



# UTILITY WIND INTEGRATION GROUP SPRING TECHNICAL WORKSHOP A LONE STAR VIEW OF WIND INTEGRATION

**April 17-18, 2008**  
Hilton Ft. Worth Hotel  
Ft. Worth, Texas

## PROGRAM AGENDA

### **Thursday April 17, 2008**

7:00 a.m. – 8:00 a.m.

#### **Registration & Breakfast**

Location: West Promenade

8:00 a.m. – 5:00 p.m.

#### **Spring Workshop Technical Program**

Location: Crystal A

8:00 a.m. – 8:45 a.m.

#### **Welcome and Overview Session**

##### Welcome & Introductions

Henry Durrwachter, UWIG President/Luminant

##### Local Welcome to Wind in Texas

The Honorable Phil King, Texas House of Representatives

##### Meeting Introduction and Overview

Charlie Smith, UWIG

##### AWEA/DOE 20% Wind Scenario Report Update

Jeff Anthony, American Wind Energy Association

8:45 a.m. – 10:00 a.m.

#### **Opening Session: Real-World Operating Experience**

Session Chair: Elliot Mainzer, Bonneville Power Administration

ERCOT: John Dumas

CAISO: Dave Hawkins

AESO: John Kehler

Discussion with Panelists

10:00 a.m. – 10:30 a.m.

**Break**

Location: West Promenade

10:30 a.m. – 12:00 p.m.

**Real-World Operating Experience Cont'd**

Session Chair: John Kehler, Alberta Electric System Operator

Transpower NZ: Graeme Ancell

HELCO: Lisa Dangelmaier

EirGrid: Jody Dillon

Discussion with Panelists

12:00 p.m. – 1:00 p.m.

**Lunch**

Location: Crystal B

1:00 p.m. – 2:30 p.m.

**Wind Technology Updates**

Session Chair: Sandy Butterfield, NREL

Wind Technology Status Report

Sandy Butterfield, NREL

DeWind 2.0 MW Machine

Andy Lockhart - DeWind

Suzlon 2.1 MW Machine

Chester Zapotoczny, Suzlon

Siemens 2.3 MW Machine

Henning Kruse, Siemens

Gamesa 2.0 MW Machine

Rashid Abdul, Gamesa

2:30 p.m. – 3:00 p.m.

**Break**

3:00 p.m. – 5:15 p.m.

**Wind Integration Studies**

Session Chair: Leslie Bryans, Northern Ireland Electricity

Perspective on the Evolution of Wind Integration Studies

Leslie Bryans, Northern Ireland Electricity

ERCOT Wind Integration Study Results

Warren Lasher, ERCOT

CAISO Wind Integration Study Results  
Dave Hawkins, California Independent System Operator

APS Wind Integration Study Results  
Ron Flood, APS and Tom Acker, NAU

PNM Wind Integration Study Results  
Abraham Ellis, PNM

Eastern Interconnection Wind Integration Study Update  
Dave Corbus, NREL

Western Wind Integration Study Update  
Debra Lew, NREL

5:15 p.m.

**Adjourn for Day**

6:00 p.m. – 8:00 p.m.

**Reception and Awards Presentation**

Location: Crystal D

**Friday, April 18, 2008**

7:00 a.m. – 8:30 a.m.

**Breakfast**

Location: West Promenade

7:30 a.m. – 8:30 a.m.

**Membership Meeting (Members Only)**

Location: Crystal A

Membership Meeting  
Board of Directors Election

8:30 a.m. – 12:10 p.m.

**Spring Workshop Technical Program**

Location: Crystal A

8:30 a.m. – 10:00 a.m.

**Island Power System Wind Integration Studies**

Session Chair – Brad Reeve, Kotzebue Electric Association

Ireland All-Island Wind Integration Study  
Paul Smith, EirGrid

Hawaii Island Wind Integration Study  
Lisa Dangelmaier, HELCO

Alaska Wind Integration Study Update  
Martina Dabo, Alaska Energy Authority

New Zealand Wind Integration Study  
Graeme Ancell - Transpower NZ

French Island Power System Study  
Jerome Duval, Electricite de France

10:00 a.m. – 10:30 a.m.

**Break**

Location: West Promenade

10:30 a.m. – 12:00 p.m.

**Industry Updates**

Session Chair: Ed DeMeo, Renewable Energy Consulting Services

NERC Update on Wind Activities  
Mark Lauby, North American Electric Reliability Council

WestConnect BA Consolidation Study  
Charlie Reinhold, WestConnect

BPA Update (ADI, wind tariff, anticipatory forecasting, NWIAP)  
Elliot Mainzer, BPA

Wind Plant Modeling User Group Update  
Bob Zavadil, EnerNex Corporation, User Group Chair

IEEE WPCC Update (meetings and task forces)  
Richard Piwko, GE Energy, Chair of IEEE Wind Power Coordinating Committee

AWEA Washington Update (PTC, Queue, Order 890)  
Rob Gramlich, AWEA

12:00 p.m. – 12:10 p.m.

**Closing Remarks – Charlie Smith**

**Adjourn**

**Friday, April 18, 2008 p.m.**

**Tour 1:** 1 pm – 4 pm, Oncor Electric Delivery Transmission Grid Management Operating Center

**Tour 2:** 1pm – 6:30 pm, Clipper Wind Silver Star I Wind Project (Stephenville)