



CENTER FOR RENEWABLE ENERGY

Illinois State University

NEWSLETTER

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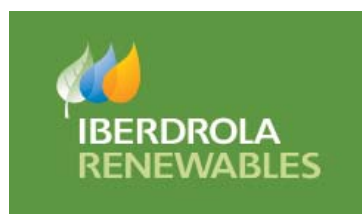
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Founding Members:



Iberdrola Renewables is a Founding Member

The Center for Renewable Energy is proud to announce Iberdrola Renewables has become a founding member of the Center for Renewable Energy. Iberdrola Renewables is the second-largest wind operator in the U.S., with operations in 20 states and an operating capacity of more than 3,600 MW.

More corporate partners are welcomed for the Center for Renewable Energy at Illinois State University, as founding members or sustaining members:

Founding Members will each receive recognition by the University on all Center materials, a paid intern from the renewable energy program annually for three years, and a seat on the Board of Advisors for three years. Founding Members will make a \$50,000 one-time donation to the Illinois State University Foundation.

Sustaining Members will each receive a paid intern from the program for one year and provide input into the research direction of the Center for that year. The organization will also receive a seat on the Board of Advisors for that year. Sustaining Members of the Center will make a \$10,000 annual donation to the Illinois State University Foundation.

Donations are tax-deductible less the value of the student internships. If you have any questions about becoming a Member, please contact Dr. David Loomis, Director of the Center for Renewable Energy, at (309) 438-7979 or email dloomis@ilstu.edu.

IWWG Building the Supply Chain Workshop

“Building the Wind Turbine Supply Chain: The Next Steps Workshop” was held July 13 at the Peoria Civic Center in Peoria, 8:30 a.m. to 5:30 p.m., sponsored by the **Illinois Department of Commerce and Economic Opportunity**, and hosted by the **Center for Renewable Energy** and **IMEC**. The workshop was designed to enable Illinois manufacturers to explore opportunities that exist in the wind turbine supply chain, evaluate their capabilities relative to customer requirements, develop their plan for penetrating the market, and make connections with representatives from wind turbine technology companies including **Steve Spethmann** of Suzlon Wind Energy Corp., **Perry Wozney** of Acciona Windpower North America, **Jason DeGroot** of Clipper Windpower, and **Brandon Hoeft** of Broadwind Energy.



IWWG Hosts Fourth Annual Advancing Wind Power Conference



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The Illinois Wind Working Group (IWWG) hosted the fourth annual **Advancing Wind Power in Illinois Conference**, July 14-15, 2010, at the Peoria Civic Center in Peoria, Illinois. This conference covered many aspects of wind energy, including large, community, and small wind.

Plenary speakers included **John Schnagl** of the Transmission Agency, U.S. Department of Energy, **Larry Flowers** of the National Renewable Energy Laboratory, **Jonathan Fiepel** of the Illinois Energy Office of the Illinois Department of Commerce, **Barry Matchett** of the Environmental Law and Policy Center, **Samantha Warren** from the Office of Congresswoman Debbie Halvorson (IL-11), and **Dr. David Loomis**, Director of the Center for Renewable Energy at Illinois State University.

Breakout seminars and panel sessions includes such topics as State Grant Programs, Wind Energy Policy in Illinois, Wind Farm Construction, Commercial and Community Wind, Community College Programs, Wind for Schools, How to Get a Job in Wind Energy, Transmission Plans, Wind Assessment and Forecasting, Net Metering, How Manufacturers Can Get Into the Supply Chain, the Indiana Bat, New Wind Energy Technology, Small Wind - How To, Large Wind - Economics, Development, and Finance as well as Siting, Zoning and Road Agreements.

Two optional bus tours were provided. One went to Horizon Wind Energy's Rail Splitter Wind Farm, the other visited the small wind turbine at Illinois State University.

PDFs of speaker presentations are available at www.RenewableEnergy.ilstu.edu.



The final plenary session panel included moderator **Jim Griffin** (Schain, Burney, Banks & Kenny), with speakers **Ben Hoen** (Lawrence Berkeley National Laboratories Subcontractor), **Jody Millar** (US Fish & Wildlife Service), **Dr. David Loomis** (Center for Renewable Energy at Illinois State University) and **Alyson Grady** (Illinois Energy Office of the IL Department of Commerce and Economic Opportunity).

Interns Enjoy the Learning Experience Onsite



Illinois State University's Renewable Energy students Jon Dove and Ryan Magill were photographed on top of a wind turbine. Both interns at Horizon Wind Energy, they were learning about quality checks of the tower, nacelle, gear box and blades.

American Solar Challenge in Town of Normal

A team of Illinois State University students drove a car 1,100 miles from Tulsa, Oklahoma to Naperville, Illinois, using only sunlight for fuel. The student-built, solar-powered vehicle, Mercury III, was an entry in the 2010 American Solar Challenge (ASC) race which included an overnight stop on the Illinois State campus. Vehicles entered in the race must be powered solely by sunshine, using photovoltaic cells to convert sunlight into electricity. Illinois State student teams have participated in solar-powered vehicle competitions since 2005.

