



CENTER FOR RENEWABLE ENERGY

Illinois State University

NEWSLETTER

SEPTEMBER 2009

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Founding Members:



IWWG Third Annual Wind Conference



On July 15 and 16, the Center for Renewable Energy hosted the Illinois Wind Working Group's Third Annual Wind Energy Conference at the Interstate Center in Bloomington, IL.

Over 440 people attended the two day event that featured **Larry Flowers** from the National Renewable Energy Laboratories, **Gary Nowakowski**

and **Michele Desautels** from the United States Department of Energy, and **Hans Detweiler** from the American Wind Energy Association.

Four concurrent sessions during the two days highlighted topics such as siting and zoning, economic development, wind for schools, environmental impacts and aerial application. Twenty-four exhibitors lined the hallways providing extra time for networking and information.



IWWG Supply Chain Workshop



As a pre-conference workshop, the **Center for Renewable Energy** along with **IMEC**, hosted a wind turbine supply chain workshop on July 14.

The day-long event featured speakers from the **Great Lakes Wind Network**, **Perry Woznay** from Acciona, and many suppliers that are already in the wind turbine supply chain. The Center is helping to coordinate another wind turbine supply chain on **October 22 at Spoon River College in Macomb, IL**. For more information, view the upcoming events list at www.renewableenergy.ilstu.

GRANTS

The Center for Renewable Energy has received the following grants:

Illinois Wind Energy Education and Outreach Project

U.S. Department of Energy, Award Number DE-FG36-06GO86091, 2006-2010, \$990,000

Renewable Energy Educational Lab Equipment

Illinois Clean Energy Community Foundation, February, 2008, \$232,600

Wind Turbine Supply Chain Study

Illinois Department of Commerce and Economic Opportunity, 2009, \$125,000

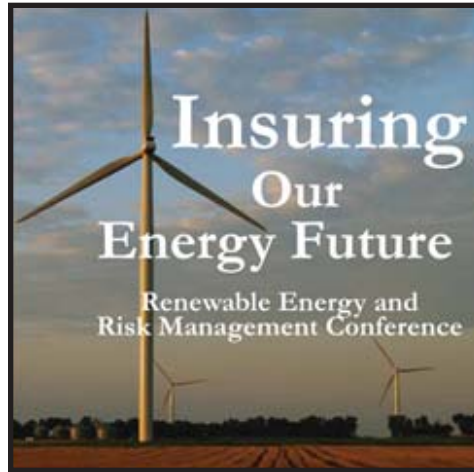
Illinois Wind Workers Group

U.S. Department of Energy, Award Number DE-EE0000507, 2009-2010, \$99,941

Green Industry Business Development Program

Illinois Department of Commerce and Economic Opportunity, 2009, \$245,000

Renewable Energy & Risk Management Conference



The Center for Renewable Energy and the Katie School of Insurance at Illinois State University are hosting “Insuring Our Energy Future Conference: Renewable Energy & Risk Management” on Friday, September 18, 2009 from 8:00 AM to 4:00 PM in the Brown Ballroom, of the Bone Student Center, at Illinois State University.

Renewable energy speakers include **Thomas Weirich**, American Council on Renewable Energy, **George Sturzinger**, Renewable Energy Policy Project and

Barry Matchett, Environmental Law and Policy Center. Risk management speakers include **Darren Small**, Chubb, **Ross Norstrom**, Mesirow Financial and **Rob Collecott**, Miller Insurance in London. For more information, view the upcoming events list at www.renewableenergy.ilstu.edu.

Economic Impact of Wind Energy in Illinois

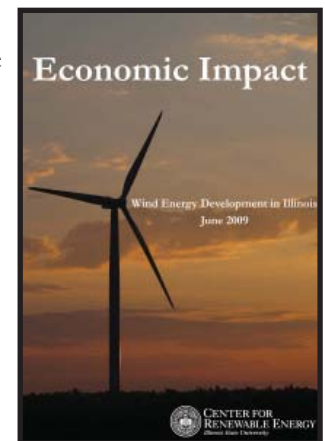
The wind energy industry in Illinois is projected to generate **\$1.9 billion in economic benefits** for the state over the next 25 years. That is the conclusion of a new economic impact study of wind energy development conducted by Illinois State University’s Center for Renewable Energy.

“Wind energy in Illinois not only provides clean, renewable energy for the state’s energy needs but also provides tremendous economic development benefits,” said David Loomis, director of the Center for Renewable Energy and an associate professor of economics at Illinois State.

The study examined the direct and indirect economic benefits, including jobs, tax revenues and payments to landowners, from the 17 major wind development projects online around the state. Those wind farms currently have the capacity to generate a total of 1,118 megawatts (MW) of electricity. Research for the study was funded by a grant from the **Illinois Department of Commerce and Economic Opportunity**.

The study found that the wind energy projects created 6,019 full-time equivalent jobs during construction periods with a total payroll of over \$306 million. They also support 292 permanent jobs in rural Illinois areas with a total annual payroll of over \$15 million.

