

Events by Date

Please mark changes and additions in another color.
Return to Julie Jones at julie_jones@nrel.gov

Start Date:	End Date:	City/State:	Event:	Contact Information:
5/4/2009	5/9/2009	Cotuit, MA	Small Wind Installers Workshop http://www.reliance.org/store/category.asp?cat=1	

<p>Cape and Islands Self-Reliance Corporation is hosting its annual small wind installers' workshop. The installation will consist of a 15-kW Proven turbine on a monopole tower.</p>

<p>This workshop is a hands-on training opportunity for renewable energy practitioners, business owners and interested individuals looking to get more experience with siting requirements, wind turbine equipment selection, and actual installation of a machine. </p>

<p>During this 6-day workshop, participants spend half of the day in classroom sessions and half of the day conducting hands-on activities relating to the actual turbine installation. You will be part of a complete installation, from siting to tying into the grid. This is a working workshop where active participation is required.</p>

<p>Please see the Web site for full information.</p>

Start Date:	End Date:	City/State:	Event:	Contact Information:
5/8/2009		Chicago, IL	Wind Powering America State Summit	

Hotel Allegro.

<p class="nobottom">Draft Agenda (PDF 52 KB) Download Adobe Reader </p>

<p class="nobottom">Registration</p>

<p>The Summit provides Wind Powering America's (WPA's) network of state wind working groups, state energy officials, DOE and national lab WPA representatives and its professional and institutional partners an opportunity to review successes, opportunities and challenges for wind at the state level. Participants share strategies/lessons learned, review priority activities/topics, and celebrate and recognize accomplishments among peers. The Summit features plenary sessions, regional and state breakouts, and smaller group discussions on focused issues, as well as presentations and remarks from invited national guest speakers. Summit participants include leaders of Wind Powering America's state wind working groups, institutional partners, wind industry experts, and DOE and National Laboratory staff. Registration is free and requested for planning purposes. Print a map to Hotel Allegro and more directions.</p>

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Start Date: 5/11/2009
End Date:
City/State: , DC

Event:

AWEA Utility Working Group Webcast: Wind Power Reliability and Integration

<https://www2.gotomeeting.com/register/822418635>

Contact Information:

<p>Second in a series of 2009 Webcasts for electric utilities from the American Wind Energy Association (AWEA), the subject of this Webcast relates to reliability and integration of wind power, two subjects that arise often when utilities are evaluating wind power as a generation option. </p>

<p>The first presenter will be Mark Lauby from the North American Electric Reliability Corporation (NERC) who will present the results of an important study that they just completed. Reliably integrating larger amounts of wind, solar, and other variable generation into the bulk power system will require changes to the way the system is planned and operated, described in their April 2009 special report entitled "Accommodating High Levels of Variable Generation." Mark will present the report and take questions on the findings from this groundbreaking study. </p>

<p>Then, Michael Milligan from the National Renewable Energy Laboratory (NREL) will present an update on two major "wind integration" studies currently underway in the United States. These studies are evaluating the feasibility and costs associated with integrating large amounts of wind and solar power into the U.S. grid — one study is covering the Eastern Interconnect and the other study is covering the Western Interconnect. Both studies are currently still being conducted, so Michael will present a status report on each study and some preliminary results from each.</p>

<p>Please join us in this Webinar to learn the state of the art information related to wind power and reliably integrated it into the U.S. grid. </p>

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Start Date:	End Date:	City/State:	Event:	Contact Information:
5/11/2009	5/13/2009	Washington, DC	<p>National Hydropower Association 2009 Annual Conference</p> <p>http://www.hydro.org/conference2009/program.php</p> <p>Capital Hilton Hotel.</p> <p><h4>Wind Sessions</h4></p> <p></p> <p class="nobottom">Integrating Hydro and Wind: Toward a National Energy Policy</p><p class="nobottom">May 12, 2009; 8:30 a.m. - 9:45 a.m.</p><p class="nobottom">Presiding: Richard R. Miller, P.E., NHA President</p><p>Hydroelectric facilities, both existing and prospective, can serve an important role for enabling expansion of U.S. wind power. Learn about hydro's opportunity in this role, and how wind and hydro can work together to shape policies that will strengthen hydro-wind partnerships.</p> <p>The American Wind Energy Associations's Rob Gramlich, Policy Director, will be speaking about the opportunities for wind-hydro partnerships and how the industries can work together to shape federal policies to support projects and new development.</p> <p class="nobottom">Firming the Future: Costs of Operating Hydro Equipment to Support Other Renewables </p><p class="nobottom">May 12, 2009; 11:40 a.m. - 12:50 p.m.</p><p class="nobottom">Session Leader: John Claybrook, North American Phoenix Energy Services</p><p>As more renewable resources move onto the grid, hydro's ability to integrate these technologies presents opportunities as well as challenges. This session will shine a light on the cost issues associated with starting and stopping hydro turbine-generating units to support intermittent renewable resources. Hear about approaches being used to determine these costs, and what's been learned. Also, hear about the approaches considered and taken for recovering increased costs.</p>	

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Start Date: 5/11/2009 **End Date:** 5/13/2009 **City/State:** Sioux Falls, SD

Event:
Crisis or Renaissance? The State of America's Energy
<http://www.puc.sd.gov/energyconf/>

Contact Information:
South Dakota PUC
puc@state.sd.us
605-773-3201

<p>Is our country headed for an energy crisis or is there a renaissance in process? Will the cost of heating our homes become greater than our house payment? Is our economy destined for dramatic increases in energy prices? Is the U.S. doing enough to encourage a meaningful and comprehensive energy plan? Are renewable fuels such as wind, hydrogen and biomass viable alternatives or small and expensive contributors?</p>

<p>Join the South Dakota Public Utilities Commission for Crisis or Renaissance? The State of America's Energy, a comprehensive conference May 11-13, 2009, in Sioux Falls, S.D. Respected experts will share facts about the state of America's energy covering subjects such as environmental issues and climate changes to nuclear energy and the need for coal. You'll also hear presentations on wind energy, fossil fuels and global outlooks for energy development.</p>

<p>Conference activities include a welcome reception on Monday evening, and morning and afternoon sessions, with luncheons, on Tuesday and Wednesday. Commissioner Marc Spitzer of the Federal Energy Regulatory Commission will be a keynote speaker.</p>

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Start Date: 5/12/2009 **End Date:** 5/14/2009 **City/State:** Rosemont, IL

Event:
11th Annual Electric Power Conference and Exhibition

Contact Information:
Electric Power
electricpower@tradefairgroup.com
832-242-1969

<http://www.electricpowerexpo.com/>
Donald E. Stephens Convention Center.

