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- WINDPOWER Hub
- About WINDPOWER
 - Conference Location
 - A Greener Conference
- Event Schedule
- Registration
 - REGISTER NOW
 - Registration Options
 - Registration Costs
 - Attendee Types
 - Deadlines & Policies
 - Exhibitor Registration
 - Registration Edits
 - List of Attending Companies
 - Scholarships & Volunteer Opportunities
 - Recorded Conference Materials
 - International Attendees
- Conference Program
 - Schedule at a Glance
 - Detailed Program
 - General Sessions
 - Program Highlights
 - Posters
 - Pre-Conference Seminars
 - Session Handouts
 - Presenter Center
- WINDPOWER Job Fair
 - Careers in Wind Job Fair Floor Plan
- Special Events
 - WINDPOWER 2010 Scholarship Golf Open
 - First-Time Attendee Orientation
 - WINDPOWER Kick-Off Party
 - Special Screening of Climate Refugees
 - KidWind Challenge at WINDPOWER 2010
 - House of Blues – Wind Foundation Fundraiser
 - WINDPOWER Conference Dinner
 - 2nd Annual Scholarship 5K Race
 - Wind Farm Tour
- Hotel & Travel
 - Conference Hotels
 - Reserve Your

Detailed Program

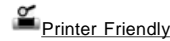
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SEARCH OPTIONS

Title
 Keyword
 Speaker's Last Name
 Speaker's Company
 Session Date
 Track



[Monday, May 24](#) [Tuesday, May 25](#) [Wednesday, May 26](#)

MONDAY, MAY 24

WINDPOWER 2010 - Welcome and Opening Session
Room : Arena

8:30 AM - 10:00 AM

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Powering America Forward

The Honorable Byron Dorgan, United States Senator (D-ND)

Powering America Forward

The Honorable Chet Culver, Governor, State of Iowa

Powering America Forward

The Honorable Bill Ritter, Governor, State of Colorado

Powering America Forward

The Honorable Ted Strickland, Governor, State of Ohio

Powering America Forward

The Honorable Cathy Zoi, Assistant Secretary, Energy Efficiency & Renewable Energy, U.S. Department of Energy

State of the Wind Energy Industry

Denise Bode, Chief Executive Officer, American Wind Energy Association

Challenges in Project Development: Navigating Your Way to Success

Room : C1 & C2

10:30 AM - 12:00 PM

Moderator : Patrick Woodson, Chief Development Officer, E. On Climate and Renewables

Defining a Proven Turbine

Brent Reardon, Manager - Turbine Group, Garrad Hassan

"Reverse RFPs"

Rusty Brewer, Associate, Cooley Godward Kronich LLP

Military, Radar, and Aviation Issues: Growing Concerns and Ways to Navigate Potential Problems

Geoff Blackman, Principal, Westslope Consulting, LLC

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Financing Realities & Options for Developers

Brett Rosenblatt, Partner, Partner, Latham & Watkins

Optimizing Capital in the Current Environment

Room : C3 & C4

10:30 AM - 12:00 PM

Moderator : Edward Zaelke, Attorney, Chadbourne & Parke LLP

TBA

Chip Carstensen, NORD/LB, Norddeutsche Landesbank Girozentrale

TBA

Lance Markowitz, Senior Vice President, Union Bank of California - UBOC

Investing in the Winds of Change

Kevin Walsh, Managing Director and Leader, Power and Renewables, GE Energy Financial Services

TBD

Ric Abel, Managing Director, Prudential Capital Group

Critical Wind Power Issues for Electric Utilities

Room : A2

10:30 AM - 12:00 PM

Moderator : Jeff Anthony, Director of Business Development, American Wind Energy Association

Managing Wind Powered Resource Acquisition Risk through the RFP Process

Michael Drunic, Manager, Consulting - Boston, DNV Global Energy Concepts

Integrating Wind Projects into Electric Cooperative Systems

Robert Putnam, Renewable Energy Technical Services Manager, CH2M HILL

Integration Costs: How are Perceptions and Practices Matching?

Michael Jacobs, Sr Engineer, National Renewable Energy Laboratory

Utility Wind Ownership Threatens IPP Competitive Edge

Timothy Stephure, Analyst- North America Wind Power Advisory, Emerging Energy Research

Wind 101 – Business

Room : A3

10:30 AM - 12:00 PM

Moderator : Keith Martin, Partner, Chadbourne & Parke LLP

Overview of the Wind Industry

John Dunlop, Senior Project Engineer, American Wind Energy Association

Economics Overview

Keith Martin, Partner

Siting Overview

Annonette Alberti, Vice President, Commercial Energy Program Development, Tetra Tech EC, Inc.

Aileen Kenney, Director of Permitting, Deepwater Wind LLC

Wind 101 – Laying the Technical Foundation

Room : A4

10:30 AM - 12:00 PM

Moderator : Sandy Butterfield, Chief Executive Officer, Boulder Wind Power

Technology Overview

Sandy Butterfield, Chief Executive Officer, Boulder Wind Power, Inc.

Wind Resources Analysis/Forecasting Overview

Brendan Taylor, Engineering Manager, Instruments, NRG Systems, Inc.

