
Wind Energy Weekly

Vol. 26, #1256
7 September 2007

American Wind Energy Association

1101 14th Street NW, 12th FL
Washington, DC 20005, USA
Tel: (202) 383-2500
Fax: (202) 383-2505
email: windmail@AWEA.org
www.AWEA.org

AWEA Staff

Randall Swisher, *Executive Director*
Greg Wetstone, *Snr. Dir. of Gov. and Public Affairs*
Tom Gray, *Director of Communications*
Mary Childress, *Finance and Administration Director*
Rob Gramlich, *Policy Director*
Stephen Miner, *Conference & Education Director*
Jaime Steve, *Legislative Affairs Director*
Britt Theismann, *Membership Director*
Jeff Anthony, *Manager of Utility Programs and Policy*
Kathy Belyeu, *Manager of Industry Information Services*
Stefanie Brown, *Deputy Director, Exhibition & Meetings*
Marissa Bundy, *Conference & Education Assistant*
Tiffany Currie, *Senior Staff Accountant*
John Dunlop, *Senior Outreach Representative*
Sakura Emerine, *Conference Program Manager*
Mary Kate Francis, *Administrative Associate*
Amy Gaddis, *Membership Services Associate*
Laurie Jodziewicz, *Communications & Policy Specialist*
Carl Levesque, *Communications Editor*
Carlene McGriggs, *Receptionist*
Garrett Michael, *Staff Accountant*
Gina Miller, *Public Information Specialist*
Katie Miller, *Database & Systems Administrator*
Lisa Murphy, *Deputy Finance Director*
Elesha Peterson Carr, *Wkshp & Meetings Coordinator*
Bree Raum, *Manager of Grassroots Advocacy & WindPAC*
Christine Real de Azua, *Asst Dir. of Communications*
Lori Rugh, *Exhibitor, Sponsorship & Marketing Manager*
Liz Salerno, *Manager of Policy Analysis*
Aaron Severn, *Legislative Representative*
Susan Williams Sloan, *Communications Specialist*
Ron Stimmel, *Small Wind Advocate*
Michele Sullivan, *Assistant Director of Membership Services*
Mike Swinburne, *Conference Administrative Associate*
Wendy White, *Web & eCommerce Manager*
Mike Wiener, *Web & eCommerce Services Associate*
Monica Wolfe, *Conference Program Associate*
William York, *Staff Accountant*
Consultant: Ron Lehr, *Western Regional Representative*

Wind Energy Weekly editorial contact: Carl Levesque, email clevesque@awea.org Subscription rate: complimentary to AWEA business members or \$595 per year. To order subscription or for advertising rates, contact AWEA at (202) 383-2500. Send address changes to kkohlerlein@awea.org.

The WIND ENERGY WEEKLY is published weekly, 49 times per year.
© Copyright 2004 American Wind Energy Association. All rights reserved. No portion of the AWEA materials posted on or hypertext-linked to this Web site may be reproduced, in whole or in part, for commercial purposes, including but not limited to promoting any third-party product or service, without AWEA's prior written consent.

IN THIS ISSUE

Clipper, Hemeretik combine development assets

In a deal that will result in a pipeline of over 10,500 MW in wind development assets worldwide, wind developer and turbine manufacturer Clipper Windpower Plc inked an agreement with Spanish construction and real estate company Hemeretik to combine the renewable energy assets held by two of their wholly owned subsidiaries.

National Wind partners for 300-MW community wind project

National Wind, LLC entered into a partnership with local land owners to form and capitalize High Country Energy, LLC, which will develop a 300-MW community wind project.

Airtricity, Shell subsidiary enter hedging arrangement

Airtricity, Inc. executed a multi-year hedge agreement for its 126.5-MW Champion Wind Farm with Royal Dutch Shell subsidiary Coral Energy Holding, L.P., that will provide Champion a hedge against declines in electricity prices and facilitate bank financing of the project while allowing it to earn more if electricity prices increase.

Austin Energy buying more wind power

Taking another step toward its goal of 30% renewables by 2020, Austin Energy plans to add 225 MW of wind power by the end of 2008, said spokesman Ed Clark.

WindLogics Expands St. Paul Headquarters, continues adding staff

Reflecting the wind energy industry's growth, WindLogics tripled its corporate headquarters space by moving to expanded facilities in St. Paul's historic Bandana Square, the company announced September 4.

DeWind D8.2 demonstration site to be in Sweetwater

Composite Technology Corp. subsidiary DeWind Inc., in association with Texas State Technical College (TSTC), signed a memorandum of intent with the city of Sweetwater to establish a wind turbine demonstration site that will include a 2-MW DeWind D8.2 prototype turbine, CTC announced September 4.