Wind-Related Sessions

Demand Response/Reserve Margins/Reliability

May 14, 2009; 8:00 a.m. - 10:00 a.m.

This session will look at the impacts on reserve margin and grid reliability resulting from the recent growth in the renewable generation market and the emerging demand response strategies employed to address those impacts.

Chair: John Copen, Product Line Manager, Siemens Energy

Wind Turbine Capacity as Reserve Margin

Robert Nelson, Siemens Energy, Wind Power

Integrating Digital Asset Intelligence into Comprehensive Power Plant Knowledge Management

May 13, 2009; 10:00 a.m. - 11:30 a.m.

Power generators are facing unprecedented business pressures that prevent or delay capacity additions, including exorbitantly high fuel and commodity costs, a political climate favoring demand reductions and renewables, skilled labor and engineering shortages, carbon constraints, and lack of transmission capability. For the near term, therefore, the generation sector's focus will be on extracting the most productivity from existing assets. To best accomplish this, owner/operators are embarking on strategies that begin with a portfolio approach to their assets and/or a centralized performance monitoring facility.

This session illustrates that, while these are excellent first steps, the "end-game" is to execute a comprehensive, integrated knowledge management strategy with two principal elements: the digital element — asset intelligence embodied by myriad automation and software performance solutions — and the human element — the people who are assigned responsibility for the power plant asset, the processes through which they work, and the cultural aspects of the organization. The session begins with a high-level overview of a generic strategy, followed by presentations by two suppliers of asset intelligence tools and two owner/operators providing a glimpse into how aspects of the strategy are being executed. These strategies and tactics are being applied at fossil, nuclear, and wind energy facilities.

Chasing Renewables with Combustion Turbines — Fast-Start Capabilities

May 12, 2009; 2:00 -4:00 p.m.

The continued expansion of wind energy around the world poses new challenges to traditional forms of power generation. Gas turbines are naturally being called upon to rise to these challenges. This session will present both sides of the equation, discussing the future of wind turbines, plans to enhance dispatch ability, and how gas turbines are being adapted to respond.

Wind Energy

May 13, 2009; 10:00 -11:30 a.m.

The growth rate of the wind energy industry in the U.S. alone has

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averaged 29% over the last five years, and wind is the second-largest source of new generation being added in the U.S. This session showcases the key issues, challenges, and best practices that contribute to this unprecedented growth. Session presentations will cover emerging trends, best practices that turn development projects into generating assets, wind project plant operation and maintenance issues, supply chain opportunities, and transmission challenges. <p>Chair: Jeffrey Anthony, Manager, Utility Programs and Policy, American Wind Energy Association</p>

<p style="margin-bottom:0px;">State and Federal Programs and Targets to Promote Renewables, Worldwide</p>

<p style="margin-bottom:0px;">May 14, 2009; 8:00 - 9:30 a.m.</p>

<p>Progressive state and federal policies have driven the demand for and market growth of renewable energy. Presenters at this session will discuss current and proposed regulations and compliance targets for renewable energy. Governmental and private sector experts will outline new opportunities for expansion and renewable energy project development.</p>

<p style="margin-bottom:0px;">Grid Power and Energy Storage Technologies for Long-Term Renewable Generation</p>

<p style="margin-bottom:0px;">May 14, 2009; 10:00 a.m. - 12:00 p.m. </p>

<p>Renewable energy is already a mainstream generating option for utilities. For long-term growth of renewable energy technologies, energy storage may play a key role in the future. This session presents papers on various energy storage technologies and how they may play a greater role as a grid/system resource in the future. </p>

Start Date: 5/13/2009
End Date:
City/State: Worcester, MA

Event:
Massachusetts Wind Working Group Meeting
<http://www.ceere.org/rerl/mwwg.html>

Holy Name Central Catholic Junior/Senior High School.
<p>3:00 - 5:00 p.m.

We will tour the new 600-kW turbine and hear remarks from Holy Name President Mary Riordan and project developer Sustainable Energy Development, who will also talk about the viability of community-scale wind energy. Please RSVP! </p>

Contact Information:
Lynn Di Tullio
ditullio@ecs.umass.edu?subject=MWWG RSVP 5-13-09
413-545-2864

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Start Date: 5/14/2009
End Date:
City/State: Newton, IA

Event:

Central Iowa Wind Energy Conference

<http://www.extension.iastate.edu/jasper/news/wind.htm>

Des Moines Area Community College Auditorium.

<p>9:00 a.m. - 3:30 p.m.

The conference gives participants a chance to evaluate wind as an energy source and explore the potential of wind energy. The conference will be of interest to producers, industry owners, school officials, residential owners and farmers who have continuous electric needs and want to generate their own power.</p>

<p>The key speakers will address wind energy basics, grants and zero-interest loans for wind generators and wind energy contracts.</p>

<p>The program includes discussions with early adopters of wind energy, with applications for home, school, business and on-farm wind turbine use. A panel of representatives from utility companies serving the area will conclude the conference.</p>

Contact Information:

Jasper County Extension Office

(641) 792-6433

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Start Date:	End Date:	City/State:	Event:	Contact Information:
5/14/2009		Washington, DC	12th Annual Congressional Renewable Energy and Energy Efficiency Expo and Forum Independence Avenue and New Jersey Ave. SE, U.S. House of Rep., Cannon House Office Bldg. Caucus Rm. <p>9:30 a.m. - 5:00 p.m.: Exhibits Open for Viewing 11:00 a.m. - Noon: Welcoming Remarks by Members of Congress 12:15 p.m. - 4:30 p.m.: Panels of Speakers On May 14, the Sustainable Energy Coalition — in cooperation with Members of the U.S. House of Representatives and U.S. Senate Renewable Energy & Energy Efficiency Caucuses — will host the 12th annual Congressional Renewable Energy & Energy Efficiency EXPO & Forum.</p> <p>This year's EXPO will bring together more than fifty businesses, sustainable energy industry trade associations, government agencies, and energy policy research organizations to showcase the status and near-term potential of the cross-section of renewable energy (biofuels/biomass, geothermal, solar, water, wind) and energy efficiency technologies.</p> <p>Members of the U.S. Congress will offer welcoming remarks in the morning while afternoon speakers will discuss the role sustainable energy technologies can play in meeting America's energy needs.</p> <p>As Congress, the Administration, the business community, environmental advocates, and American voters search for options to address ways to stimulate the economy, "green jobs," higher energy costs, increased reliance on energy imports, and the potential threat posed by rising levels of greenhouse gas emissions, the EXPO will help address the role that sustainable energy technologies might play. </p> <p>This will include not only the technical aspects of renewable energy and energy-efficient technologies but also related issues such as economics, jobs potential, environmental benefits, current and near-term market potential, model programs in the public and private sectors, and institutional, financial and legal barriers.</p> <p>The EXPO is free, open to the public, and no RSVPs are required.</p>	Ken Bossong, Sustainable Energy Coalition kbossong614@yahoo.com 301-270-6477 x.23