Transmission and Integration Issues

Ronald Lehr, Western Regional Representative, American Wind Energy Association

Public Acceptance: Building Wind Projects & Transmission

Room : C1 & C2

1:30 PM - 3:00 PM

Moderator : Susan Williams Sloan, Director of State Relations

TBA

Jeremy Fielding, Attorney, Lynn Tillotson Pinker & Cox, LLP

TBA

Larry Flowers, Principle Supervisor, National Renewable Energy Laboratory



Bronze



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#WP10

CrossVentures Day 2 at the Wind Power show and our slip ring partner UEA @ #1926 is getting great reviews for their wireless Proxi based product #WP10

thenewdeal RT

@Ted_Strickland: Thanks for the great feedback about Lake Erie's 1st-in-the-nation freshwater wind farm. It's an exciting project for #Ohio. #windworks #wp10

GOTVOTE2010 RT

@Ted_Strickland: Thanks for the great feedback about Lake Erie's 1st-in-the-nation freshwater wind farm. It's an exciting project for #Ohio. #windworks #wp10

Event Partners



Cash Value Stream

Room : C3 & C4



1:30 PM - 3:00 PM

Moderator : Ed Feo, Partner, Milbank, Tweed, Hadley & McCloy LLP**Innovative REC Strategies For Project Finance**Justin Segall, Vice President of Resource Development, Renewable Choice Energy**Removing obstacles to long-term contracting in RPS states with restructured electricity markets.**Peter Toomey, Manager, Environmental Markets, Iberdrola Renewables, Inc.**TBA**Kellie Metcalf, Director - Power Marketing and Origination, Pattern Energy Group LP**TBA**Maria Klutey, Chief Financial Officer, American Wind Capital Corp.Legislative Panel of Wind Industry Leaders

Room : A1



1:30 PM - 3:00 PM

Moderator : Christopher Chwastyk, Vice President of Federal Legislative Affairs, AWEA**Panel Discussion**The Honorable Jerry McNerney, Congressman, U.S. House of Representatives (D-CA 11th District)**Panel Discussion**Joseph Condo, Vice President and General Counsel, Invenergy LLC**Panel Discussion**Dirk Matthys, Chairman & CEO Gamesa North America, Gamesa**Panel Discussion**Edward Lowe, General Manager - Renewables Market Development, GE Energy**Panel Discussion**Roby Roberts, Government Affairs, Horizon Wind EnergyLearning from the Leaders: Case Studies in Utility Growth in Wind Power

Room : A2



1:30 PM - 3:00 PM

Moderator : Kim Zuhlke, President, Kim Zuhlke Consulting, LLC**Public Utility Perspective on RPS Wind Resources for Los Angeles DWP**Brian Koch, Manager Of Resource Development, Los Angeles Department of Water & Power (LADWP)**New Legislation Opens the Door to Wind Development in Nebraska**David Rich, Renewable Energy Development Manager, Nebraska Public Power District**Xcel Energy Experience as the Leading U.S. Electric Utility for Wind Power**Tim Kawakami, Director, Purchased Power, Xcel Energy**Case Study: Whispering Willow Wind Farm**Michelle Arenson, Director - Wind Energy Development, Alliant EnergyProject Performance Using Reliable Turbines

Room : A3



1:30 PM - 3:00 PM

Moderator : Marty Crotty, Chief Executive Officer, Upwind Solutions, Inc.**Understanding Trends in Overall U.S. Wind Project Performance**Ryan Wisler, Staff Scientist, Lawrence Berkeley National Laboratory**Comparative Review of Methodologies for Assessing Wind Farm Performance**Jean-Daniel Langlois, Team Leader, Operational Services, GL Garrad Hassan
Investigation of Turbine Power Performance Using Remote Sensing TechnologiesDan Jaynes, Measurements Group Team Leader, Garrad Hassan America**Supporting the Export - Guideline for the Certification of Wind Turbines, 2010**Mike Woebeking, Dipl.-Ing., EWE / IWE, Germanischer Lloyd

Beyond 20%: Smart Grid, Electric Vehicles, Energy Storage, & Solar under Wind



Room : A4

1:30 PM - 3:00 PM

Moderator : Craig Mataczynski, Principal, Red Willow Management, LLC

Solar & Wind: The Benefits and Complexities of Combining Solar and Wind Energy

Adam Kankiewicz, Research Scientist, WindLogics Inc.

Smart Grids: Carbon and Economic Trade-Offs

Rebecca Johnson, Researcher, University of Colorado

Flexible Demand-side and Storage Technologies in High Renewable Generation Scenarios

Trieu Maj, Energy Analyst, National Renewable Energy Laboratory

Smart Grids and Electric Vehicles -- Growing Wind Power

Lawrence Jones, Director, Strategy & Special Projects, Worldwide, AREVA T&D Inc.

Airspace Conflicts: The Latest on Radar & Aviation Concerns



Room : C1 & C2

3:30 PM - 5:00 PM

Moderator : Gary Seifert, Program Manager, Idaho National Laboratory

TBA

William Van Houten, Office of the Deputy Under Secretary of Defense for Installations and Environment

Collaboration in Action for Wind & Radar - CRADA in Solano County

Lieutenant Colonel Brian Lindsey, Deputy Director of Staff, United States Air Force

Mark Tholke, Director, Southwest Region, enXco, Inc

Resolving Radar Issues with Data Fusion

Michael Watson, CEO, Pager Power Limited

Techniques To Remove The Effects of Wind Farms on Surveillance Radars

Peter Drake, DASR Technical Director / ATM Future Surveillance Lead, Raytheon Company

Capital Sources for the Future



Room : C3 & C4

3:30 PM - 5:00 PM

Moderator : Christopher Stolarski, Senior Vice President, Mizuho Corporate Bank, Ltd.

Panel Discussion

Raymond Wood, Co-Head of Alternative Energy Group, Credit Suisse

Capital Sources for the Future

John Eber, Managing Director, JPMorgan Capital Corporation

TBA

Stephen Schaefer, Managing Director, Riverstone Holdings, LLC

Current Policy Issues



Room : A1

3:30 PM - 5:00 PM

Moderator : Karl Rabago, Vice President, Distributed Energy Services, Austin Energy

The Benefits of a Strong National Renewable Electricity Standard

Jeff Deyette, Senior Analyst, Union of Concerned Scientists

What is Really Needed for 20% Wind Energy

Dave Corbus, Senior Engineer, National Renewable Energy Laboratory

"US Wind Policy: A View from the States"

Seth Dunn, Renewables Policy Leader, Americas, GE Energy

The Interaction of Federal RES and State RPS Policies

Edward Holt, President, Ed Holt & Associates, Inc.

