



**UTILITY WIND INTEGRATION GROUP
FALL TECHNICAL WORKSHOP
WESTERN ROUNDUP OF WIND INTEGRATION
October 24-25, 2006
Sheraton Oklahoma City, OK**

PROGRAM AGENDA

Tuesday, October 24, 2006 – Technical Program at the Sheraton

7:00 a.m. – 8:00 a.m.

Registration & Continental Breakfast

8:00 a.m. – 5:00 p.m.

Technical Workshop

8:00 a.m. – 8:30 a.m.

Opening Session

Welcome & Introductions

Henry Durrwachter, UWIG President/TXU Wholesale

Local Welcome

Jesse Langston, Oklahoma Gas & Electric

IEEE Welcome

Professor Rama Ramakumar, Oklahoma State University

Meeting Overview

Charlie Smith, UWIG

8:30 a.m. – 10:15 a.m.

Opening Session: Recent Integration and Operation Experience

Session Chair: Brian Parsons, NREL

Wind Integration at Northwestern Energy

Casey Johnston, Northwestern Energy

AESO Status of Operating Concerns

Darren McCrank, Alberta Electric System Operator

Incorporating Wind Forecasting in Short Term Operations

Jay Godfrey, American Electric Power

OG&E Integration & Operation Experience

Allen Gould, Oklahoma Gas & Electric

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

Break

10:45 a.m. – 12:30 p.m.

Recent Integration and Operation Experience

Session Chair: Gary Thompson, Nebraska Public Power District

California Study Update

Kevin Porter, Exeter Associates

Great Britain High Penetration Study Review

Michael Milligan, National Renewable Energy Laboratory

Avista Utilities Study

Clint Kalich, Avista Utilities

Idaho Power Study Results

Phil DeVol, Idaho Power

PSCO 20 Percent Wind Penetration Study Results

Brett Oakleaf, Xcel Energy

12:30 p.m. – 1:30 p.m.

Lunch

1:30 p.m. – 3:00 p.m.

Grid Code Evolution and Operating Experience

Session Chair: Abraham Ellis, Public Service New Mexico

Impact of Wind on Generation Reserve Requirements in Ireland

Mark O'Malley, University College Dublin

NERC/FERC Order 661 and Related Developments

Mike Jacobs, American Wind Energy Association

Irish Grid Code and Related Developments

Paul Smith, EirGrid

Proposed Changes to the German Grid Code (*short update*)

Bernie Ernst, RWE

Wind Turbine Modeling User Group Update

Bob Zavadil, EnerNex Corporation

3:00 p.m. – 3:30 p.m.

Break

3:30 p.m. – 5:00 p.m.

Regional and National Developments

Session Chair: Richard Walker, Sustainable Energy Strategies Inc.

Clean and Diversified Energy Advisory Committee Activities
Bob Anderson, Consultant

Ainsworth Operating Experience
Doug Mollet, Nebraska Public Power District

SPP Constraint Mitigation in Higher Wind Areas
Jay Caspary, Southwest Power Pool

Action Plans to Reduce Transmission Barriers and Operating Issues for
Wind Generation in California
James Blatchford, California Independent System Operator

5:00 p.m.

Adjourn for Day

6:00 p.m. – 8:00 p.m.

Reception – Sheraton Oklahoma City

Wednesday, October 25, 2006 – Technical Meeting at the Sheraton

7:00 a.m. – 8:30 a.m.

Registration & Continental Breakfast

8:30 a.m. – 12:15 p.m.

Technical Workshop

8:30 a.m. – 10:00 a.m.

International Experience

Session Chair – Ana Estanqueiro, INETI, Portugal

IEA Annex 25 on Large Wind Integration
Hannele Holttinen, VTT, Finland

Portuguese Wind Integration Experience
Joao da Silva Ricardo, REN, Portugal

German Wind Forecasting Experience and European Wind Integration
Study
Bernie Ernst, RWE, Germany

Nordpool Market Operations
Lennart Söder, Royal Institute of Technology

10:00 a.m. – 10:30 a.m.

Break

10:30 a.m. – 12:00 p.m.

Markets and More

Session Chair: Charlie Smith

BPA Regional Wind Integration Initiative
Elliot Mainzer, Bonneville Power Administration

FERC Order 888 and Corridor Studies Outlook
Rob Gramlich, American Wind Energy Association

PJM Generation Attribute Tracking System
Joe Kerecman, PJM Environmental Information Services, Inc.

Wind Impacts on MISO Markets
Dale Osborn, Midwest Independent System Operator

12:00 p.m. – 12:15 p.m.

Closing Remarks

Adjourn

1:30 p.m. – 6:00 p.m.

Blue Canyon Wind Plant Tour