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Start Date: 5/18/2009 **End Date:** 5/19/2009 **City/State:** Groton, CT

Event:
16th Annual New England Energy Conference and Expo

Contact Information:

Mystic Marriott Hotel and Spa, 625 North Road (Route 117).

The conference will bring together industry leaders and public officials from all sectors affecting the energy industry to discuss and debate the issues facing the New England energy markets. External events including the economy, the turmoil in the credit markets, and the change of Administration in Washington have greatly impacted the energy industry. This conference will examine the impacts of these external events on the New England energy markets. Please see the Web site for [more information](http://www.necanews.org/dev/index.php?go=event_view&id=43).

Start Date: 5/20/2009 **End Date:** **City/State:** , CO

Event:
Small Wind and Distributed Generation: Webinar

Contact Information:

Ryan Harry, BCS Incorporated
RHarry@BCS-HQ.com
(303) 425-6800

10 a.m.–12:00 p.m. MDT

Find out what's happening with small wind and other distributed generation technologies — economic and environmental considerations, technical obstacles and opportunities, grid impacts and future outlook. Reserve your place early.

Sponsors include: National Rural Electric Cooperative Association, American Public Power Association — DEED program, Western Area Power Administration, U.S. DOE Wind and Hydropower Technologies Program, National Renewable Energy Laboratory, Utility Wind Integration Group, American Wind Energy Association — AWEA Utility Working Group, National Wind Coordinating Collaborative.

Start Date: 5/21/2009 **End Date:** **City/State:** Boston, MA

Event:
**Disrupting the Status Quo in Electric Energy Management:
A Systems Approach to a Sustainable Energy Future**

Contact Information:

<http://www.bu.edu/se/news/seminar.html>

Boston University Photonics Center, 8 St. Mary's Street.

9:00 a.m. - 5:00 p.m.

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Start Date:	End Date:	City/State:	Event:	Contact Information:
5/21/2009		University Center, MI	Alternative Energy Supplier Development Conference http://www.svsu.edu/cbed/entrepreneurship/conferences.html Saginaw Valley State University. <p>8:00 a.m. - 4:00 p.m. The conference is designed specifically to help regional manufacturers and suppliers understand and effectively compete in the rapidly emerging Alternative Energy markets. The conference will provide attendees with actionable and detailed information on such items as product specifications and requirements, components and subassemblies, market demands, trends and drivers, supply chains, product producers, references and support resources. </p> <p>The morning session is "Wind Market Projections and Manufacturing Needs for Large and Small Wind Systems," presented by Dan Rodamski, Vice President Industry Services, NextEnergy and Loch McCabe, Shepherd Advisors. And, "Wind Turbine Company-Needs for US Manufacturing Partners," presented by Lynnea Harding, Purchasing Manager, Danotek Motion Technologies.</p> <p>Please see the Web site for a full agenda and registration information.</p>	

Start Date:	End Date:	City/State:	Event:	Contact Information:
5/22/2009		Manchester Village, VT	Perfect Power: Northeast Conference http://www.vermont.org/energy_conf_5_2009.html Equinox Resort. <p>The region's premier distributed generation and smart grid conference.</p>	

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Start Date:	End Date:	City/State:	Event:	Contact Information:
5/31/2009	6/2/2009	,	2009 International Wind-Diesel Workshop http://arctic.pembina.org/wind Crowne Plaza Hotel, Ottawa, Canada. <p>The 2009 International Wind-Diesel Workshop will bring together a focused group of interested parties — government, private industry and non-governmental organizations — with experience and interest in wind-diesel. </p> <p>Furthering the successes of past workshops, the 2009 workshop will provide a great environment to share experiences, discuss the future of wind-diesel in Canada and internationally, and to showcase specific projects, companies and products.</p> <p>The topics to be covered during the presentations and panel sessions range from technical discussions of available systems and recent innovations, to more policy-oriented sessions regarding the challenges of promoting wind-diesel in Canada and other jurisdictions. </p> <p>The workshop will be held at the Crowne Plaza Hotel in Ottawa, from June 1-2, 2009. A special introductory course on wind-diesel systems will be held at the Crowne Plaza Hotel on May 31, 2009.</p> <p>Please see the Web site for an agenda and registration. Early-Bird registration ends May 15, 2009.</p>	

Start Date:	End Date:	City/State:	Event:	Contact Information:
6/1/2009		Mitchell, SD	Wind for Schools South Dakota Educator Workshop Mitchell Technical Institute. <p>8:30 a.m. - 5:30 p.m. The Wind for Schools Program and The National Energy Education Development (NEED) Project are pleased to announce the upcoming Wind for Schools South Dakota Educator Workshop. Classroom teachers involved and interested in the Wind for Schools Program will have a unique opportunity to learn about wind energy, wind generated electricity, and the use of data produced from wind installations in their classrooms. </p> <p>The workshop is free to educators on a first come, first served basis. Breakfast, lunch, classroom materials are provided. Register by May 22, 2009. Space is limited, so please fax the attached registration (PDF 166 KB) Download Adobe Readeras soon as possible. Confirmation will be sent after your registration is received.</p>	Wendi Moss, NEED wmoss@need.org 800-875-5029

