

# 2007 Wind Energy Institute

## February 26-27, 2007 • Austin Convention Center • Austin, TX

### Monday Morning, Feb. 26, 2007

**Presiding Officer:**

**Lisa Chavarria**, McElroy Sullivan & Miller LLP - Austin, TX

9:00 am 1.00 hr	<p><b>A Primer on Wind Energy: Meteorology, Technology, Economics and Transmission</b></p> <p>A substantial portion of this session is dedicated to the meteorology of wind and wind siting; with brief overviews of technology, economics and transmission issues that will be discussed in more detail throughout the conference.</p> <p>Jamie Chapman, Texas Tech Wind Energy Center Research Center - Lubbock, TX Andrew Swift, Texas Tech University - Lubbock, TX</p>
10:00 am 1.00 hr	<p><b>All About Wind Turbines: Supply, Demand, Regulation, Innovations and the Impact on Future Development</b></p> <p>Leading wind turbine manufacturers discuss the state of the turbine market: supply, demand, trends, specialization between manufacturers, and the impact of technical innovation and higher efficiencies on the size, scope and location of future development.</p> <p>Sean Fitzgerald, GE Infra, Energy - Saratoga Springs, NY Chris Lambert, Mitsubishi Power Systems Americas - Newport Beach, CA Geoff Sharples, Clipper Windpower Inc. - Carpinteria, CA Dany St-Pierre, Siemens Wind Power - Orlando, FL Moderator: Adam S. Umanoff, Chadborne &amp; Parke LLP - Los Angeles, CA Stephen Wieland, Vestas Americas - Denver, CO</p>
11:15 am 0.50 hr	<p><b>Wind Development: Key Survey and Title Issues</b></p> <p>A discussion of key survey and title issues in wind energy project developments. Title review checklists, survey review checklists, and sample survey certification language will be provided, along with sample forms to resolve commonly encountered title and survey problems. Practical suggestions will also be offered on how to coordinate landowner and title company due diligence as well as the format and review of surveys and title commitments in instances in which numerous landowners and tracts are involved.</p> <p>Kimberlee Centera, AES Wind Generation - San Diego, CA Brent G. Stahl, Stahl Bernal &amp; Davies, L.L.P. - Austin, TX</p>
11:45 am 0.67 hr	<p><b>Anatomy of a Wind Deal</b></p> <p>A non-technical discussion of the role and impact of federal tax credit, state renewable energy credits, turbine deposits, interconnection agreements and other related economic consideration in wind deals—an overview of the key issues covered in the developers' roundtable to follow.</p> <p>Ciaran O'Brien, Airtricity, Inc. - Chicago, IL</p>

### Monday Afternoon, Feb. 26, 2007

**Presiding Officer:**

**Andy Bowman**, Airtricity, Inc. - Austin, TX

1:30 pm 1.00 hr	<p><b>Wind Leases: Developer and Land Owner Perspectives</b></p> <p>This session covers the latest developments and emerging terms in wind leases and the key negotiating points between developers and landowners. Sample leases and annotated clauses will be provided.</p> <p>Lisa Chavarria, McElroy Sullivan &amp; Miller LLP - Austin, TX Moderator: Heather Otten, Invenergy LLC - Austin, TX Roderick E. Wetsel, Steakley, Wetsel, &amp; Carmichael LLP - Sweetwater, TX Robert Payton Wright, Baker Botts, L.L.P. - Houston, TX</p>
2:30 pm 1.00 hr	<p><b>Developers' Roundtable: Wind Deals in Texas</b></p> <p>This session examines how developers look at the viability and value of potential projects, including key legal and financial considerations.</p> <p>Glenn Allen Hodges, Babcock &amp; Brown - Austin, TX Andy Bowman, Airtricity, Inc. - Austin, TX David Groberg, Rockville, MD David Herrick, FPL Energy, LLC - Juno Beach, FL Moderator: Ward C. Marshall, Babcock &amp; Brown - Austin, TX Craig Matczynski, RES Americas Developments, Inc. - Austin, TX Robert Sims, AES Wind Generation - San Diego, CA</p>
4:00 pm 1.00 hr	<p><b>Follow the Money: The Rush to Finance and Invest in Renewables</b></p> <p>This session examines who's investing in wind deals and the nature and characteristics of investing and finance at each stage in development. Learn who the major players and financiers are and what they are looking for—business and legal considerations. This session will also discuss the M&amp;A activity in this section and implications for the industry.</p> <p>Moderator: Douglas S. Bland, Vinson &amp; Elkins, L.L.P. - Houston, TX William H. Holmes, Stoel Rives LLP - Portland, OR Stephen Krebs, Baker Botts, LLP - Houston, TX Kevin B. Smith, Invenergy LLC - Chicago, IL</p>
5:00 pm 0.00 hr ethics	<p><b>Wildcatting for Wind, The Texas Experience from Turbine to Market</b></p> <p>This short documentary—produced specifically for the 2007 Conference—takes you onto working wind farms in the Sweetwater, TX region: from ground operations to the top of the turbines, to explain construction, generation, operation, and interconnection. As a special bonus, each attendee will receive a complimentary DVD of the documentary.</p> <p>Many thanks to Babcock &amp; Brown, FPL Energy, LLC, GE Wind Energy, and the Sweetwater community.</p>