3TIER secures \$2 million in second round financing from Good Energies

In another showing of wind resource and forecasting's growth, 3TIER received \$2 million in second-round financing from renewable energy investor Good Energies as part of a multi-million dollar round of equity funding that 3TIER intends to complete by the end of 2007.

Solicitation: renewable energy certificates sought

Continuing its ongoing efforts to purchase more renewable energy, the U.S. Defense Energy Support Center issued a solicitation on August 31 seeking renewable energy certificates (RECs) for ultimate transfer to the Environmental Protection Agency and the Bureau of Indian Affairs.

AWEA News and Advertisements

AWEA Calendar of Events

**CLIPPER, HEMERETIK
FORM WIND DEVELOPMENT ENTITY**

In a deal that will result in a pipeline of over 10,500 MW in wind development assets worldwide, wind developer and turbine manufacturer Clipper Windpower Plc inked an agreement with Spanish construction and real estate company Hemeretik to combine the renewable energy assets held by two of their wholly owned subsidiaries.

The new entity, which is the result of the combination of Clipper subsidiary Clipper Windpower Development and Hemeretik subsidiary Helium, will be known as Clipper Capital and Generation (CAPGEN). CAPGEN initially will be 72% owned by Clipper and 28% by Hemeretik. CAPGEN will operate a global renewable energy development business with a pipeline in excess of 10,500 MW in wind development assets, ranging from early stage prospects to mature projects.

The new entity's portfolio is located predominately in the U.S. Hemeretik is contributing assets located in Spain, other European countries, and Latin America. CAPGEN will benefit from a long-term supply agreement for Clipper's Liberty turbines and subsequent technology introductions as it develops, finances, builds, owns, and operates wind energy projects globally, Clipper said. Completion of the transaction, which is subject to regulatory approvals, is expected in the fourth quarter of 2007.

The new company will be managed by an experienced international development team led by Pedro Barriuso, who has led Helium's development for the past year and was previously the head of Iberdrola Renewables from 2002 to 2006.

"CAPGEN will be a premier international platform in the wind industry," said Barriuso, CEO of Helium. "The combined asset base and management team create powerful opportunities for growth. I am looking forward to managing CAPGEN and unlocking the value of one of the largest independently owned wind development portfolios in the world. I am also looking forward to developing projects with Clipper's Liberty turbine technology, which is one of the best and most advanced in the industry."

"This transaction will achieve our stated goal of accelerating project development and gaining maximum value from our development portfolio," said James G.P. Dehlsen, chairman and CEO of Clipper Windpower. "CAPGEN will be managed by one of the strongest teams in the industry, with unequalled experience developing wind projects around the world. The presence of an experienced, globally dedicated management team and existing European assets will significantly speed the entry for Clipper turbines in the established and growing European market."

**300-MW COMMUNITY WIND PROJECT
ANNOUNCED FOR MINNESOTA**

A community wind project with a capacity of 300 MW is getting off the ground in Minnesota.

National Wind, LLC entered into a partnership with local land owners to form and capitalize High Country Energy, LLC, which will develop the project, to be known as High Country Wind Energy Park. National Wind will manage the development and construction of the facility, which will be located in Dodge and Olmstead counties. Landowners who formed the partnership along with National Wind include Bryant Hokeness, Dan Hoffman, Eric Lee, Ken Binkley, Kevin Green, and Larry Larson.

With the project still in the early stages, it has yet to be determined who will purchase the output from the facility. “We are in negotiations [with utilities] at this time,” National Wind Director of Communications Erin Edholm told *Wind Energy Weekly*, adding that the purchaser would likely be “a Midwest-based utility.”

The project, which will consist of up to 200 turbines depending on their size and configuration, is expected to come online in three or four phases over the next five years, beginning in 2009. The project is expected to qualify for “Community-Based Energy Development” (C-BED) status under state law, meaning it is owned by Minnesota residents and that at least 51% of the profits are returned to Minnesota community members. Minnesota’s New Generation Energy Act of 2007 requires utilities to commit to allocating space on the grid for 1,200 MW of C-BED projects by 2025.

“We are grateful to the community for their strong local support of this project and to the local landowners who have decided to partner with us,” said Pat Pelstring, co-founder and chairperson of National Wind. “This is a ground-breaking community-owned project because it compares in size to some of the nation’s largest utility projects. This allows the project to take advantage of economies of scale not normally available to community-owned projects. It is owned by the local community with significant financial returns for the local community.”