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Start Date:	End Date:	City/State:	Event:	Contact Information:
6/9/2009		, DC	AWEA Webinar: Community Wind and Utilities https://www2.gotomeeting.com/register/662627058 <p>3:00 -4:30 p.m. EDT Local stakeholders want to play an ever bigger role in the use and development of wind energy. Individual landowners have a personal stake in the success of this industry and are looking for ways to maximize the value of wind for themselves and their communities. Local communities, including agricultural and rural economic development interests, can help build the industry's success in their backyards. </p> <p>In addition, utilities are looking for approaches to wind power that can capture the maximum benefits of a wind project for their customers. This Webinar will explore the intersection and potential opportunities for Community Wind and Utility interests in wind power development. </p>	
6/10/2009		, MI	Great Lakes Wind Council http://www.michiganlowcouncil.org/meetings.html	
6/10/2009		Indianapolis, IN	Indiana Wind Working Group Meeting http://www.in.gov/oed/2421.htm Indiana Government Center South Building, Conference Room B. <p>9:00 a.m. - 12:00 p.m. Directions</p>	Contact Information: Travis Murphy, Office of Energy and Defense Development tmurphy@oed.in.gov (317) 232-7578

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Start Date:	End Date:	City/State:	Event:	Contact Information:
6/10/2009	6/11/2009	Milwaukee, WI	Great Lakes Wind Collaborative 2nd Annual Meeting http://glc.org/energy/wind/conf2009.html <p class="nobottom">The meeting will feature:</p>Offshore case studies Transmission and supply chain issues, and Avian and wildlife issues research <p>Additionally, the meeting will include updates on past, current, and future wind activities from state and provincial leaders, as well as workgroup discussions about the Collaborative's activities over the course of its first year of operation and breakout sessions looking into future Great Lakes Wind Collaborative work activities. The first day of the meeting will conclude with a virtual field trip, with presentations by representatives from an east central Wisconsin wind farm. </p><p>Please see the Web site for an agenda, registration, and sponsorship.</p>	

Start Date:	End Date:	City/State:	Event:	Contact Information:
6/12/2009		Boston, MA	11th New England Restructuring Roundtable: Building Transmission to Deliver Renewable Energy Resources to New Englanders Foley Hoag LLP, 155 Seaport Boulevard, 13th Floor Conference Room. <p>9:00 a.m. - 12:30 p.m. New England is currently considering several proposals for building transmission to bring renewable energy resources from northern New England and Canada to population centers in southern New England. These proposals could provide substantial benefits but also raise concerns about the role of imported renewables versus in-state or off-shore renewables, the allocation of transmission costs, and siting. Similar potential opportunities and concerns will crop up as the nation begins to discuss massive investments in transmission to bring renewable energy resources from the Midwest and the Rocky Mountains to population centers in the East.</p><p>The Restructuring Roundtables are free and open to the public. Advanced registration is not required. The Restructuring Roundtable has been meeting bimonthly since 1995, to discuss current topics related to revolutionary changes in the electric power industry in Massachusetts and throughout New England. It is supported by over 25 generous sponsors. Jonathan Raab, Ph.D, moderator of the Roundtable, is president of Raab Associates, Ltd, a Boston-based mediation and facilitation firm specializing in energy and environmental issues. He also teaches the sustainable energy policy class at MIT.</p>	Dr. Jonathan Raab raab@raabassociates.org 617-350-5544

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Start Date:	End Date:	City/State:	Event:	Contact Information:
6/13/2009	6/17/2009	Salt Lake City, UT	APPA National Conference Salt Palace Convention Center. <p>American Public Power Association National Conference Web site The American Public Power Association's (APPA's) National Conference is the Association's premier annual event, attracting mayors, city council members, elected and appointed utility board members, and senior utility executives. Over 1,200 individuals active in the public power industry attend this event held each year in June.</p><p>The conference features over 30 sessions on the topics facing the electric utility industry and public power, covering all facets of utility governance and operations. It's a great tool for those in the industry to learn about trends, changes, and new ideas, as well as ways to develop practical programs to benefit customers.</p><p>APPA's National Conference is the Association's annual major policy-setting meeting, where the APPA Board of Directors and Legislative and Resolutions Committee convene to approve policy objectives for the coming year.</p>	
6/16/2009	6/17/2009	Stevens Point, WI	Small Wind Power Conference http://www.the-mrea.org/smallwind.php Holiday Inn and Convention Center. <p>This is a 2-day conference for the wind industry professional to include installers, manufacturers, policy makers, and stake holders in the small wind industry.</p>	Contact Information: Kirsten Olson, Events Coordinator Kirsten@the-mrea.org (715) 592-6595 x21
6/17/2009	6/18/2009	Albuquerque, NM	Wind Turbine Reliability Workshop http://www.sandia.gov/wind/reliabilityworkshop_09.htm Sheraton Uptown. <p>The purpose of this workshop is to identify and examine turbine reliability issues among plant developers, operators, manufacturers and others.</p>	Contact Information:

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Start Date: 6/19/2009	End Date: 6/21/2009	City/State: Custer, WI	Event: 20th Anniversary Energy Fair http://www.the-mrea.org/energy_fair.php <p>The premier energy education event in the nation. Energy Fair features 200+ workshops on renewable energy and sustainable living, it also features 250 exhibitors, entertainment and much, much more!</p>	Contact Information: Midwest Renewable Energy Association info@the-mrea.org (715) 592-6595
Start Date: 6/20/2009	End Date:	City/State: Boston, MA	Event: Northeast Cooperative Summit http://www.cabotcheese.com/RSVP/ Boston Marriott Quincy Hotel. <p>This is the first Northeast Cooperative Summit and 71 cooperatives have already signed up.</p> <h4>Summit Panels</h4>Managing in a Recession Coop-to-Coop Successes Sustainability and Greening Raising Capital and Financing National and Regional Marketing Consortiums National Speakers Important Political Guests 	Contact Information:
Start Date: 6/20/2009	End Date:	City/State: Perrysburg, OH	Event: Green Energy and Green Collar Jobs: Northwest Ohio Regional Workshop Owens Community College, Audio/Visual Classroom Center, 30335 Oregon Road. <p>10:00 a.m. - 5:00 p.m. Attendees from the region will have the opportunity to hear from expert speakers, learn about green collar jobs and interact with companies at the free tradeshow.</p>	Contact Information: Green Energy Ohio geo@greenenergyohio.org 614-985-6131

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Start Date: 6/22/2009 **End Date:** 6/25/2009 **City/State:** Carbondale, CO