## **Tuesday Morning, Feb. 27, 2007**

**Presiding Officer:**

**Mike Sloan**, Virtus Energy Research Associates Inc. - Austin, TX

9:00 am 0.75 hr	<p><b>Grid 101: Understanding the Electrical Transmission Grid in Texas</b></p> <p>The essential primer on the power system, including the fundamentals on managing the grid, transmission constraints, reliability limits and capacity issues, key terms, vocabulary and concepts—all with PowerPoint illustrations.</p> <p>Ken A. Donohoo, ERCOT Taylor - Taylor, TX</p>
9:45 am 1.00 hr	<p><b>From Economics to Clean Air Credits: Is Wind Power a Good Deal for Texas?</b></p> <p>This session opens with a brief explanation of the role and operation of the Texas Renewable Portfolio Standards (RPS) and Renewable Energy Credits (REC), and continues with a discussion of related policy issues, e.g., transmission funding, wind integration issues, new emission credits, etc. The panel closes with an exchange of differing views on the economics and environmental impact of wind energy and what is the best wind policy for Texas' future.</p> <p>Tammy Cooper, Austin, TX Mark Dreyfus, Austin Energy - Austin, TX Mike Sloan, Virtus Energy Research Associates Inc. - Austin, TX</p>
10:45 am 1.25 hrs	<p><b>Grid 102: The Future of Transmission in Texas</b></p> <p>The future growth and location of wind developments are heavily dependent on transmission capacity to move energy from wind farms in largely rural wind areas to more densely populated markets. The transmission for many wind-rich areas of Texas is near or at capacity, and will be subject to transmission curtailment by ERCOT, if additional wind farms are developed. The Texas Legislature has taken steps to increase the contribution of renewable energy resources by asking ERCOT to study and the PUC to designate Competitive Renewable Energy Zones (CREZ) and identify the new transmission facilities needed for the CREZs. In December 2006, ERCOT provided the PUC with engineering analysis for new CREZ zones' designations: Which areas are most likely to be designated and see build-out, on which routes, at what capacity levels, and when? What will the impact be on transmission capacity, and the location of new wind power development? How will transmission build-out be prioritized, financed and actually constructed? What impact will ERCOT's new nodal pricing mechanisms have on development incentives? Leading experts from ERCOT, the PUC and the transmission sector will explain the new system, and discuss how these new rules are likely to play out in practice over the next year.</p> <p>Ken A. Donohoo, ERCOT Taylor - Taylor, TX Paul Hassink, AEP - Tulsa, OK Jess K. Totten, Public Utility Commission of Texas - Austin, TX Dan Woodfin, ERCOT - Taylor, TX</p>

## **Tuesday Afternoon, Feb. 27, 2007**

### **Presiding Officers:**

**C. Kingsbery Otto**, Senate Subcommittee on Agriculture, Rural Affairs and Coastal Resources - Lago Vista, TX

**Mike Sloan**, Virtus Energy Research Associates Inc. - Austin, TX

12:30 pm 1.25 hrs	<p><b>Luncheon Presentation: Wind Energy Policymaker Panel: Where We've Been and Where We're Going</b></p> <p>Leading policymakers look back at the recent SB20 legislation and discuss the state of pending regulations and future policy initiatives designed to promote the growth of wind power.</p> <p>Moderator:  Paul Hudson, Public Utility Commission of Texas - Austin, TX  Phil King, House Committee on Regulated Industries - Austin, TX  Jerry Patterson, Texas General Land Office - Austin, TX  David Swinford, State Representative - Austin, TX  Kathleen Harnett White, TX Commission on Environmental Quality - Austin, TX</p>
2:00 pm 0.75 hr	<p><b>Coastal and Offshore Wind Development</b></p> <p>This session discusses unique siting; development and technical issues relative to coastal and offshore development; special leasing and other regulatory issues; and concludes with a discussion on how long it will take for offshore development to be operational in Texas.</p> <p>M. Bradford Moody, Watt, Beckworth &amp; Thompson, L.L.P. - Houston, TX  Patrick Nye, American Shoreline, Inc. - Corpus Christi, TX  Jorge Ramirez, Texas General Land Office - Austin, TX  Tom "Smitty" Smith, Public Citizen - Austin, TX</p>
2:45 pm 1.00 hr	<p><b>The Market for Wind Energy: Who's Buying, Who's Not, and Why</b></p> <p>Market-based consumer demand for cleaner energy sources represents a major drive for future wind power installations. Whether through direct energy purchases or renewable energy credits, many environmentally-sensitive corporate and individual consumers are rapidly creating demand while a variety of players from traditional energy companies to brand new ventures are readying to serve that demand. This session discusses the motivations, possible regulatory obstacles, strategy and goals of various market participants—with a look at likely trends and developments over the next few years.</p> <p>Allison Wall, Houston, TX  Moderator:  Matt Clouse, Green Power Partnership, U.S. Environmen - Washington, DC  Chris Hendrix, Texas Retail Energy (Wal-Mart) - Bentonville, AR  Phillip W. Tonge, Direct Energy, LP - Houston, TX</p>
4:00 pm 0.50 hr	<p><b>Local and County Perspectives (and Pitfalls) in Dealing with Wind Energy</b></p> <p>A discussion of the impact of wind farm development at the (mostly rural) local and county levels. Construction, landowner royalties, spending, changes in the tax base and negotiations, and implementation of tax abatements—hear from those who have been through the process and have advised local officials or assisted developers on wind developments.</p> <p>Charles L. Black, Wagstaff, Alvis, Stubbeman, Seamster &amp; L - Abilene, TX  Mitchell G. Davenport, Jack County - Jacksboro, TX  C. Kingsbery Otto, Senate Subcommittee on Agriculture, Rural Affairs and Coastal Resources - Lago Vista, TX</p>
4:30 pm 0.50 hr	<p><b>Getting Off the Grid: Distributed Generation and Small Scale Self-Generation</b></p> <p>Want to go green? Get off the grid? Stay on the grid but reduce your energy bill? A former regulator and manufacturers of small scale wind turbines discuss what's involved and how it works.</p> <p>Shari Beth Heino, Austin, TX  Andy Kruse, Southwest Windpower - Flagstaff, AZ</p>