The Center for Renewable Energy was featured among the exhibitors that lined the street in front of the Children's Discovery Museum on June 26th to cheer on the Illinois State University's "Team Mercury" and the other the solar car racers as they made their way through the Town of Normal.

Team Mercury also qualified for the Formula Sun Grand Prix (FSGP) and the ASC, covering the distance under the car's own power. The team also had the honor of having its car on display for several days at Chicago's Museum of Science and Industry.



STUDENT INTERNSHIPS

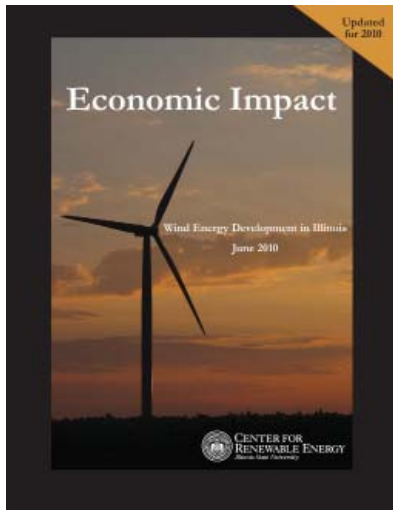
Would your company be interested in participating in our Internship Program during the summer or for a semester? An internship is a departmentally approved and supervised senior college level work experience in renewable energy. Paid experiences are encouraged, and a minimum of 45 hours of work experience must be satisfactorily completed by a qualified student for each one semester hour of university credit he/she expects to obtain. For more details, please contact Dr. Randy Winter, Associate Director of the Center for Renewable Energy, by phone 309-438-2521 or email rwinter@ilstu.edu.

COMMITTEE NEWS

Solar Conference - Oct. 29th

The Center for Renewable Energy at Illinois State University is working with Heartland Community College and Midwest Renewable Energy Association (MREA) to coordinate a new conference on Solar Energy. The conference will be held on October 29th, 8:30 a.m. to 4:00 p.m., at the Normal Theater, as part of the Illinois Energy Expo that Heartland is coordinating at the Marriott in Normal. Speaker panels will present on solar resource, technology, economics, marketplace, training capacity and partnerships. The link for details and to pre-register will be available soon on our website, RenewableEnergy.ilstu.edu.

New Reports Available on CRE Website



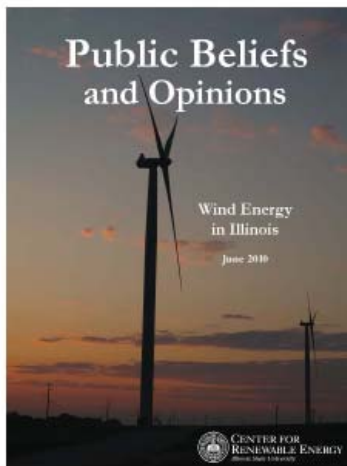
The Center for Renewable Energy released three new reports at the IWWG Advancing Wind Power in Illinois Annual Conference, and they are also available online as a PDF file for download at www.RenewableEnergy.ilstu.edu.

The Economic Impact Report of Wind Energy Development in Illinois by Dr. David Loomis and Jennifer Hinman presents an economic analysis of 1,847.76 MW of wind generating capacity in the state of Illinois. The report notes that wind development will generate a total economic benefit of \$3.2 billion over the life of the projects.

The Public Beliefs and Opinions of Wind Energy Development Report by Dr. David Loomis, Dr. J. Randy Winter, Dr. Aslihan D. Spaulding, and Sophie Theron concludes that more than 80% of the respondents support the development of wind farms in their community. Respondents agree that wind farms are good for the environment, for job creation, and for rural economic development.

The Illinois Wind Turbine Supply Chain Report by Dr. David Loomis, Dr. Lon Carlson, and Dr. James Payne, was written to quantify the potential economic impact of wind turbine supply chain development, to identify strategies other states are employing to expand production of components of the wind turbine supply chain., and to recommend policies and strategies Illinois should consider implementing to realize the full range of economic benefits that will accrue from developing wind energy in the state and elsewhere.

To access the reports on the Center for Renewable Energy website, please visit: www.RenewableEnergy.ilstu.edu. The images of each report are featured at the lower left corner there on our homepage. Simply click on the image or the title of each report and the PDF file will open online.



RESEARCH

Wind Energy Public Attitude Research
Winter/Theron

Impact of Wind Farms on Property Values
Loomis/Hinman

Economic Impact of Wind Turbine Supply Chain
Loomis/Carlson

An Assessment of the Renewable Energy Markets in Illinois
Loomis/Ohler

Optimal Wind Energy Portfolios in Illinois
Chupp

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