



# CENTER FOR RENEWABLE ENERGY

*Illinois State University*

NEWSLETTER

OCTOBER 2011

## Upcoming Events:

IWWG Siting, Zoning, and Taxing of Wind Farms in Illinois Conference  
March 6, 2012  
8:00 AM to 5:00 PM  
Marriott Hotel & Conference Center in Normal, IL

Advanced Landowner's Forums "Wind Energy 201"  
Dates & Locations TBA

## 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).

## Wind for Schools Program Utilizes Weather Stations

The Illinois Wind for Schools pilot program is well underway. **Dr. David Loomis** and **Matt Aldeman** of the Center for Renewable Energy, **Dr. Anthony Lorsbach** of the College of Education, and **Jolene Willis** of the Illinois Institute for Rural Affairs at Western Illinois University, met with teachers from school districts in Cuba, Elmwood, and Ridgeview in August. The group discussed adding wind energy curriculum using materials provided by the National Energy Education Project (NEED) and model turbine kits from the KidWind Project.

By the end of September, Matt installed weather stations at each of the three schools. He will continue to serve as technical advisor while each school assesses its wind resources and then predicts the energy generation potential of a small wind turbine to be erected on school property.

The curriculum includes the application of math, biology, chemistry, and physics. With



*Matt Aldeman (Senior Energy Analyst, Center for Renewable Energy, Illinois State University) installs a weather station at the Elmwood School District. Photo by Jolene Willis (Wind Energy Program Coordinator, Illinois Institute for Rural Affairs, Western Illinois University).*

the addition of the weather stations, students are able to collect site-specific wind and weather data that can be integrated into classroom lessons and experiments.

The pilot program will soon be reviewed, and then a formal application process will begin for the 2012-2013 school year. Three to five school districts will be selected to participate in the next program.

The Illinois Department of Commerce and Economic Opportunity (DCEO) is funding the initial Illinois Wind for Schools program with a two-year grant. The Wind for Schools team is searching for sustainable funding for the program to continue after the grant ends.

If your company is interested in sponsoring a school district for this program, email [jniezgoda@ilstu.edu](mailto:jniezgoda@ilstu.edu).



*Renewable Energy student Rob Martin discusses a weather station receiver at the Cuba School District with Matt Aldeman. Photo by Jolene Willis.*

## KEMCO Attends Second Wind Energy Program



*Dr. David Loomis presents the U.S. Electricity Overview and Wind Energy Outlook as part of the first day of training for the second KEMCO Wind Energy Program at Illinois State University.*

The Center provided another six-day training session on Wind Energy in October, this time for 11 participants of the Korean Energy Management Corporation (KEMCO). This was the second group to travel from Korea to attend the Wind Energy program which included discussions on utility-sized wind farms and small wind turbines. A third group is expected to make the trip for a Solar Energy program in December.

**Dr. Jin Jo**, 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 Wind Program was presented by **Dr. David Loomis**, Director of the Center, and **Matt Aldeman**, Senior Energy Analyst.



*Reggie Redbird poses with Center faculty and the KEMCO Wind Program participants. Front Row: program participants Kwan Yong Lee, Seung Kap Lee, Byeong Soo Min, and Jin Soo Jung. Back Row: Matt Aldeman, Dr. David Loomis, and Dr. Jin Jo of the Center for Renewable Energy, and participants Young Dae Kim, Hyun Jee, Young Suk Kim, Tae Yoon Jeong, and Min Ho Choi. Additional participants not pictured: Dong Soo Kim and Jeong Woo Seo.*

Through lecture and site visits, participants explored policy and technical aspects of wind energy. Sessions focused on wind energy fundamentals, policy measures, effects of policy on wind farm economics, siting, transmission, operations, current technology, and future trends. Participants enjoyed field trips to the EDP Renewables regional office and 396 MW wind farm, the Chicago Center for Green Technology, and Illinois State University's meteorological tower for wind measurement and small turbine installation. Guest speakers included **Ken Little** of EDP Renewables and **Paul Aplington** of Invenenergy.

## SAVE THE DATE

The Illinois Wind Working Group will host the next **Siting, Zoning and Taxing of Wind Farms in Illinois Conference** on Tuesday, March 6th, at the Marriott Hotel & Conference Center in Normal.

Speaker panels will present on Best Practices of County Boards and Zoning Boards, County Ordinance Key Provisions and Tax Issues, Decommissioning, New Technology Impact on Health and Safety Issues, Center Research, plus a Wind Energy 101 Pre-Session. More details and online registration will be available soon on the Center website, [www.RenewableEnergy.ilstu.edu](http://www.RenewableEnergy.ilstu.edu).

## CENTER STAFF

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