a.m. –9:30 a.m.

Industry Updates

Session Chair Gary Thompson, Nebraska Public Power District

DOE/AWEA 20% Update – What’s Happening
Steve Lindenberg, U.S. Department of Energy

NERC

Mark Lauby, North American Electric Reliability Corporation

Denmark

Hans Abildgaard, Energinet.dk

CIGRE

David Jacobson, Manitoba Hydro

9:30 a.m. – 10:00 a.m.

Break

Location: Foyer A

10:00 a.m. – 11:55 p.m.

IVGTF Preliminary Conclusions and Recommendations

Session Chair: Mark Lauby, North American Electric Reliability Corporation

Variable Generation Characteristics

Darius Shirmohammadi, Oak Creek Energy Systems

Planning Considerations

Daniel Brooks, Electric Power Research Institute

Operating Considerations

John Kehler, Alberta Electric System Operator

Other Considerations

Charlie Smith, UWIG

Standards Implications

Pouyan Pourbeik, Electric Power Research Institute

Discussion with Panelists

11:55 p.m. – 12:00 p.m.

Closing Remarks – Charlie Smith

Adjourn

Friday, October 3, 2008 p.m.

**Tour of Vestas Blade Plant in Windsor, Colo. or Xcel/PSCo. Cabin Creek
Pumped Hydro Storage Facility**