Event:
Renewable Energy for Educators Workshop
<http://www.solarenergy.org/workshops/reeducators.html>

Contact Information:

<p>Educators attending this seminar will learn about the impacts that our energy use has on the planet and how to best teach youth about solutions: energy conservation, energy efficiency, and renewable energy technologies.</p>

<p>Each day will include a hands-on element that can be employed in the classroom. In addition, participants will walk away with practical knowledge that they can apply in their own lives. Integrating renewable energy education into youth development can provide an element of excitement for science education and hope for the future. </p>

<p>Teachers who teach any age group will benefit greatly from this special workshop. </p>

<p>This workshop has been designed to meet the 5th-9th grade Colorado Science Standards.</p>

<p>Please see the Web site for full information.</p>

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Start Date: 6/23/2009 **End Date:** 6/24/2009 **City/State:** Norman, OK

Event:

Oklahoma Wind Commerce 2009: The Future is Now

<http://www.okcommerce.gov/energy/>
Norman Embassy Suites.

<p>Wind Commerce 2009: the Future is Now focuses on the many opportunities to create jobs and generate wealth across the state as Oklahoma fully develops and integrates its wind industry.</p>

<h4>Learn How To</h4>

- Capitalize on business opportunities within Oklahoma's emerging wind industry;
- Market community assets to wind power producers, wind-component manufacturers, repair and maintenance operations, and other wind industry service providers;
- Help communities, school systems, and tribal groups launch community-scale wind to meet individual electricity needs as well as create new revenue streams;
- Launch training and education programs designed to meet the wind industry's skill requirements and position your workforce to meet its employment demands;
- Prepare your company to produce, market, and sell new technologies coming out of Oklahoma's wind-related research and development efforts;
- Implement the policies and incentives needed to ensure that Oklahoma's wind industry meets its full capacity; and,
- Discover what trends and opportunities lie ahead for this emerging industry.

<h4>Who Should Attend</h4>

- Small business owners/manufacturers, entrepreneurs, and investors
- Legislators and government agency representatives
- Economic development professionals
- Community leaders
- Members of renewable energy advocacy groups
- Education/training and workforce development specialists
- Research entities in the wind and weather science industries

Contact Information:

Kathy Gain
Kathy_Gain@OKcommerce.gov
(800) 879-6552 x5267

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Start Date:	End Date:	City/State:	Event:	Contact Information:
6/23/2009	6/24/2009	New York, NY	6th Renewable Energy Finance Forum: Wall Street http://reffwallstreet.com/ Waldorf Astoria. <h4>Topics</h4> Understanding the new US government incentives, grants, subsidies, loans, loan guarantees and other programs Project development and finance — funding and deploying renewable energy capacity in the US Consolidation and prospects for M&A — value realization and protection in an uncertain market The role of institutional investors in funding clean energy expansion in the US Future for VC investment in renewables — new technologies, new deals in a tight market and where the investment dollars are likely to flow 	
6/24/2009		, CO	CREBS and PTC Update: Webinar <p>10 a.m.-12:00 p.m. MDT Congress recently passed appropriations for Clean Renewable Energy Bonds (CREBs) and Production Tax Credits (PTC). Learn which technologies are eligible, how to apply and the best strategies for securing an award. Reserve your place early.</p> <p>Sponsors include: National Rural Electric Cooperative Association, American Public Power Association — DEED program, Western Area Power Administration, U.S. DOE Wind and Hydropower Technologies Program, National Renewable Energy Laboratory, Utility Wind Integration Group, American Wind Energy Association — AWEA Utility Working Group, National Wind Coordinating Collaborative.</p>	Contact Information: Ryan Harry, BCS Incorporated RHarry@BCS-HQ.com (303) 425-6800
6/26/2009	6/28/2009	Onkama, MI	Michigan Energy Fair http://www.grea.org/events/MichiganEnergyFair2009/index.html Manistee County Fairgrounds. <p>The three-day event will unite people from throughout Michigan and the Great Lakes region to learn about energy issues and sustainable living. Attendees will have the opportunity to attend educational workshops, meet vendors offering valuable goods, services, and information, eat local food and hear great live music. The 2008 Michigan Energy Fair drew an attendance of over 6000 people from around the State and the Great Lakes region. </p>	Contact Information:

Please mark changes and additions in another color.
Return to Julie Jones at julie_jones@nrel.gov

Start Date:	End Date:	City/State:	Event:	Contact Information:
7/7/2009		Custer, WI	Introduction to Wind Systems http://www.the-mrea.org/workshops.php?id=1167943298	Midwest Renewable Energy Association info@the-mrea.org 715-592-6595

<p>9:00 a.m. - 5:00 p.m.

This one-day course is a prequel to Midwest Renewable Energy Association wind systems workshops and for people who have an interest in residential size wind systems for their home or business. This course will inform students as to what wind energy is, how it works and what it can do for you. Students in this course will learn the basics of wind energy. Topics will include: wind resources, basic system components, system types, turbine types, applications, and tower types.</p>

Start Date:	End Date:	City/State:	Event:	Contact Information:
7/18/2009		Elkton, MI	Elkton Wind Turbine Day	

<p>Catch the Breeze. Sponsored by the Elkton Chamber of Commerce. A full day of fun activities including Wind Turbine Tours and free movie screenings of Kilowatt Ours. The Elkton Chamber of Commerce provides a schedule of events (PDF 150 KB) Download Adobe Reader.</p>

Start Date:	End Date:	City/State:	Event:	Contact Information:
7/21/2009	7/22/2009	Indianapolis, IN	Windiana 2009 http://www.in.gov/oed/2413.htm Indianapolis Convention Center.	