Power Session: Utility Involvement in the Wind Energy Industry



Room : A2

3:30 PM - 5:00 PM

Moderator : Stephen Krebs, Partner, Baker Botts LLP

Panel Discussion

Robert Clayton, Chairperson, Missouri Public Utilities Commission (PUC)

Panel Discussion

Anne Selting, Director, Utilities & Infrastructure Group, Standard & Poor's

Panel Discussion

Elliot Mainzer, Executive Vice President for Corporate Strategy, Bonneville Power Administration

Panel Discussion


John Calaway, Director of Wind Development, Pattern Energy Group LP

Panel Discussion

Charles Patton, Executive Vice President - West Utilities, American Electric Power

Advancing Project Reliability and Success

Room : A3

3:30 PM - 5:00 PM 

Moderator : Mike Kelly, Vice President of Operations, Spinnaker Energy, Inc

How Turbine Inspections and Performance Monitoring Enhance Long-Term Reliability

Marc LeBlanc, Vice President Operational Services – North America, GL Garrad Hassan North America

Lessons Learned from Recent Blade Failures: How to Minimize Blade Failure Risks

Dayton Griffin, Principal Engineer, DNV Global Energy Concepts (DNV-GEC)

Aligning The Goals Of The Owner/Operator During The Warranty Period


Paul Haberlein, Director, SCADA Engineering, Clipper Windpower, Inc.

Challenges for Large Scale Implementation of Condition Monitoring on Wind Turbines

Jacob Juhl Christensen, Product Manager, Vestas Wind Systems

Launch of Scientific Track: Research Future in Wind Energy

Room : A4

3:30 PM - 5:00 PM 

Moderator : Dale Berg, Advanced Rotor Technology Lead, Sandia National Laboratories

TBA

Mahendra Singh, Program Director, Civil, Mechanical & Manufacturing Innovation, National Science Foundation

DOE Strategic Plan

Mark Higgins, Department of Energy (DOE)

AWEA Research & Development (R&D) Committee Updates


P. Barry Butler, Professor and Dean, The University of Iowa

Research Community Perspective

Fort Felker, Director, National Wind Technology Center, National Renewable Energy Laboratory - NREL

Advanced Inspection Method for Wind Turbines


Room : Concourse, Hall A/B

5:00 PM - 6:00 PM 

Eric Kamphues, M.Sc., MECAL Wind Farm Services

Today's New Financing Options for Community Wind

Room : Concourse, Hall A/B


5:00 PM - 6:00 PM 

James F. Duffy, Partner, Nixon Peabody LLP

TUESDAY, MAY 25

General Session: Wind Energy - Powering America Forward

Room : Arena

8:30 AM - 10:00 AM 

AWEA Board Chair Message

Victor Abate, Vice President for Renewables,, GE Energy

Wind Industry Leaders Panel Discussion

Gabriel Alonso, Chief Executive Officer and President, Horizon Wind Energy

Ned Hall, AES EVP and AES Wind Generation President, AES Wind Generation

Michael O'Sullivan, Senior Vice President, NextEra Energy Resources

Jens-Peter Saul, President and Chief Executive Officer, Siemens Wind Power A/S

Martha Wyrsh, President, Vestas Americas


Special Keynote Speaker

The Honorable George W. Bush, 43rd President of the United States of America

State of the Wind Energy Industry & Implications for the

Future

Room : C1 & C2

10:30 AM - 12:00 PM 

Moderator : [Elizabeth Salerno](#), Director of Industry Data & Analysis, American Wind Energy Association (AWEA)

Status of U.S. Wind Power Market and Drivers for the Future

[Kathy Belyeu](#), Manager of Industry Information Services, American Wind Energy Association (AWEA)

Trends in the Cost, Performance, and Pricing of U.S. Wind Projects

[Ryan Wisler](#), Staff Scientist, Lawrence Berkeley National Laboratory

Hurdling the Credit Crunch and Beyond: trends in the US wind market

[Tyler Tringas](#), Lead Analyst, Wind Insight, Bloomberg New Energy Finance

[Latest Wildlife Research & Planning Tools for the Development & Operation of Wind Energy Facilities](#)



Room : C3 & C4

10:30 AM - 12:00 PM

Moderator : [Steven Quarles](#), Partner, Crowell & Moring LLP

A Wind-Wildlife Research Information System (RIS) to Guide Wind Energy Planning and Development

[Abby Arnold](#), Executive Director, American Wind Wildlife Institute

Wildlife Information for Decisions, Planning, & Operations of Wind Energy Resources

[Jesse Schwartz](#), Senior Analyst, ICF Jones & Stokes

Working To Reduce Negative Impacts Of Development On Lesser Prairie-Chickens In Oklahoma

[Russ Horton](#), Wildlife Research Supervisor, Oklahoma Department of Wildlife Conservation

Updated Summary of Bird and Bat Fatalities from Wind-Energy Facilities.

[Wallace Erickson](#), Consulting Biometrician/Senior Manager, Western EcoSystem Technology, Inc.

REDUCING BAT FATALITIES AT WIND ENERGY FACILITIES

[Edward Arnett](#), Conservation Scientist, Bat Conservation International

[Strategic Transmission Policy](#)



Room : A1

10:30 AM - 12:00 PM

Moderator : [Rob Gramlich](#), Senior Vice President of Public Policy, American Wind Energy Association

Panel Discussion

[Anna Giovinetto](#), VP, Public Affairs, RES Americas Inc

Panel Discussion

[Monty Humble](#), Counsel, Monty Humble

Panel Discussion

[Hal Romanowitz](#), President, Oak Creek Energy Systems, Inc.