**AIRTRICITY, SHELL SUBSIDIARY
ENTER HEDGING AGREEMENT FOR TEXAS WIND FACILITY**

Airtricity, Inc. executed a multi-year hedge agreement for its 126.5-MW Champion Wind Farm with Royal Dutch Shell subsidiary Coral Energy Holding, L.P., that will provide Champion a hedge against declines in electricity prices and facilitate bank financing of the project while allowing it to earn more if electricity prices increase.

Champion is the second phase of the larger Roscoe project complex and is situated on approximately 14,000 acres of agricultural land 40 miles west of Abilene, Texas. The project, slated for completion by early 2008, will consist of 55 Siemens turbines, which will annually

produce enough electricity to power 35,000 homes and save approximately 225,000 tons per year in greenhouse gas emissions, Airtricity said. At the peak of construction of the Champion and adjacent Roscoe project, more than 500 people will be employed.

Hedging arrangements continue to be secured within the wind energy industry. In August Fortis Merchant and Private Banking announced that it had signed a 1.1 million MWh, 10-year financial fixed price power purchase agreement with Snyder Wind Farm, LLC, a subsidiary of Enel North America, Inc. (see *Wind Energy Weekly* [#1253](#).) The Snyder facility also is in Texas.

“Airtricity is playing a leading role in helping Texas and America meet its fast-growing energy needs,” said Airtricity North America CEO Declan Flanagan. “We are particularly excited about the structure of this deal, and we are delighted to have done a deal with a company the caliber of Shell. By retaining control of the Champion output, we have the opportunity to target a wider range of customers for both power and renewable energy credits. This is consistent with our ongoing strategy to diversify and expand our customer base while enabling us to capture value from increases in electricity prices while protecting against downside risk.”

AUSTIN ENERGY
ADDING ANOTHER 225 MW OF WIND POWER

Taking another step toward its goal of 30% renewables by 2020, Austin Energy plans to add 225 MW of wind power by the end of 2008, said Spokesman Ed Clark.

Austin Energy will purchase all of the wind power produced by two new Texas wind farms owned by Renewable Energy Systems: the 60-MW Whirlwind Energy Center, which is set to be completed by the end of the year, and the 165-MW Hackberry Wind Project, which is expected to be completed by the end of 2008. Initially, Austin Energy had set a goal of 20% renewables by 2020, but the municipal utility subsequently raised the bar to 30%.

Part of the wind energy will go toward the effort to power all city facilities with renewables by the end of 2008, a goal that is part of the city’s Climate Protection Plan approved earlier this year. The remainder of the output coming from the two wind facilities will become available under Austin Energy’s popular GreenChoice program.

The additional wind power allotted to GreenChoice, which is the most successful green power purchasing program in the U.S. with 665 million kWh (annual) in subscriptions, is good news for would-be subscribers. Fully booked, the program has not been able to accept new subscribers for some time.

Prior reports suggested that the new subscriptions associated with the additional wind energy would become available in early 2008, but that is not necessarily the case. “We have not made a final decision on when we will accept subscriptions,” spokesman Ed Clark told *Wind Energy Weekly*.

WIND RESOURCE FIRM MOVES FOR MORE GROWTH

Reflecting the wind energy industry's growth, WindLogics tripled its corporate headquarters space by moving to expanded facilities in St. Paul's historic Bandana Square, the company announced September 4.

The facility includes a new operations center for round-the-clock management and forecasting. Growth also continues at the company's research center in Grand Rapids, Minn., the company said.

"The past year has been a period of exceptional activity within the wind industry, and we are pleased to be part of this phenomenal growth," said CEO Mark Ahlstrom. "Our growth strategy is designed to meet current industry needs and develop new services for the future. Wind energy is now a mainstream part of the energy business, and this requires engineering services based on deep understanding of both the weather and how wind projects react to it in the real world."

According to Ahlstrom, the company's growth spans the company's core offering of wind resource assessments, financial due diligence, and forecasting. He further noted the growing need for better ways to analyze operating wind projects and separate wind resource variability from other operational issues. "We must feed this knowledge back to improved assessment techniques and financial projections, as well as provide alternative ways of dealing with wind variability risk," said Ahlstrom. "Getting people interested in wind is now easy—but what matters is getting wind power plants online, performing as expected, and contributing to our future electrical power needs in a clean and cost-effective way."

Speaking to *Wind Energy Weekly*, Ahlstrom underscored the importance of resource assessment as the industry grows and more facilities with larger capacities are sited and integrated onto the grid. "The growth of the wind industry is multiplied by increased appreciation for the value of more advanced methods," he said. "With the scale of today's projects, we are beyond the point where coarse wind maps and simple correlation methods are sufficient. More comprehensive methods and data sets have proven their value."

The field of wind resource and forecasting appears to be experiencing increased activity of late: 3TIER, which also does resource and forecasting work, announced a deal for additional financing (see related story below).

DEWIND TO DEMO D8.2 IN TEXAS, OFFER STUDENTS LEARNING OPPORTUNITY

Composite Technology Corp. subsidiary DeWind Inc., in association with Texas State Technical College (TSTC), signed a memorandum of intent with the city of Sweetwater to

establish a wind turbine demonstration site that will include a 2-MW DeWind D8.2 prototype turbine, CTC announced September 4.

DeWind will install the turbine on city-owned land this fall, and further development and prototype turbines will be installed at the site over the next five years. “This is an excellent opportunity to establish our U.S. Wind Turbine Demonstration Site,” said Benton Wilcoxon, chairman and CEO of CTC. “We currently have a similar site in Cuxhaven, Germany. We are pleased to be involved with the city of Sweetwater and TSTC and look forward to the first American installation of our advanced DeWind D8.2 wind turbine.”

Whereas the demonstration site in Germany utilizes 50-Hertz turbines, the Sweetwater site will utilize the 60-Hertz (Hz) units intended for the North American market. The establishment of the Sweetwater site serves dual purposes, said James Carswell, vice president of investor relations, speaking to *Wind Energy Weekly*. “It gives [students] an opportunity to be educated within the wind industry, and [the D8.2, 60-Hz turbine] will also be put through its paces,” he said. Carswell also said to expect announcements concerning the first U.S. sales of the D8.2 turbine in the very near future.

“With DeWind manufacturing in Texas, the advanced blade test facility recently awarded to Corpus Christi, and now DeWind’s establishment of a Wind Turbine Demonstration Site with Texas State Technical College, we believe this establishes Texas and Sweetwater as the leader in wind energy research and development along with wind power generation already present in Nolan County,” said Sweetwater Mayor Greg Wortham.

**3TIER SECURES \$2 MILLION
IN SECOND ROUND FINANCING FROM GOOD ENERGIES**

In another showing of wind resource and forecasting’s growth, 3TIER received \$2 million in second-round financing from renewable energy investor Good Energies as part of a multi-million dollar round of equity funding that 3TIER intends to complete by the end of 2007.

“We are pleased to announce this major financing round with such a premier investor like Good Energies,” said 3TIER CEO Kenneth Westrick. “The investment validates the commercial opportunities addressed by 3TIER’s suite of services and underscores the strength of the management team we have built. The investment from Good Energies will help us aggressively grow 3TIER by continuing to provide our customers with the best information available for renewable energy projects worldwide.”

3TIER recently launched Firstlook wind assessment, a Web-based wind resource and power assessment tool. Firstlook, the company said, complements 3TIER’s other services, including Fullview assessment, a bankable report used primarily during a project’s development phase and Powersight forecasting, a service used during project operations.

“Good Energies’ investment in 3TIER is consistent with our philosophy of investing in innovative renewable industry-focused companies with outstanding growth potential,” said Richard Kauffman, Good Energies CEO. “3TIER has created the first mover advantage in the online feasibility market with Firstlook’s successful launch. We see its potential to transform the

entire energy space by delivering on-demand information on the web and accelerating the change to using more renewable energies globally.”

The 3TIER financing news combined with another announcement to highlight increased activity in the wind resource and forecasting space. WindLogics announced September 4 it is moving its headquarters so that it can triple its available space (see related story).

**SOLICITATION: RENEWABLE ENERGY
CERTIFICATES SOUGHT**

Continuing its ongoing efforts to purchase more renewable energy, the U.S. Defense Energy Support Center issued a solicitation on August 31 seeking renewable energy certificates (RECs) for ultimate transfer to the Environmental Protection Agency and the Bureau of Indian Affairs. The contract is anticipated to be for a one-time delivery or a 12-month delivery period for a total of 353,200 MWh of RECs. Delivery periods and requirements vary by each individual customer.

Offers are due no later than 10:00 a.m. Eastern on September 17, 2007. For more information, go to <http://www.desc.dla.mil/DCM/DCMSolic.asp?SolicID=1260>.

(Announcement)
**REGISTRATION NOW OPEN FOR
AWEA WIND ENERGY FALL SYMPOSIUM 2007**

Register today for the AWEA Wind Energy Fall Symposium 2007 taking place November 1 – 2, 2007 at La Costa Resort & Spa in Carlsbad, California.

Register Now: <http://www.awea.org/events/symposium07/registration.html>

This year’s conference theme is **The Wind Power Imperative: Securing America’s Economic, Environmental, & Energy Future.**

The AWEA Fall Symposium will provide a unique educational program designed for wind energy professionals involved in, or looking to learn more about, the business, policy and technical issues of the wind industry. The Symposium will also provide outstanding business interaction and networking opportunities, all at a luxury resort located just north of San Diego, California.

This year’s program will focus on wind power’s critical role in securing America’s economic, environmental and energy future. Each session will discuss challenges facing the wind industry and initiatives required to position wind power to be able to maximize its contribution to U.S. energy security.

The Symposium is designed to bring together wind energy professionals in all facets of the industry. For those new to the wind industry, a pre-conference seminar will be held on Wednesday afternoon, offering a comprehensive tutorial on the fundamentals of utility-scale wind energy. This tutorial is a perfect primer for the more detailed topics to be covered during the remainder of the Symposium. On Thursday and Friday, the Symposium program will include in-depth presentations and interactive discussions on the most important issues facing the wind industry, providing something for every interest.

Program Chair: Tom Weis, Environmental Advisor to enXco / President, Wind Power Solutions

Session Topics to Include:

- Addressing the Supply Chain & Creating a Domestic Manufacturing Base
- Transmission Interconnection Queues – Getting Through the Thicket
- New Trends in Wind Energy Financing
- Technology Development – Help is on the Way
- Wind Energy’s Climate Contribution
- Security America’s Energy Independence
- Models for Success - Wind Developers & Utilities
- Community Outreach – Making the Case for Local Acceptance
- Asset Management – Doing Things Right
- Addressing Wildlife Issues
- Resource Assessment – The Answer is Blowing in the Wind

Special Activities: In addition to the Symposium sessions, there are numerous special activities associated with the AWEA Wind Energy Fall Symposium.

- Networking Lunches & Receptions
- Introduction to Wind Energy Pre-Conference Seminar
- Golf Tournament
- Guest Passes
- AWEA Board of Directors and Committee Meetings

For more information about the AWEA Wind Energy Fall Symposium 2007 including details about the special activities, registration prices, hotel reservations and travel information, visit <http://www.awea.org/events/symposium07> .

(Announcement)

**1 WEEK REMAINS – STILL TIME TO REGISTER FOR THE
AWEA WIND RESOURCE & PROJECT ENERGY ASSESSMENT WORKSHOP**

There is still time to register for the AWEA Wind Resource & Project Energy Assessment Workshop taking place September 18 – 19, 2007 in Portland, Oregon.

Register Now: <http://www.awea.org/events/wra2007/registration.html>

If you have not already signed up for the optional Introduction to Wind Energy pre-conference seminar taking place on Monday, September 17 from 1:00 – 5:00 pm, you can add it

to your existing registration by contacting Marissa Bundy at conference@awea.org or (202) 383-2512. To add the pre-conference seminar to your workshop registration, the additional fee is only \$100 per person.

The American Wind Energy Association (AWEA) presents its second annual 2-day workshop on Wind Resource and Project Energy Assessment. Where the first workshop focused on current practices in the industry, this year's workshop will focus on how well current practices work, reducing bias and uncertainty in energy estimates and emerging tools in the field. Suitable for the novice and expert alike, the workshop will strive to explore these topics in detail, with case studies and in depth discussions of the issues.

Program Chair: Robert Z. Poore, President, Global Energy Concepts, LLC

For more information on the workshop including a detailed program agenda and speaker list, visit <http://www.awea.org/events/wra2007> .

UPCOMING AWEA EVENTS

AWEA Wind Resource & Project Energy Assessment Workshop

September 18 – 19, 2007
Portland, Ore.

AWEA Wind Power Finance & Investment Workshop

October 10 – 11, 2007
New York, N.Y.

AWEA Wind Energy Fall Symposium

November 1 – 2, 2007
Carlsbad, Calif.

AWEA Wind Power Asset Management Workshop

January 17 – 18, 2008
San Diego, CA

AWEA Wind Project Siting Workshop

February 14 – 15, 2008
Austin, TX

AWEA and CanWEA Wind & Transmission Workshop

March 18 – 19, 2008
Detroit, MI

WINDPOWER 2008 Conference & Exhibition

June 1 – 4, 2008
Houston, Texas
www.windpowerexpo.org

For more information visit www.awea.org/events .