



2009 Utility Wind Integration Group Fall Technical Workshop

October 7-9, 2009
Cedar Rapids, Iowa



Waverly Light & Power's Skeets 4 Facility, Photo Courtesy WL&P

A Hawkeye View of Wind Integration

Utilities across the US and Canada are adding significant amounts of wind generation to their power supply portfolios. Justifications for this include augmenting and diversifying their current generation portfolios, meeting state renewable energy mandates, or demand from the public for green power. Wind energy can provide competitive electricity for utilities, as well as a hedge against inflation in fuel costs and increasing environmental regulation.

In addition, implementing wind generation can increase the power planning flexibility of utilities.

Wind generation has achieved technical as well as commercial maturity in the power sector. Continued advances in wind turbine and turbine control technologies now enable wind plants to help in controlling system voltage and frequency. They operate safely and in harmony with other generation sources and land uses, but still face challenges in terms of system integration and interconnection. This workshop will explore utility perspectives on system integration and transmission system operation issues as well as other technical, policy, and market-related issues.

Event Description

The 2009 UWIG Fall Technical Workshop will provide attendees with an expanded perspective on the status of wind in utility systems in the United States and other countries. The agenda on wind integration, application, and operation on utility power systems, includes topics on forecasting applications, integration studies, distributed wind applications, industry updates, and a session and panel on electricity markets. This event will include meetings of the UWIG User Groups as well as a technical tour opportunity.

The gateway to Eastern Iowa, Cedar Rapids is the home of Clipper Turbine Works, the manufacturing site for Clipper Windpower's Liberty turbine. Iowa has become a dominant force in the wind industry. Ranking second in the nation in terms of installed capacity, the state boasts manufacturing facilities for Acciona and Siemens and is the home of MidAmerican Energy, one of the largest utility owners of wind power plants.

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Utility Wind Integration Group Fall Technical Workshop

October 7-9 2009, Cedar Rapids, Iowa

Please register for the meeting on-line at www.uwig.org or complete the form below.

Name _____

Title/Department _____

Organization _____

Address _____

City/State/Zip _____

Phone () _____ Fax () _____

Email Address _____

Registration with credit card payment is available online at www.uwig.org

Registration with payment by check - make check payable to UWIG and mail with this form.

I plan to attend the UWIG User Group Meetings (UWIG members and guests) (\$250)

I plan to attend the Fall Technical Workshop (\$495 for members).

I plan to attend the UWIG Fall Technical Workshop (\$795 for non members).

I plan to attend the Clipper Turbine Works tour on October 9 (\$100). Space on the tour is limited to 25 participants.

I have applied for a scholarship to attend this meeting

Total Payment Enclosed: _____

Utility Wind Integration Group
P.O. Box 2787, Reston, VA 20195

Events Schedule

UWIG User Group Meetings (UWIG members and guests only) – October 7, Cedar Rapids Marriott. Meetings cover

- Distributed Wind Applications
- Operating Impacts and Integration Studies
- Wind Plant Modeling and Interconnection
- Market Operation and Transmission Policy

The Distributed Wind Applications User Group meeting is open to APPA and NRECA member utilities.

The Wind Turbine Operations & Maintenance User Group Meeting will take place on October 6 at the Cedar Rapids Marriott and is open only to UWIG members who own or operate turbines.

Technical Workshop – October 8-9, Cedar Rapids Marriott. Topics include

- Wind Forecasting R&D Applications
- Regional Integration Study Updates & Methods
- Market Design and Operation
- Distributed Wind Applications
- Industry Updates

The workshop will also feature a panel on demand response, PHEVs, and energy storage in ancillary service and price-responsive load markets. A first time topic for UWIG, this panel represents the meeting of wind integration and the smart grid.

Please visit www.uwig.org for the agenda.

Clipper Turbine Works Plant Tour – October 9. This facility, located in Cedar Rapids, is Clipper Windpower's only manufacturing plant in the United States. This tour is available to individuals who are affiliated with utilities, system operators, developers, government employees, consultants, and university faculty/students, but not other turbine manufacturers. Registration for this tour is limited to the first 25 individuals and participants must be cleared by UWIG and Clipper management. Registration for this tour will close on September 25.

About UWIG

Focusing on the technical aspects of interconnecting, integrating, and operating wind generation on utility power systems, the Utility Wind Integration Group (UWIG) provides a forum for the critical analysis of wind technology for utility applications and serves as a source of credible information on the status of wind technology and deployment.

UWIG has over 150 members from the United States, Canada, Europe, and Australia, including investor-owned, public power, and rural electric cooperative utilities; transmission system operators; and associate member corporate, government, and academic organizations.

Accommodations

Attendees must make their own room reservations. A block of rooms will be held at this hotel:

Cedar Rapids Marriott
1200 Collins Road NE
Cedar Rapids, Iowa 52402
1-800-396-2153 or 1-319-393-6600

Please mention the reservation code Utility Wind Tech to receive the group rate of \$129 per night plus all applicable taxes. The group rate expires September 18, 2009.

Meeting Registration

On-line registration with credit card payment is available at www.uwig.org. Alternatively, you may send the registration form on the front with full payment to UWIG as indicated. After September 30, you will need to either register on-line or on-site.

A limited number of spaces for the technical workshop will be made available for university/college students to attend at no charge. Please contact UWIG for more information.

Financial support is available for cooperative and public power utilities that are members of NRECA or APPA to attend the Distributed Wind Applications Users Group meeting or the Fall Technical Workshop. The Public Renewables Partnership effort led by Western Area Power Administration is offering thirty \$500 travel scholarships to electric cooperatives and public power utilities to attend.

To qualify for the scholarship, individuals must meet the membership requirements, have never previously attended a UWIG meeting, and submitted a scholarship request and received a confirmation e-mail from Western. There is one scholarship per utility. To secure a scholarship, which can also be used to defray registration costs, please contact Randy Manion at 720-962-7423 or manion@wapa.gov.

Technical and Logistics Contact

Sandy Smith
UWIG Communications Coordinator
Phone: (865) 218-4600, ext. 6141
Fax: (865) 218-8999
E-mail: sandy@uwig.org

Cancellations and Refunds

All requests for refunds must be submitted to UWIG in writing. Refunds may not be processed until after the meeting.

- Requests received by September 30- receive refund less \$75 administrative fee
- Requests received by October 6- receive refund less \$200 administrative fee
- No refunds will be made for cancellations received after October 6 or for no-shows
- Registrants who have not paid by October 1 will need to make arrangements to pay in advance via credit card or have their registrations canceled

Credit for Attendance

1.2 Continuing Education Units will be awarded to attendees. More details will be available on site.