Panel Discussion

[Michael Skelly](#), President, Clean Line Energy Partners, LLC

Panel Discussion

[Kris Zadlo](#), Vice President, Invenergy LLC

[International Wind Energy Update](#)



Room : A2

10:30 AM - 12:00 PM

Moderator : [Stephen Miner](#), Senior Vice President for Conference, Membership and Business Development, American Wind Energy Association

Global Risk and Opportunities for the Wind Industry

[Peter Brun](#), Senior Vice President, Government Relations, Group Government Relations, Vestas Wind Systems A/S

Spanish Markets

[The Honorable Pedro Marín](#), Secretary of State for Energy, Ministry of Industry, Tourism, and Commerce, Government of Spain

Global Markets

[Steve Sawyer](#), Secretary General, Global Wind Energy Council (GWEC)

A Status Report on Wind Energy Development in Canada

[Robert Hornung](#), President, Canadian Wind Energy Association

European Markets


[Christian Kjaer](#), CEO, European Wind Energy Association (EWEA)

British Markets Update

Adam Bruce, Chairman, Renewable UK

Developing, Understanding & Testing Reliable Drive Trains

Room : A3

10:30 AM - 12:00 PM 

Moderator : Carsten Westergaard, Global Technology Director, Vestas Technology R&D Americas, Inc.

Generator Failure Mode Statistical Analysis

Kevin Alewine, Director of Renewable Energy Services, Shermco Industries

NREL Gearbox Reliability Collaborative Experimental Data Overview and Analysis

Francisco Oyague, Research Engineer, National Renewable Energy Laboratory

Innovative Solutions With Differential Gearboxes


Burkhard Lips, Key Account Manager, Bosch Rexroth Corporation

The Variable-Speed, Full-Converter Wind Turbine: Characteristics and Capabilities

Robert Nelson, Manager of Codes, Standards and Regulations, Siemens Wind Turbines - Americas

Advances in Utility Wind Integration

Room : A4

10:30 AM - 12:00 PM 

Moderator : J. Charles Smith, Managing Director, Nexgen Energy LLC

Advancing Wind Integration Study Methodologies: Implications of Higher Levels of Wind

Michael Milligan, Principal Analyst, National Renewable Energy Laboratory

Developing Wind Resource and Plant Output Data Sets for Wind Integration Studies


John Manobianco, Director of Research, AWS Truepower, LLC

Unit Commitment Considering Generation Flexibility and Environmental Constraints

Shuai Lu, Senior Research Engineer, Pacific Northwest National Laboratory

Power Session: Texas Experience

Room : C1 & C2

1:30 PM - 3:00 PM 

Moderator : Pat Wood, Principal, Wood3 Resources

Panel Discussion

Ray Perryman, CEO, The Perryman Group

Panel Discussion

Vanessa Kellogg, Director of Project Development, Southwest Region, Horizon Wind Energy

Panel Discussion

The Honorable Rodney Ellis, Senator, State of Texas

Panel Discussion


Charles Jenkins, Chief Operating Officer, Oncor Electric Delivery Co LLC

Panel Discussion

Paul Hudson, Founder and Principal, Stratus Energy Group

Wind Power Development – Permitting & Policy

Room : C3 & C4

1:30 PM - 3:00 PM 

Moderator : John Anderson, Environmental Manager - Operations, BP Alternative Energy North America, Inc.

Federal Advisory Committee developing Wind Turbine Guidelines Advisory Committee

Rene Braud, Director, Permitting & Environmental Affairs, Horizon Wind Energy

Results From A Nationwide Study of Property Values Near Windfarms: What Next?

Ben Hoen, Primary Investigator, Lawrence Berkeley National Laboratory

Assessing Potential Health Effects of Wind Turbine Sound - Expert Panel Findings

Mark Bastasch, Acoustical Engineer, CH2M HILL

Lessons Learned From Habitat Conservation Plans: Applications For Wind And Endangered Species

Laura Nagy, Natural Resources Discipline Lead, Tetra Tech EC

Number One Transmission Issues Session

Room : A1

1:30 PM - 3:00 PM

Moderator : Wayne Mays, Director, Technical Services, Iberdrola Renewables

The Most Significant Barrier To Constructing Needed Transmission: Cost Allocation Policies

Larry Eisenstat, Energy Practice Leader/Partner, Dickstein Shapiro LLP

Integrating Wind On The Transmission Grid: A Regulator Perspective

Lauren Azar, Commissioner, Public Service Commission of Wisconsin

Identifying Transmission Expansion for Wind in the Western Renewable Energy Zone Initiative

Andrew Mills, Principal Research Associate, Lawrence Berkeley National Laboratory

A Sustainable Energy Future for the US, the Vision and its Realisation

Eddie O'Connor, Chief Executive Officer, Mainstream Renewable Power

Export Opportunities in the Wind Industry

Room : A2

1:30 PM - 3:00 PM

Moderator : Jessica Isaacs, Policy Analyst, American Wind Energy Association

TBA

Andrew Mathews, Vice President - Wind Turbine Financing, Clipper Windpower

TBA

Andrew Kruse, Founder & Senior Vice President of Business Development, Southwest Windpower, Inc.