Wind energy projects benefit local economies by generating \$11.4 million in annual property taxes and \$4.36 million per year in extra income for Illinois landowners who lease their land to wind farm developers. In total, wind energy will generate a \$1.9 billion economic benefit over the life of the projects.



Green Industry Development Grant

The Center for Renewable Energy is working with IMEC and the Shaw Group to help promote a new grant program being offered by the Illinois Department of Commerce and Economic Opportunity. This "Green Industry Business Development Grant" is targeted towards energy efficiency and renewable energy manufacturing facilities to locate or expand here in Illinois. The purpose of the Grant Program is to support the development or expansion of renewable energy and energy efficiency component manufacturers, producers of dedicated biomass crops, and the manufacturers of recycled content products.

The Program targets projects that develop and expand these manufacturing sectors and corresponding supply chains while improving the economy of the State through new business development. Proposed projects from private businesses are eligible for grants up to 50% of eligible project cost. Proposed projects from public and non-profit entities are also eligible for grants up to 50% of eligible project cost. The minimum grant award allowed is \$250,000, and the maximum grant award is \$5,000,000. This is a competitive solicitation for limited grant funds. Grant applications for the first round of funding are due October 26. The specific guidelines are posted on the website www.illinoisenergy.org under stimulus funding.

Become a Member of the Center

We are currently recruiting corporate partners for the Center. A **Sustaining Member** will 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.

Sustaining members will receive:

- Company recognition on all Center materials
- Paid Interns from the Renewable Energy Major
- First look at graduates from the Renewable Energy Major
- Networking opportunities at Center conferences/events
- Preview of all applied research performed by the Center

If you have any questions about becoming a Sustaining Member, please contact David Loomis, Director of the Center for Renewable Energy, at (309) 438-7979 or email dloomis@ilstu.edu.

www.RenewableEnergy.ilstu.edu

RESEARCH IN PROGRESS

**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

**Does Wind Cause
Wholesale Electricity
Prices to Fall in Illinois?**
Loomis/Hickey

EVENTS

September 18
**Insuring Our Energy
Future:** Renewable
Energy & Risk
Management Conference,
Normal, IL - 8:00 AM

October 7
Landowner's Forums,
Chicago, IL - 11:00 AM
Lemont, IL - 4:00 PM

October 22
Supply Chain Workshop,
Macomb, IL - 8:30 AM

Advisory Board for the Renewable Energy Major

Jeff Anthony
American Wind Energy Association

Bill Barbieri
Ameren Fuel Services Co.

Jeff Beckman
Aventine Renewable Energy

Mike Bergey
Bergey WindPower Company

Jor Borkowski
E.On Climate & Renewables

James C. Broach
State Farm Insurance

Roger Brown
BP Alternative Energy North America

Mark Burger
Kestrel Development Company

Matt Deal
California Public Utilities Commission

Hans Detweiler
American Wind Energy Association

John Dunlop
American Wind Energy Association

Scott Fenwick
Archer Daniels Midland Company

James Greenberger
Reed Smith, LLP

William Haas
Shaw Environmental & Infrastructure

Terry Harvill, Ph.D.
Juice Energy, Inc.

Helen Howes
Exelon Corporation

T. Jack Huggins
The Nature Conservancy

Matt Kauffman
Stewardship Energy

Mark Lambert
Illinois Corn Growers Association

Howard Learner
Environmental Law and Policy Center

Robert Leiberman
Illinois Commerce Commission

Michelle Montague
Suzlon Wind Energy Corporation

Gary Nowakowski
U.S. Department of Energy

Bruce & Joyce Papiech
GSG Wind

Alan Pfeifer
Sauk Valley Community College

Joe Philip
Spire Solar

Jeff Reeves
Corn Belt Energy

Rex Roehl
Indeck Energy Services

William Shay
Cover, Shay & Evans, LLP

Phil Stiles
Acciona Energy North America

Marty Vanags
Economic Development
Council of the Bloomington -
Normal Area

Bob & Sonia Vogl
Illinois Renewable Energy
Association

Andrew Weber
Iberdrola Renewables

Bill Whitlock
Horizon Wind Energy, LLC

CENTER STAFF

David G. Loomis, Ph.D.
Director, Center for
Renewable Energy and
Associate Professor,
Economics

Dave Kennell
Associate Director, Center for
Renewable Energy, and
Coordinator, Renewable Energy
Program

J. Randy Winter, Ph.D.
Associate Director, Center
for Renewable Energy and
Professor of Agricultural
Economics

Janet Niezgod
Coordinator, Center for
Renewable Energy

Pam Fuller
Office Manager, Center for
Renewable Energy

CONTACT:
Center for Renewable Energy
Illinois State University
Campus Box 5020
Normal, IL 61790-5020
309-438-7919
RenewableEnergy@ilstu.edu



At the dedication of the Center for Renewable Energy: **Dave Loomis** with founding members **James Broach** (State Farm Insurance), **Lionel Sweeny** (Suzlon Wind Energy Corporation), and **Bill Whitlock** (Horizon Wind Energy).