Please mark changes and additions in another color.
Return to Julie Jones at julie_jones@nrel.gov

Start Date: 7/29/2009 **End Date:** **City/State:** , CO

Event:
Wind Turbine Maintenance Programs: Webinar

Contact Information:
Ryan Harry, BCS Incorporated
RHarry@BCS-HQ.com
(303) 425-6800

<p>10 a.m.-12:00 p.m. MDT
Discover how utility-owned wind projects have established effective turbine maintenance programs. Featuring both in-house and contractor-led perspectives, speakers will cover staffing requirements; maintenance training, planning and costs; and new wind maintenance applications and techniques. Reserve your place early.</p>

<p>Sponsors include: National Rural Electric Cooperative Association, American Public Power Association — DEED program, Western Area Power Administration, U.S. DOE Wind and Hydropower Technologies Program, National Renewable Energy Laboratory, Utility Wind Integration Group, American Wind Energy Association — AWEA Utility Working Group, National Wind Coordinating Collaborative.</p>

Start Date: 7/29/2009 **End Date:** **City/State:** , MI

Event:
Great Lakes Wind Council
<http://www.michiganglowcouncil.org/meetings.html>

Contact Information:

Start Date: 8/3/2009 **End Date:** 8/7/2009 **City/State:** Paonia, CO

Event:
Residential Wind Power Workshop
<http://www.solarenergy.org/workshops/wind.html>

Contact Information:

<p>Participants in this workshop will learn to design and install residential wind systems, up to 100kWh/day in capacity. The workshop will cover system sizing, site analysis, installation and safety issues, and hardware specification. Learn about the different commercially available residential wind turbines, how they work, and the advantages and disadvantages of each. Students will learn to estimate electrical production of a turbine given the parameters of the site, tower, and turbine. Get hands on experience with wind generators, and designing a wind/PV hybrid system. Please see the Web site for full information.</p>

Please mark changes and additions in another color.
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Start Date: 8/17/2009 **End Date:** **City/State:** Custer, WI

Event:
Introduction to Wind Systems
<http://www.the-mrea.org/workshops.php?id=1102604296>

Contact Information:
Midwest Renewable Energy Association
info@the-mrea.org
715-592-6595

<p>9:00 a.m. - 5:00 p.m.

This one-day course is a prequel to Midwest Renewable Energy Association wind systems workshops and for people who have an interest in residential size wind systems for their home or business. This course will inform students as to what wind energy is, how it works and what it can do for you. Topics will include: wind resources, basic system components, system types, turbine types, applications, and tower types.</p>

Start Date: 8/18/2009 **End Date:** 8/20/2009 **City/State:** Custer, WI

Event:
Wind Turbine Design Considerations
<http://www.the-mrea.org/workshops.php?id=1199916884>

Contact Information:
Midwest Renewable Energy Association
info@the-mrea.org
715-592-6595

<p>This workshop will examine the design considerations that go into the manufacture of a wind generator. Components will be studied including their structure, function, materials, how they operate, and reliability to understand what choices various manufacturers have made for their products and why. All of the commercially available residential-sized wind equipment on the market will be considered. This workshop will help wind site assessors, equipment dealers, installers and home owners ferret out the pro's and con's of all the wind generator options in the market place.</p>

Start Date: 8/26/2009 **End Date:** **City/State:** , CO

Event:
Municipal Utility Wind Project Case Studies: Webinar

Contact Information:
Ryan Harry, BCS Incorporated
RHarry@BCS-HQ.com
(303) 425-6800

<p>10 a.m.-12:00 p.m. MDT

Examine different approaches to municipal utility wind power projects through three case studies. The studies will look at utility-owned projects, purchase power projects, financing and contractual arrangements, overcoming management and technical barriers, reasons for choosing particular technologies, and more. Reserve your place early.</p>

<p>Sponsors include: National Rural Electric Cooperative Association, American Public Power Association — DEED program, Western Area Power Administration, U.S. DOE Wind and Hydropower Technologies Program, National Renewable Energy Laboratory, Utility Wind Integration Group, American Wind Energy Association — AWEA Utility Working Group, National Wind Coordinating Collaborative.</p>

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Start Date: 9/9/2009	End Date:	City/State: Indianapolis, IN	Event: Indiana Wind Working Group Meeting http://www.in.gov/oed/2421.htm Indiana Government Center South Building, Conference Room B. <p>9:00 a.m. - 12:00 p.m. Directions</p>	Contact Information: Travis Murphy, Office of Energy and Defense Development tmurphy@oed.in.gov (317) 232-7578
Start Date: 9/12/2009	End Date:	City/State: Beech Mountain, NC	Event: Small Scale Wind Energy Workshop http://www.wind.apstate.edu/workshops/workshops.php#smallwind Wind Energy Research and Demonstration facility. <p>Participants will learn how to evaluate wind resources, estimate annual energy output and about the range of residential wind systems in the marketplace today. The hands-on portion of the workshop will involve a tour of the Beech Mountain wind turbines and work on individual turbines.</p>	Contact Information:
Start Date: 9/13/2009	End Date: 9/16/2009	City/State: Annapolis, MD	Event: NASEO 2009 Annual Meeting http://www.naseo.org/events/annual/index.html Westin Annapolis. <p>The objective of the NASEO Annual Meeting is to provide an opportunity to state energy directors, technical energy staff officials, federal and regional energy officials and a wide variety of stakeholders to participate in informative sessions on numerous energy-related topics.</p>	Contact Information: Shemika Spencer, NASEO sspencer@naseo.org (703) 299-8800
Start Date: 9/14/2009	End Date: 9/17/2009	City/State: Charleston, SC	Event: Wind Integration Short Course http://www.uwig.org/shortcourse2009.html <p>This course is intended to provide the necessary background for engineers and researchers on the interconnection and integration of wind generation power plants into electric utility systems. It is also geared towards experts already working in this area, as there will be an opportunity to exchange knowledge and discuss experiences from around the globe. Experts from the United States and Europe will provide state-of-the-art knowledge and expertise on the application of power system engineering methods to address the incorporation of wind power plants into electric power systems.</p>	Contact Information: Sandy Smith, Conference and Communications sandy@uwig.org 865-218-4600, ext. 6141