Competing Abroad: Trends in Foreign Wind Policy and Implications for U.S. Companies

Brian O'Hanlon, Senior Renewable Energy Analyst, U.S. Department of Commerce

TBA

Craig O'Connor, Director - Office of Renewable Energy and Environmental Exports, Export-Import bank of the United States

TBA

Timothy Poor, Senior Vice President, Global Sales and Business Development, American Superconductor - AMSC

Wind Turbine Technology: Aerodynamics & Blade Design

Room : A3

1:30 PM - 3:00 PM

Moderator : Case van Dam, Professor/Director, University of California, Davis

Power boosting of wind turbine blades

Stefano Bove, Project manager, LM Wind Power Blades A/S

Computational Prediction of Airfoil Roughness Sensitivity

Jesper Laursen, Development Engineer, Aerodynamics, Siemens Wind Power

Innovative Pitch Control Strategy to Reduce Fatigue Damage while Balancing Performance

Scott Johnson, Development Engineer, University of California, Davis

Quieter Wind Turbines through Aero-Acoustic Simulation

Sidney Xue, Principal Engineer, Vestas Technology R&D Americas, Inc

Wind Forecasting: Current Research Topics

Room : A4

1:30 PM - 3:00 PM

Moderator : Mark Ahlstrom, Chief Executive Officer, WindLogics

A New Approach Using Targeted Observations to Improve Short-Term Wind Power Forecasts

John Zack, Principal, AWS Truepower, LLC

Good or Bad Wind Power Forecasts, a Relative Concept

Ricardo Bessa, Researcher, INESC Porto LA

Wind forecasting: State of the Art Modeling Tools and Challenges

Yubao Liu, Project Scientist III, National Center for Atmospheric Research

Southwest Power Pool: Wind Successes

Room : C1 & C2

3:30 PM - 5:00 PM

Moderator : Mark Lawlor, Director of Development, Clean Line Energy**Panel Discussion**Phil Crissup, Oklahoma Gas & Electric Company (OG&E)**Panel Discussion**Kelly Harrison, VP Transmission Operations & Environmental Services, Westar Energy, Inc.**Policy and Project Updates from SPP**Les Dillahunt, Senior Vice President, Engineering and Regulatory Policy, Southwest Power Pool**Panel Discussion**Steve Gaw, Policy Director, The Wind CoalitionWorker Health & Safety

Room : C3 & C4

3:30 PM - 5:00 PM

Moderator : Gregg Flobeck, Director, Business Development O&M Services, Sky Climber Wind Solutions, LLC**OSHA Update**Cathy Legan, Regulatory Advisor, Occupational Safety & Health Administration**Operational Challenges for Facility Operations: Training Wind Farm Personnel on Electrical Power Systems**James White, Training Director, Shermco Industries, Inc**Wind Turbine Safety Standards and Certifications.**Tim Zgonena, Principal Engineer, Underwriters Laboratories, Inc.**Protect Crews Against Deadly Lightning Strikes**Don Leick, Product Management Director - Weather Products, Telvent DTNInnovative Policy to Expand Wind

Room : A1

3:30 PM - 5:00 PM

Moderator : David Blittersdorf, President / CEO, AllEarth Renewables, Inc.**Closing the Federal Renewable Electricity Standard Loophole: How to Fix the Federal Bill so that Compliance and Voluntary Renewable Markets Continue t**Gabe Petlin, Director of Regulatory Affairs, 3Degrees Group, Inc.**Wind Power Answer in Times of Water Scarcity**Larry Flowers, Principle Supervisor, National Renewable Energy Laboratory**Wind Lessons Learned in Texas: the Agony and the Ecstasy**Mike Sloan, President, Virtus Energy**Getting the Framework rRght: Market Drivers for Offshore Wind**Erik Kjaer Sorensen, Director, Vestas Wind SystemsLegal Issues: Lessons Learned & Case Studies

Room : A2

3:30 PM - 5:00 PM

Moderator : Jim Barkley, Partner, Baker Botts LLP**Avoiding Wind Farm Litigation from Your Neighbor**Bill Kroger, Partner, Baker Botts L.L.P.**When Worlds Collide: The Wind Build-Transfer Agreement in Myth and Reality**Edward Einowski, Partner, Stoel Rives LLP**Overview of Intellectual Property and Its Application to the Wind Industry**Robert Lord, Partner, Osha Liang LLP**A More Active Role for Wind Resources in ISO/RTO Markets**Sean A. Atkins, Partner, Alston & Bird LLPPower Session Technical: Cutting Edge in Other Industries and Parallels to Wind

Room : A3

3:30 PM - 5:00 PM


Moderator : Andrew Oliver, VP Technologies, RES Americas Inc**'Tornadoes'**Harold Brooks, Head, Mesoscale Applications Group, National Severe Storms Laboratory

The Grid operator Control Room Perspective

Mike McMullen, Director, West Regional Operations, Midwest ISO

Rotorcraft Engineering Sciences & Technology Summary

Michael Strauss, Senior Design Engineer, Advanced Concepts, Sikorsky Aircraft

Performance & Reliability 

Room : A4

3:30 PM - 5:00 PM

Moderator : Paul Veers, Distinguished Member of the Technical Staff, Sandia National Laboratories

Langevin Power Curves for Wind Energy Converters: Measurement, Monitoring, and Numerical Modeling

Matthias Waechter, Researcher, ForWind Center for Wind Energy Research


Sources of time-varying contact stress and misalignment in wind turbine planetary sets

Ashley Crowther, Chief Engineer Wind Turbine Systems, Romax Technology Limited

Condition Monitoring in Wind Turbine Structures

Douglas Adams, Kenninger Professor of Renewable Energy and Power, Purdue University

WEDNESDAY, MAY 26

Large Wind Turbine Manufacturer Forum - Part 1, Manufacturing and Supply Chain 

Room : C1 & C2

8:30 AM - 10:00 AM

Moderator : Lars Moller, President, Technology & International, Broadwind Energy

Panel Discussion

Scott Gros, Senior Vice President of Sales, Vestas-American Wind Technology, Inc.

Panel Discussion

Tad Matley, General Manager Renewable Energy Operations, GE Energy

Panel Discussion

Michael Revak, Vice President Sales and Proposal, Siemens Energy, Inc., Wind Power Americas

Panel Discussion

Ralf Sigrist, President & CEO, Nordex USA, Inc.

Panel Discussion

David Takash, Vice President of Sales & Marketing, North America, Gamesa Wind US

Panel Discussion

Perry Wozney, Director, Strategic Procurement, Acciona Windpower North America

Moving the Workforce Forward with Education 

Room : C3 & C4

8:30 AM - 10:00 AM

Moderator : Ian Baring-Gould, Senior Engineer & Supervisor for Wind Technology Deployment, National Renewable Energy Laboratory

Workforce Development for Wind Industry Professionals "Achieving 20% Wind by 2030"

Ruth Marsh, Senior Engineer, Consulting, DNV Global Energy Concepts Inc.

Becoming WindWise: Increasing Community Support and Understanding of Wind Energy through K-12 Education


Christine Denny, Vice President, Pandion Systems, Inc.

Importance & Positive Results - When Industry Collaborates with Educational Institutions

Alden Zeitz, Director of Operations, DeWind Co

Importance & Positive Results - When Industry Collaborates with Educational Institutions

Dan Chase, Contract Negotiator, Renewable and Alternative Power, Southern California Edison

Wind Project Construction: Meeting New Construction and Site Mobilization Challenges 

Room : A1

8:30 AM - 10:00 AM

Moderator : Ben Gilbert, Jr., Vice President, Business Development, MasTec, Inc.

Successful Interaction between Owner, Supplier, and Contractor: An EPC Perspective

[Kevin Deters](#), Director of Operations, Mortenson Construction
Construction Quality Control – Lessons Learned


[Daniel Sleezer](#), Project Manager, Sargent & Lundy, L.L.C.
Early Engagement of Design & Construction Teams – The Key to Project Success

[Betty Rosen](#), Project Manager, Burns & McDonnell
Site Mobilization, Foundation, and Infrastructure Development

[Julian Bell](#), Director of Pre-Construction, Signal Energy, LLC

Financing & Policy Issues for Community Wind

Room : A2

8:30 AM - 10:00 AM 

Moderator : [Jeff Wright](#), Vice President, Midwest Wind Finance

Community-Based Energy Development in Practice: Lessons Learned and Best Practices

[Ryan Harry](#), Technical Research Analyst, BCS, Incorporated
Fox Islands Wind: A Model for Community Wind Power Development


[George Baker](#), Vice President for Community Wind, Island Institute
Quantifying the Value of ARRA 2009 to Community Wind Projects

[Mark Bolinger](#), Research Scientist, Lawrence Berkeley National Laboratory
Using Federal Tax Incentives In Community Wind Projects

[Edwin Ing](#), Attorney, Law Office of Edwin T. C. Ing

Wind Turbine Technology: Structures, Loads, and Control

Room : A3

8:30 AM - 10:00 AM 

Moderator : [Andrew Swift](#), Director, Texas Tech University Wind Science and Engineering Research Center

Drivetrain Analytical Tools and their Role in Reliable Wind Turbine Gearbox Design

[Craig Christenson](#), Senior Vice President, Engineering, Clipper Windpower
Incorporating Diamond Nanocomposites into Next-Generation Wind Turbine Blades


[Blake Branson](#), Chief Science Officer, sp3 nanotech, LLC
Earthquake Response Modeling for a Parked and Operating Megawatt-Scale Wind Turbine

[Ian Prowell](#), Graduate Student Researcher, University of California, San Diego
Inline Inspection of Automated Carbon Composite Manufacturing

[Waseem Faidi](#), Scientist, GE Global Research

Resource Assessment

Room : A4

8:30 AM - 10:00 AM 

Moderator : [Bruce Bailey](#), President, AWS Truepower, LLC

Development and Testing of a Wind Simulator at an Operating Wind Farm


[Robert Conzemius](#), Senior Atmospheric Scientist, WindLogics, Inc.
An Analytical Correction to Treat NRG #40 Data Affected by Vibration/DFW

[Erik Hale](#), Assistant Meteorology Group Manager, AWS Truepower, LLC
Power Losses due to Turbine Wakes in Large, Irregularly Spaced Wind Farms

[Rebecca Barthelmie](#), Professor, Indiana University

Large Wind Turbine Manufacturer Forum- Part 2, Market Issues

Room : C1 & C2

10:30 AM - 12:00 PM 

[Edward Zaelke](#), Attorney, Chadbourne & Parke LLP

Panel Discussion

[Andy Cukurs](#), CEO North America, Suzlon Wind Energy Corporation
Panel Discussion

[Steve Dayney](#), CEO, REpower USA Corporation
Panel Discussion

[Charles Vaughan](#), Vice President, Sales, Clipper Windpower, Inc.

Panel Discussion

Bud Leathers, Regional Director- Sales, Mitsubishi Power Systems, Inc.

Apollo, Blue-Green Alliances & the U.S. Wind Industry: Winning Strategies for Good/Green Jobs



Room : C3 & C4

10:30 AM - 12:00 PM

Moderator : Michael Peck, Wind Energy Foundation / Apollo, Blue-Green Board Member
Apollo's "Make It In America" Program

Matt Mayrl, Policy Director, Apollo Alliance
National Good and Green Jobs Movement

Dave Foster, Executive Director, Blue Green Alliance
Growing Mandate for Domestic Content and How to Ramp up U.S. Manufacturing Competitiveness

Scott Paul, Executive Director, Alliance for American Manufacturing
TBA

James Sims, Molycorp Minerals LLC
Wind Turbine Manufacturers in the US : Locations and Local Impacts

Suzanne Tegen, Senior Policy Analyst, National Renewable Energy Laboratory
Tools and Insights to Power Small Wind Forward



Room : A1

10:30 AM - 12:00 PM

Moderator : Brett Pingree, Vice President, Americas, Northern Power Systems
A Detailed Look at Turbulence Intensity

Byron Neal, Agricultural Engineer, U.S. Department of Agriculture / Agricultural Research Service

Noise Issues, Noise Levels and Noise Perception from Small Wind Systems

Jennifer Taylor, PhD Research Student, University of Nottingham
Ground Roughness Visualizations Using GIS

Charles Newcomb, Chief Technology Officer, NexGen Energy Partners LLC
Certifying the Performance of Small Wind Turbines

Brent Summerville, Technical Director, Small Wind Certification Council

Expanding Opportunities for Community Wind



Room : A2

10:30 AM - 12:00 PM

Moderator : David A. Drescher, Vice President, Wind Energy, John Deere Renewables, LLC

Supplying Growth in the Community Wind Market using Mid-Size (600kW-1MW) Wind Turbines

Kevin Schulte, CEO - Co-Founder/Owner, Sustainable Energy Developments, Inc.

Creating New Market Pathways by Leveraging Relationships with Utilities

Ted Rose, Vice President of Business Development and Public Affairs, NexGen Energy Partners

A Role for Remote Sensing in Community-Scale Wind Projects

Kathleen Moore, President, Integrated Environmental Data, LLC
Advantages of Distributed, Community Wind: Spreading Risk in Transmission, Economic Impacts and Resource

Cynthia Crooks, Vice President - Development, OwnEnergy

Grid Interconnection of Wind Power Facilities



Room : A3

10:30 AM - 12:00 PM

Moderator : Stan Gray, Pattern Energy Group LP

WHAT IS A GRID FRIENDLY WIND TURBINE

Kevin Cousineau, Director, Electrical Engineering & Controls, Clipper Windpower Inc.

Use of Rotating Energy for Frequency Control with Wind Turbines

Matthias Dernbach, Senior Engineer, REpower Systems AG
Wind Generation on Series-Compensated Transmission Systems

Einar Larsen, Director - Engineering, GE Energy

The Nature of Short Circuit Current Contribution of Different Wind Turbine Types

Nader Samaan, Senior Power Systems Engineer, Pacific Northwest National Laboratory

Deepwater Offshore Wind Technologies

Room : A4

10:30 AM - 12:00 PM



Moderator : Habib Dagher, Director, AEWC Advanced Structures and Composites Center, University of Maine

TBA

Dominique Roddier, CTO, Principle Power Inc.

Hywind by StatoilHydro, the Worlds First Full Scale Floating Wind Turbine.

Sjur Bratland, Asset Manager, StatoilHydro

Reliability Analysis for a Spar Buoy-Supported Floating Offshore Wind Turbine

Lance Manuel, Associate Professor, University of Texas at Austin

Manufacturing the Future – Challenges in the Wind Energy Supply

Chain

Room : C1 & C2

1:30 PM - 3:00 PM



Moderator : Dan Radomski, Co-Founder, Kinetik Partners

North America Wind Supply Chain Retools for Future Growth

Matthew Kaplan, Senior Analyst, Emerging Energy Research

Expanding America's Wind Component Manufacturing Footprint

Ed Weston, Director, Great Lakes Wind Network

Planning Ahead For The Coming Wind Boom Insights For New Suppliers

Ian Cluderay, Vice President, Supply Chain Management, Clipper Turbine Works, Inc.

Wausaukee Composites and the Manufacture of Wind Turbine Components in the U.S.

David Lisle, President & Chief Executive Officer, Wausaukee Composites, Inc.

Beyond RES: Maintaining the Playing Field

Room : C3 & C4

1:30 PM - 3:00 PM



Moderator : Kevin Lynch, Director, Policy and Regulation, Iberdrola Renewables

Beyond RES: How Procurement, Taxation and Siting Impact Ohio's Wind Industry

Chris Montgomery, Attorney, Bricker & Eckler LLP

The State of Wind Energy in the State of Colorado

Elizabeth Mogen, Associate Professor, Colorado State University

Property Tax regimes in Key States for Wind Development: Trends and Opportunities

David Streicker, Senior Counsel, Holland & Knight LLP

The Good, the Bad, the Ugly and the Opportunity: Wind Energy Development in New England

Seth Kaplan, Vice President for Policy and Climate Advocacy, Conservation Law Foundation

Developing the Offshore Wind Industry in the United States

Room : A1

1:30 PM - 3:00 PM



Moderator : Jim Lanard, Managing Director, Deepwater Wind, LLC

North American Offshore Catches Wind

Matthew Daprato, Analyst, Emerging Energy Research

Cost effective installation of offshore windfarms. Lessons learned by the Europeans

Kurt E. Thomsen, CEO, Advanced Offshore Solutions Aps

Risk Management of Offshore Wind Project Activities in North America

Kevin Smith, Business Development Leader, DNV Global Energy Concepts Inc.

Navigating the Permitting Process for Offshore Wind Energy Projects

Renu Gupta, Counsel, Cooley Godward Kronish LLP

Resource Assessment - Part 1

Room : A2

1:30 PM - 3:00 PM



Moderator : [Jack Kline](#), Consulting Meteorologist, RAM Associates

ASOS Cup-to-Sonic Transfer And Uncertainty Derived From Co-located Cup/Sonic Instrument Pairings

[Matthew Meyers](#), Wind Analysis Manager, E.ON Climate & Renewables, North America

The effect of seasonality on wind speed prediction bias in the Plains

[Andrew Oliver](#), VP Technologies, RES Americas Inc

Use of High Resolution Roughness Data for Wind Modeling in Forested Area

[Guillaume Dupont](#), Project Engineer, Meteodyn America Inc.

Challenge & Opportunity for Wind Power Forecasters & the Respective Roles of Public & Private Sectors



Room : A3

1:30 PM - 3:00 PM

Moderator : [Mark Ahlstrom](#), Chief Executive Officer, WindLogics

An Introduction to Wind Ramps

[Catherine Finley](#), Senior Scientist, WindLogics Inc.

[George McLean](#), Senior Meteorologist, Iberdrola Renewables

The Bonneville Power Administration Wind Ramp Forecasting Research and Development Effort

[Phil Barbour](#), Sr. Faculty Research Assistant, Oregon State University

Advancing National Wind Integration Through Deliberate Private-Public Sector Collaboration in Wind Forecasting

[Melinda Marquis](#), Renewable Energy Project Manager, NOAA/ESRL

Panel Discussion

[Bruce Bailey](#), President

Panel Discussion

[Jeff Lerner](#), Director of Product Delivery, 3TIER

Turbine Structures, Loads, & Controls



Room : A4

1:30 PM - 3:00 PM

Moderator : [Kyle Wetzel](#), President, Wetzel Engineering, Inc.

Fatigue Performance of Defect-Tolerant Glass Composites Based on a New, High-Toughness Resin

[Brian Edgecombe](#), Director, Materials R&D, Materia Inc.

Investigation of the Main Parameters Affecting the Design of Wind Turbine Gravity Foundations

[Jomaa Ben-Hassine](#), Civil Design Engineering Manager, Renewable Energy Systems Americas, Inc.

Load Reducing Controls for Production Turbines

[Arne Koerber](#), Engineer, GE Energy

Transportation & Logistics – Getting Components from the Factory to the Field



Room : C1 & C2

3:30 PM - 5:00 PM

Moderator : [Vikash Patel](#), Logistics Sourcing Leader, GE Energy

Wind on Truck: Infrastructure Challenges to Road Transportation

[Jay Folladori](#), Vice President Heavy Specialized, Landstar Transportation Logistics

Building an Efficient Supply Chain for the Wind Energy Industry

[Katie Farmer](#), Vice President Sales - Industrial Products, BNSF Railway

Inland Waterway Transportation Solutions for the Wind Energy Industry

[Gabriel Forir](#), Director of Sales, Midwest Region, American Commercial Lines

Transportation & Logistics – Getting Components from the Factory to the Field Safely and Efficiently

[Doug Miller](#), Vice President of Operations, LoneStar Transportation Company, LLC

Wind Power & Economic Development



Room : C3 & C4

3:30 PM - 5:00 PM

Moderator : [Britt Theismann](#), Senior Vice President, COO, American Wind Energy Association

How State Economic Development Groups Can Help Build the Industry Supply Chain

[Christopher Chung](#), President and CEO, The Missouri Partnership
Site Selection Challenges: Workforce, Logistics, and Supply Chain

[Ed McCallum](#), Senior Principal, McCallum Sweeney Consulting, Inc
TBA

[Greg Wortham](#), Mayor of Sweetwater, Texas, Texas Wind Energy Clearinghouse

Regional Challenges for Development of Offshore Wind Projects

Room : A1

3:30 PM - 5:00 PM

Moderator : [Michael Olsen](#), Counsel, Bracewell & Giuliani

Texas Policy

[Dwain Rogers](#), Deputy Commissioner for Renewable Energy, Texas General Land Office

University of Maine Deepwater Wind Testbed

[Habib Dagher](#), Director, AEWCA Advanced Structures and Composites Center, University of Maine

Southern Atlantic Coast

[Spencer Hanes](#), Project Sponsor, NC Coastal Wind Demonstration Project, Duke Energy Corporation

Great Lakes Update

[Michael Klepinger](#), Staff Director, Michigan GLOW Council, Mikinetics Consulting, LLC

Resource Assessment - Part 2

Room : A2

3:30 PM - 5:00 PM

Moderator : [Rob Istchenko](#), Wind Resource Assessment Manager, GENIVAR

Turbulence - Above and Beyond. A Guide to Spatial Extrapolation.

[Henrik Pedersen](#), Wind&Site Engineer, Suzlon Energy A/S

"Characterization of Icing Events and the Effects on Turbine Performance"

[Gerrud Wallaert](#), Acciona Energy North America

Deep Array Wake Loss in Large Onshore Wind Farms (A Model Validation)

[Justin Wolfe](#), Senior Wind Analyst, E.ON Climate & Renewables North America

Wind Flow and Wake Model Performance Validation Using Large-Scale Operating Wind Farms

[Jean-Daniel Langlois](#), Team Leader, Operational Services, GL Garrad Hassan

Wind Energy Integration

Room : A3

3:30 PM - 5:00 PM

Moderator : [Pascal Storck](#), President, 3TIER

Results of the Eastern Wind Integration and Transmission Study

[Dave Corbus](#), Senior Engineer, National Renewable Energy Laboratory

Western Wind and Solar Integration Study: Grid Operations with 30% Wind Energy

[Debbie Lew](#), Senior Project Manager, National Renewable Energy Laboratory

Combining Balancing Areas' Variability: Impacts on Wind Integration in the Western Interconnection

[Michael Milligan](#), Principal Analyst, National Renewable Energy Laboratory

Utilizing Load Response for Wind and Solar Integration and Power System Reliability

[Brendan Kirby](#), Consultant, National Renewable Energy Laboratory

Inflow, Dynamics, & Loads Modeling

Room : A4

3:30 PM - 5:00 PM

Moderator : [Emil Moroz](#), -, -

Inhomogeneity of Wind Turbulence Field: Implications for Wind Turbine Inflow Simulation

[Jason McNeill](#), NSF IGERT Fellow, Texas Tech University

Getting Reliable Extreme Wind Load Predictions From Short Term Wind Data Records

[Rolando Vega](#), Lead Wind Engineer, ABS Consulting

Wind Turbine Load Simulation during Thunderstorm Downbursts

Lance Manuel, Associate Professor, University of Texas at Austin

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