



# CENTER FOR RENEWABLE ENERGY

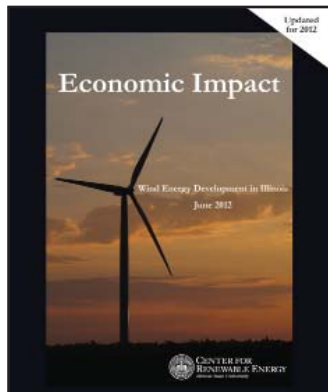
*Illinois State University*

NEWSLETTER

AUGUST 2012

## Economic Impact

The new Economic Impact of Wind Energy Development Report, June 2012, was unveiled last month. The 23 largest wind farms in the state have generated 19,047 jobs during construction and will add \$5.98 billion to local economies over the 25-year life of the projects. View the PDF of this report and more reports at [www.RenewableEnergy.ilstu.edu](http://www.RenewableEnergy.ilstu.edu), under Reports, right side, bottom.



## Founding Members:



If you would like to become a member of the Center for Renewable Energy, please contact Dr. David Loomis at 309-438-7979 or [dloomis@ilstu.edu](mailto:dloomis@ilstu.edu).

## IWWG Holds Advancing Wind Power in Illinois Conference

The Center administers the Illinois Wind Working Group (IWWG), affiliated with the U.S. Department of Energy's State Wind Working Groups. IWWG held their Sixth Annual Advancing Wind Power in Illinois Conference, July 17-18, in Normal, IL. A wide variety of wind energy topics were presented in plenary sessions, breakout seminars, and panel sessions. Speakers included:



- Matt Aldeman - *Center for Renewable Energy, ISU*
- Alisha Anker - *Prairie Power, Inc.*
- Charlie Ary - *Clean Line Energy Partners, LLC*
- Kevin Borgia - *Wind on the Wires*
- Katherine Ellis - *National Renewables Coop. Org.*
- Guenter Conzelmann - *Argonne National Laboratory*
- George Drosdowich - *Iberdrola Renewables*
- Larry Flowers - *American Wind Energy Assn.*
- Alyson Grady - *IL DCEO, IL Energy Office*
- Dr. Aaron Greco - *Argonne National Laboratory*
- Arlene Juracek - *Illinois Power Agency*
- Tony Kuykendall - *Performance Services*
- Tim Libson - *Trintek Energy*
- Randall Lloyd - *University of IL Extension (retired)*
- Dr. David Loomis - *Center for Renew. Energy, ISU*
- Barry Matchett - *Environmental Law & Policy Center*
- Rick Nelson - *U.S. Fish & Wildlife Service*
- Jonathan Nieuwsma - *CS2 Renewable Energy*
- Dr. Jerry Nolen - *Argonne National Laboratory*
- Craig Pals - *Tick Tock Energy*
- Bill Poole - *Stantec*
- Mark Pruitt - *The Power Bureau, LLC*
- Kris Ruud - *MISO*
- David Schweizer - *PJM Interconnection*
- Mohammad Shahidehpour - *IL Inst. of Technology*
- Keith Shank - *IL Dept. of Natural Resources*
- Beth Soholt - *Wind on the Wires*
- Mike Sponsler - *BHE Environmental*
- John Thompson - *IL Enterprize Zone Assn.*
- Eric Thumma - *Iberdrola Renewables*
- Michael Tyson - *Suzlon Wind Energy Corp.*
- Victor White - *Prairieview-Ogden Elem. Dist. 197*
- Jolene Willis - *Illinois Institute for Rural Affairs, WIU*
- Derek Woods - *MUTI*
- Dr. Zhi Zhou - *Argonne National Laboratory*

## GOLD SPONSORS:



## SILVER SPONSORS:



## EXHIBITORS:

- American Wind Energy Association
- Clean Line Energy Partners, LLC
- Cultural Resource Analysts, Inc.
- EDP Renewables North America
- Rev1 Renewables
- Seventh Generation Energy Systems
- Terracon Consultants
- Tetra Tech, Inc.
- WEST Environmental & Statistical Consultants

## KEMCO Attends Second Solar Energy Program



The Center provided another six-day training session on Solar Energy, this time for 10 participants of the Korean Energy Management Corporation (KEMCO) in July.

**Dr. Jin Jo**, Associate Director of the Center for Renewable Energy, and Assistant Professor of the Renewable Energy Program at Illinois State University, made the initial contact with KEMCO, and assisted with translation and field trips during the group's visit. The Solar Program was presented by **Dr. Jin Jo**, **Dr. David Loomis**, **David Kennell** and **Matt Aldeman**, of the Center for Renewable Energy, plus **Mark Burger** of the Illinois Solar Energy Association, and **Stephen Smith** of Solvida Energy Group.

Topics covered included U.S. Electricity Overview and Solar Energy Outlook, PV System Design, Basic Photovoltaics, Design Standardization, Cost Benefit Analysis, Case Studies, The Business of Solar, PV System Performance Models, and Large-scale PV system. The group also enjoyed the West Pullman Exelon City Solar Tour and Lecture, Streator Invenery PV Plant Tour and Lecture, and visiting Illinois State University's PV/Wind System at the Horticulture Center.

## Center Events Provide Great Opportunities for Networking



IWWG's Siting, Zoning and Taxing Conference in February provided the perfect networking opportunity for **Rock Wind** and **Parker Hannifin's** Hydraulic Accumulator Division. The businesses reside just a few miles apart in the Rockford area, but were unknown to each other prior to the event. Rock Wind provides remanufactured wind turbines, and Parker Hannifin is a global manufacturer of motion and control components and systems.

At the conference, Rock Wind had an exhibit booth manned by **Jerry Oreluk**, **Dick Johnson**, and **Chris Salamone**. **Chuck Taylor**, Project Engineering Manager for Parker attended the event to gain further understanding of the wind energy market's needs. Their conversation led to a number of mutually beneficial possibilities for both Rock Wind and Parker. Rock Wind, as a new start-up, was looking for local manufacturers and service organizations to get involved and provide products to support their 2-fold objective. Rock Wind was in process of rebuilding a Micon 250KW turbine for Eswood School in Lindenwood, IL. Parker's Accumulator Division was looking to partner with a turbine owner/operator to test some new products designed to improve gearbox life expectancy. Agreements were made for products and services in exchange for accessibility and data collection.

Rock Wind's Eswood Unit has been erected and is in the commissioning phase with an expected start in the fall of 2012.

## Landowner Questions Answered Online

Landowners with questions about wind farm development, landowner contracts, agricultural impacts, compensation, economic benefits, and other general wind-related questions can find answers in short presentations and/or transcripts on the Center's website at [www.RenewableEnergy.ilstu.edu/wind/LandownersForum.shtml](http://www.RenewableEnergy.ilstu.edu/wind/LandownersForum.shtml). The presentations are provided thanks to the efforts of members of the Landowner Forum Subcommittee of the Illinois Wind Working Group, including **Dr. David Loomis** (Center for Renewable Energy, Illinois State University), **William M. Shay** (Shay Law Group, Ltd.), **Stanley (Jay) Solomon** (University of Illinois Extension), and **Jolene Willis** (Illinois Institute for Rural Affairs, Western Illinois University).

## CENTER STAFF

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