Please mark changes and additions in another color.
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Start Date: 9/23/2009	End Date:	City/State: , CO	Event: Electric Cooperative Wind Project Case Studies: Webinar	Contact Information: Ryan Harry, BCS Incorporated RHarry@BCS-HQ.com (303) 425-6800
<p><p>10 a.m.-12:00 p.m. MDT
 This webinar will present the unique challenges of developing wind power projects from the electric cooperative's perspective. Three case studies examine a variety of issues related to cooperative-owned projects. Reserve your place early.</p></p> <p><p>Sponsors include: National Rural Electric Cooperative Association, American Public Power Association &mdash; DEED program, Western Area Power Administration, U.S. DOE Wind and Hydropower Technologies Program, National Renewable Energy Laboratory, Utility Wind Integration Group, American Wind Energy Association &mdash; AWEA Utility Working Group, National Wind Coordinating Collaborative.</p></p>				
Start Date: 9/30/2009	End Date: 10/1/2009	City/State: Minneapolis, MN	Event: AWEA Wind Resource and Project Energy Assessment Workshop http://www.awea.org/events/	Contact Information: American Wind Energy Association conference@awea.org (202) 383-2512
<p><p>Each year, the AWEA Wind Resource and Project Energy Assessment Workshop answers the evolving needs of the wind industry. This year will be no different as the workshop will focus on taking challenging concepts and making them practical to the practicing energy assessor. This workshop will take a technical look at various topics from a comparison of modeling techniques and examining sources of uncertainty, to post construction topics that focus on turbine performance and operational assessments.</p></p>				
Start Date: 10/6/2009	End Date: 10/7/2009	City/State: Topeka, KS	Event: Kansas Wind and Renewable Energy Conference	Contact Information: Jim Ploger 785-271-3349
<p>Topeka Ramada Inn.</p>				
Start Date: 10/7/2009	End Date: 10/9/2009	City/State: Cedar Rapids, IA	Event: UWIG Fall Technical Workshop	Contact Information: Sandy Smith, Conference and Communications Coordinator sandy@uwig.org (865) 218-4600, ext. 6141

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Start Date: 10/13/2009 **End Date:** 10/14/2009 **City/State:** New York, NY

Event:
AWEA Wind Power Finance and Investment Workshop
<http://www.awea.org/events/>

Contact Information:
American Wind Energy Association
conference@awea.org
(202) 383-2512

<p>It is important for wind industry professionals to have the investment and financial information needed to take full advantage of the growing wind energy market. Recognized as the premier financing workshop in the industry, the AWEA Wind Power Finance & Investment Workshop, will address the wind industry's ever-changing economic blueprint, and new financial and strategic opportunities.</p>

<p>Join leading project developers, lenders, investors and financial innovators for a workshop designed to benefit both industry veterans and newcomers alike. This is an event that cannot be missed at this critical point in the growth of the wind industry.</p>

Start Date: 10/17/2009 **End Date:** **City/State:** Minneapolis, MN

Event:
Introduction to Wind Systems
<http://www.the-mrea.org/workshops.php?id=1198100026>

Contact Information:
Midwest Renewable Energy Association
info@the-mrea.org
715-592-6595

<p>9:00 a.m. - 5:00 p.m.
This one-day course is a prequel to Midwest Renewable Energy Association wind systems workshops and for people who have an interest in residential size wind systems for their home or business. This course will inform students as to what wind energy is, how it works and what it can do for you. Students in this course will learn the basics of wind energy. Topics will include: wind resources, basic system components, system types, turbine types, applications, and tower types.</p>

Start Date: 10/20/2009 **End Date:** **City/State:** Davis, WV

Event:
West Virginia Wind Working Group Meeting

Contact Information:
Patrick Mann, Coordinator
Patrick.Mann@mail.wvu.edu

Canaan Valley Resort and Conference Center.
<p>8:30 a.m. - 3:00 p.m.
Agenda items will include updates on the various wind energy projects in the state as well as a discussion of the Alternative and Renewable Energy bill recently passed by the State Legislature.</p>

Please mark changes and additions in another color.
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Start Date: 10/27/2009 **End Date:** 10/30/2009 **City/State:** Madison, WI

Event:
Fundamentals of Wind Power Plant Design
<http://epdweb.engr.wisc.edu/Courses/Course.lasso?myCourseChoice=k854>

Contact Information:
Mitch Bradt, P.E., Program Director
[bradt@engr.wisc.edu?subject=Fundamentals of Wind Power Plant Design #K854](mailto:bradt@engr.wisc.edu?subject=Fundamentals%20of%20Wind%20Power%20Plant%20Design%20#K854)
608-262-2061

<h4>Topics</h4>
<p class="nobottom">Wind Energy Principles and Power Engineering Basics</p>

Energy in the Wind
Wind Site Assessment
Electric Power Generation and Control Fundamentals
Wind Turbine Basics
Wind Turbine Components
Wind Turbine Standards and Certification

<p class="nobottom">Wind Generation Machinery</p>

Synchronous Generators: A Review
Induction Generators
Doubly-Fed Induction Generator
Wind Turbine Control Systems

<p class="nobottom">Beyond the Turbine</p>

The Collector System
Monitoring, Control and Automation Solutions
Reactive Compensation
Interconnection of Wind Power Plants with Electric Grid

Start Date: 10/28/2009 **End Date:** 10/29/2009 **City/State:** Burlington, VT

Event:
Vermont Renewable Energy Show
<http://www.vermont.org/>
Sheraton Conference Center.

Contact Information:

Please mark changes and additions in another color.
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Start Date: 11/3/2009 **End Date:** 11/5/2009 **City/State:** Detroit, MI

Event:
Small and Community Wind Conference and Exhibition
<http://www.smallandcommunitywindexpo.org/>
Cobo Center .

<p>The American Wind Energy Association has created its first Small and Community Wind Conference & Exhibition to bring together industry leaders, new entrants, project developers, economic development groups, municipalities, land owners and other allied organizations to formulate and enact growth strategies for small and mid-sized wind applications. Focusing on important topics such as national renewable energy legislation, technology costs, zoning requirements, utility interconnection, tax revenues and investment opportunities, this conference offers valuable information on how best to capitalize on wind technology.</p>

Contact Information:
American Wind Energy Association
conference@awea.org
(202) 383-2512

Start Date: 11/9/2009 **End Date:** **City/State:** Custer, WI

Event:
Introduction to Wind Systems
<http://www.the-mrea.org/workshops.php?id=1198166388>

<p>9:00 a.m. - 5:00 p.m.
This one-day course is a prequel to Midwest Renewable Energy Association wind systems workshops and for people who have an interest in residential size wind systems for their home or business. This course will inform students as to what wind energy is, how it works and what it can do for you. Students in this course will learn the basics of wind energy. Topics will include: wind resources, basic system components, system types, turbine types, applications, and tower types.</p>

Contact Information:
Midwest Renewable Energy Association
info@the-mrea.org
715-592-6595

Start Date: 11/9/2009 **End Date:** 11/11/2009 **City/State:** Kearney, NE

Event:
Nebraska Wind Power Conference 2009

<p>The American Wind Energy Association is sponsoring this event. More details will be forthcoming. Please check AWEA's Web site for more information.</p>

Contact Information:

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Start Date: 11/10/2009 **End Date:** 11/13/2009 **City/State:** Custer, WI

Event:
Wind Site Assessor Training
<http://www.the-mrea.org/workshops.php?id=1048539106>

Contact Information:
Midwest Renewable Energy Association
info@the-mrea.org
715-592-6595

<p>This workshop will help participants learn how to evaluate a site's wind energy potential, determine wind speeds at proposed heights, make a load profile for a client's energy needs, determine appropriate tower heights and estimate kWh output for a system based upon wind resources. The Wind Site Assessor Training workshop will lead participants through the background information required to perform wind site assessments for the Focus on Energy program, other state incentive programs, and for the home or business owner to assess their site. This class will prepare students for the Wind Site Assessor Certification Test. Recommended for PV dealers interested in getting into the wind business, beginner wind dealers, educators, and homeowners.</p>

Start Date: 11/15/2009 **End Date:** 11/18/2009 **City/State:** Chicago, IL

Event:
NARUC 121st Annual Convention
<http://www.naruc.org/News/default.cfm?e=all>

Contact Information:

Start Date: 11/18/2009 **End Date:** 11/20/2009 **City/State:** Orlando, FL

Event:
AWEA Wind Energy Fall Symposium
<http://www.awea.org/events/>

Contact Information:
American Wind Energy Association
conference@awea.org
(202) 383-2512

<p>Every year the AWEA hosts the AWEA Wind Energy Fall Symposium bringing over 900 wind energy professionals together to gather the most current information in wind and make quality industry contacts. </p>

<p>The Wind Energy Fall Symposium provides the perfect opportunity to speak one-on-one with your prospective customers, current clients, and industry colleagues in a casual resort setting conducive for business. The symposium provides a unique educational program designed for wind energy professionals working in all facets of the industry looking to learn more about the overall wind business, policy and legislative affairs, and technical issues of the wind industry. </p>

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Start Date: 12/2/2009	End Date: 12/3/2009	City/State: Boston, MA	Event: AWEA Offshore Wind Project Workshop http://www.awea.org/events/ <p>Offshore wind energy is moving forward in the United States with new proposed projects, new market entrants, and new permitting rules under development. The American Wind Energy Association's Offshore Wind Power Workshop provides a national picture of the offshore wind energy market, rules of the road in various regions, technology considerations, and lessons from Europe. </p>	Contact Information: American Wind Energy Association conference@awea.org (202) 383-2512
Start Date: 12/3/2009	End Date:	City/State: Paynesville, MN	Event: Wind Energy Forum Hilltop Restaurant. <p>3:00 p.m. - 5:00 p.m. Landowners and community leaders who want to learn more about navigating the wind energy arena are invited to this special forum. The seminar will help participants understand general wind information, wind rights and development choices, how to secure an agreement with an energy company, a larger view of the issue, and get a sense of why wind energy is a unique opportunity.</p> <p>Attendees will also hear about the Rural Energy Development Initiative (REDI), a rural wind energy program offering technical assistance, training and loans to businesses, governments and landowners. </p> <p>The event is free.</p>	Contact Information: Don Hickman, Initiative Foundation dhickman@ifound.org 320-631-2043
Start Date: 12/8/2009	End Date: 12/10/2008	City/State: Las Vegas, NV	Event: POWER-GEN International http://www.power-gen.com/index.html	Contact Information:
Start Date: 12/9/2009	End Date:	City/State: Indianapolis, IN	Event: Indiana Wind Working Group Meeting http://www.in.gov/oed/2421.htm Indiana Government Center South Building, Conference Room B. <p>9:00 a.m. - 12:00 p.m. Directions</p>	Contact Information: Travis Murphy, Office of Energy and Defense Development tmurphy@oed.in.gov (317) 232-7578

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Start Date:	End Date:	City/State:	Event:	Contact Information:
1/20/2010	1/22/2010	Golden, CO	Wind Interconnection Workshop Western's Electric Power Training Center, 1667 Cole Boulevard, Building 19, Suite 152. <p>This two-day workshop (http://www.uwig.org/WindInterconnflyer2010.pdf)</p>PDF 717 KB Download Adobe Reader, with an optional tour of the National Wind Technology Center on Friday, Jan. 23, will answer your questions about interconnecting wind turbines and other distributed generation applications to electric distribution systems.</p> <p>Get an overview of wind energy, followed by an introduction to the Utility Wind Integration Group's Internet-based tools for assessing a distributed wind project's impact on the local distribution system. Training will cover the theory behind each tool and demonstrate their use with actual data.</p> <p>Also, the Western Area Power Administration's Electric Power Training Center instructors will be there to offer a tour of the center. Participants will have the opportunity to observe a demonstration of the Electric Power Training Center's hands-on miniature power system, including a Wind Farm Simulator developed in partnership with the National Renewable Energy Laboratory and the U.S. Department of Energy's Wind and Hydropower Technologies Program.</p>	Bob Putnam, CH2M Hill rputnam@ch2m.com 315-751-2638

Start Date:	End Date:	City/State:	Event:	Contact Information:
2/22/2010	2/25/2010	Washington, DC	American Public Power Association Legislative Rally http://www.appanet.org/events/calendar.cfm The Mayflower Hotel.	

Start Date:	End Date:	City/State:	Event:	Contact Information:
2/23/2010	2/25/2010	Austin, TX	Renewable Energy World North America Conference and Expo http://www.renewableenergyworld-events.com/index.html	

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Start Date:	End Date:	City/State:	Event:	Contact Information:
3/28/2010	3/31/2010	Omaha, NE	APPA Engineering and Operations Technical Conference http://www.appanet.org/events/index.cfm?ItemNumber=24339 Hilton Omaha Hotel. <p>The Engineering and Operations Technical Conference was founded to meet the unique needs of professionals charged with designing, developing, and maintaining the electric systems across the country. The conference benefits public power professionals working in the areas of transmission and distribution, environmental policy, generation, safety, SCADA, metering, security and system planning. </p>	American Public Power Association (202) 467-2900
4/19/2010	4/22/2010	New Orleans, LA	IEEE PES Transmission and Distribution Conference and Exposition http://www.ieeet-d.org/	Contact Information: