
Wind Energy Weekly

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Horizon Wind Energy has signed a contract for 400 MW of wind turbine capacity with Suzlon Wind Energy Corp., the U.S.-based subsidiary of Suzlon Energy A/S of Denmark.

Knight & Carver sending blades to AES facility

Knight & Carver Wind Group has reached agreement with wind developer AES Wind Generation to manufacture a total of 60 wind blades for that company's wind power facility in Storm Lake, Iowa.

Pacific Power announces new project in Washington

PacifiCorp subsidiary Pacific Power announced on October 9 a new 70.2-MW wind project near its recently completed Marengo facility in the hills near Dayton, Wash.

Bonneville Power enters PPA with PPM

The Bonneville Power Administration (BPA) inked a new 20-year agreement to purchase 50 MW of capacity from PPM Energy's 221-MW Klondike Wind Power III project near Wasco, Ore.

RFP: North Carolina co-op seeks renewables

North Carolina Electric Membership Corp. (NCEMC), a generation and transmission electric cooperative, issued a request for proposals (RFP) on October 5 for renewable energy resources.

New Jersey utilities board to grant offshore funds

The New Jersey Board of Public Utilities (NJBPUB) approved up to \$19 million in funding for a competitive grant solicitation to support the financing and development of an offshore wind pilot.

Clipper establishes 'Centre of Excellence' for offshore

Clipper Windpower, Plc, announced that it has established a Centre of Excellence for Offshore Wind in Blyth, U.K., to develop a 7.5-MW turbine for offshore use.

National Wind acquires resource assessment firm

Community wind developer National Wind, LLC, acquired wind resource assessment and energy analysis firm Romuld Wind Consulting, LLC.

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**HORIZON WIND ENERGY ENTERS
400-MW DEAL FOR SUZLON TURBINES**

Horizon Wind Energy has signed a contract for 400 MW of wind turbine capacity with Suzlon Wind Energy Corp., the U.S.-based subsidiary of Suzlon Energy A/S of Denmark.

The contract calls for delivery of 200 MW of turbine capacity in 2008 and another 200 MW of capacity in 2009. Suzlon's S88 2.1-MW wind turbine is the featured machine of the agreement; the units will be delivered to various ready-to-build sites in Horizon's large project pipeline.

The turbine agreement includes the supply of 95 units in 2008 and 95 units in 2009. Suzlon is also contracted for operations, maintenance and service of the wind turbines for two years and an option for five, and will do so by expanding its service territory with new facilities to meet demand.

Horizon was recently acquired by Portuguese utility Energias de Portugal, S.A. (EDP). "[T]his agreement will further strengthen EDP's capacity to accomplish the ambitious plan established for the coming years," said EDP Executive President António Mexia, adding that the company's turbine needs will be "practically satisfied until the end of 2009."

Horizon will need every turbine it can get, apparently. The company is currently developing a portfolio of more than 9,000 MW in a dozen states and expects to bring nearly 1,000 MW online by the end of 2007.

**KNIGHT & CARVER SENDING REPLACEMENT BLADES
TO AES WIND FACILITY, EYING GROWTH**

Knight & Carver Wind Group has reached agreement with wind developer AES Wind Generation to manufacture a total of 60 wind blades for that company's wind power facility in Storm Lake, Iowa.

The 25-meter units, which will replace Zond 750 blades, will be built at Knight & Carver's recently opened facility in Howard, S.D. Blade design and pre-production is set to begin immediately, with initial deliveries slated for January.

"This marks the beginning of what we believe will be a long-lasting relationship between our two companies," said Kanaby. "We look forward to fulfilling the first phase of this agreement."

Knight & Carver's extended manufacturing presence—the South Dakota facility opened earlier this year—is already bearing fruit: the AES wind farm in Storm Lake, Iowa is located about 250 miles from Knight & Carver's South Dakota plant. Speaking to *Wind Energy Weekly*, Kanaby said that capacity at the South Dakota plant is now booked until July, and the company's

San Diego plant, which manufactures 9-meter blades, has orders that will keep it busy until March. With approximately 100 service technicians now on its payroll across the country, the company continues to examine expansion opportunities both in manufacturing and service. Kanaby said that he continues to look for sites, particularly in Texas and Canada. “We’re looking at both of those opportunities seriously,” he said, noting that nothing has been finalized.

The company has a niche of producing replacement blades, but it is interested in producing blades for new turbines as well, particularly with its soon-to-be released “Star” blade, which is expected to be 5%-8% more efficient than its standard blade. “We do have some interest already [from turbine manufacturers],” said Kanaby.

As for the blades being deployed at Storm Lake, Kanaby said they will have the added benefit of producing 10% more power compared to the older blades they are replacing.

**PACIFICORP TO BUILD SECOND MARENGO WIND FACILITY;
MORE ANNOUNCEMENTS COMING**

PacifiCorp subsidiary Pacific Power announced on October 9 a new 70.2-MW wind project near its recently completed Marengo facility in the hills near Dayton, Wash.

Construction on the Marengo II project will begin this month. Like Marengo I, it was developed by RES America Developments, Inc., and will be constructed under contract by RES America Construction, Inc. Marengo II is scheduled to begin commercial operation in June 2008, and will use 39 Vestas 1.8-MW turbines. With completion of the 140.4-MW Marengo I project in August, the company now owns and operates more wind generation than any other electric utility in the Pacific Northwest, the company said.

The company also said it continues to actively seek additional renewable resource options, with more announcements expected in coming months.

“We’re pleased that Pacific Power is investing in new, clean energy sources in Washington,” said Governor Christine Gregoire (D). “Resources like Marengo I and Marengo II can benefit our economy and our environment and highlight the role renewable energy can play in meeting the future needs of our region.”

Marengo I is the second wind project completed by PacifiCorp in less than a year. In September 2006, the company brought the 100.5-MW Leaning Juniper 1 wind project near Arlington, Ore., into commercial operation. Besides Marengo II, PacifiCorp also recently announced plans to build two new wind projects in Wyoming.

“Constructing another project near our existing Marengo facility allows us to cost-effectively provide even more of the clean, renewable energy our customers are asking for and to meet the new renewable portfolio standards established in Washington and Oregon,” said Pat Reiten, president of Pacific Power. “The future of wind power in the region is very strong, and we are proud to be a leader in its development. We are thrilled that Dayton and the surrounding communities have been so supportive of our plans.”

With renewable portfolio standards now mandated by Oregon, Washington, and California, and the possibility of federal standards in the future, planning is underway at Pacific Power to determine how best to meet those standards once all the compliance rules are completed, the company said.

“We know renewable resources will continue to be an important part of the diversified generating portfolio that will serve our customers now and into the future,” Reiten said. “We’ve made that commitment, and we’re following through.”

The Marengo II project is located on approximately 4,300 acres of agricultural land in Columbia County, though the actual project footprint is quite small, enabling the vast majority of the land to continue to be used for agricultural purposes. PacifiCorp is putting more than \$100 million into the project, an investment that will have a beneficial impact on the county’s tax base; moreover, landowners will receive lease payments over the life of the facility.

“We are thrilled to have these projects in our area,” said Jennie Dickinson, manager of the Port of Columbia. “Rural, agricultural communities like Dayton have to diversify their economies to survive. These projects provide living-wage jobs for our residents, bring much-needed new revenue to our businesses and governments, and allow our agricultural way of life not only to continue but to thrive. We couldn’t ask for a better fit for our community.”

**BONNEVILLE POWER ENTERS 20-YEAR,
50-MW PPA WITH PPM FOR KLONDIKE WIND ENERGY**

The Bonneville Power Administration (BPA) inked a new 20-year agreement to purchase 50 MW of capacity from PPM Energy's 221-MW Klondike Wind Power III project near Wasco, Ore.

The purchase, which BPA called “cost competitive” in its news release, will help the agency ensure it has an adequate power supply to meet customer needs in the years ahead, BPA said. The agreement increases BPA's total renewable capacity supply by roughly 25%, from about 207 MW to 257 MW.

The Northwest Power and Conservation Council's Fifth Northwest Power Plan anticipates wind power will play a major role in meeting the region's future demand for electricity. The plan foresees the development of up to 5,000 MW of new wind power over its 20-year planning period. Additionally, regional and national consumer concerns about greenhouse gas emissions, along with Northwest legislation encouraging more renewable power supplies, are fueling growth in wind power popularity, BPA noted.

"Public demand in the Northwest for sources of clean, renewable power has never been stronger," said BPA Administrator Steve Wright. "This Klondike III purchase is a sound business decision—it's cost-competitive, fits with the agency's goals of serving the region's needs, and helps BPA maintain its near-zero carbon footprint."

BPA, a federal agency, primarily uses hydropower in meeting load. Had BPA purchased the equivalent energy output of the Klondike III contract from an efficient fossil-fuel source such

as a natural gas-fired, combined-cycle generator, the associated emissions could range between 27,000 tons and 72,000 tons of carbon dioxide per year, according to BPA.

Three states that include BPA customers—Washington, Oregon, and Montana—have enacted legislation requiring utilities to phase in additional renewable energy sources over time. The Klondike III purchase will help BPA keep up with the increase in demand for renewable power that is expected to grow in future years, the agency said.

**RFP: NORTH CAROLINA CO-OP
SEEKS RENEWABLES**

North Carolina Electric Membership Corp. (NCEMC), a generation and transmission electric cooperative, issued a request for proposals (RFP) on October 5 for renewable energy resources.

The RFP calls for up to 200 MW of renewable energy resources to serve a portion of NCEMC's members' future energy requirements and to meet the requirements of the state's Renewable Energy and Energy Efficiency Portfolio Standards (REPS), beginning January 1, 2012. NCEMC expects the RFP will result in bids from a variety of renewable energy suppliers with varying terms. The RFP is specifically intended to solicit responses from renewable energy resources that meet the requirements of the North Carolina energy policy legislation (Senate Bill 3) signed into law in August 2007.

Renewable energy resources include resources such as wind, solar, biomass, and hydropower. NCEMC strongly prefers proposals for renewable energy resources that locate the sources of capacity within the state of North Carolina or are interconnected to the systems of one of the state's three transmission providers (Progress Energy Carolinas, Duke Energy Carolinas, or Dominion North Carolina Power). Out-of-state resources or renewable energy certificates that meet the state requirements will also be considered. Proposal questions about the RFP should be made in writing and e-mailed to renewable.rfp@ncemcs.com.

Full details of the RFP are available at www.ncelectriccooperatives.com/rfp1010.

The electric cooperatives own and maintain 95,000 miles of power lines, by far the most of any electric utility in North Carolina.

**NEW JERSEY UTILITIES BOARD ACCEPTING PROPOSALS
FOR OFFSHORE WIND GRANT**

The New Jersey Board of Public Utilities (NJBP) approved up to \$19 million in funding for a competitive grant solicitation to support the financing and development of an offshore wind pilot.

The successful grantee, the NJBPU said, will build an aggregate capacity of up to 350 MW of offshore renewable wind electricity. As a part of his overall renewable energy strategy, Governor Jon Corzine (D) directed his administration to explore the possibility of offshore wind, which has significant potential along the New Jersey coastline. As part of the funding, the board will provide up to 10% of the total incentive up front to help recipients conduct the needed studies and prepare needed permit applications. Corzine has committed his administration to aggressively pursuing clean, renewable energy sources for New Jersey's electricity supply, the NJBPU said.

"I commend Governor Corzine on his leadership in exploring offshore wind, a clean, renewable resource that has the potential to provide greater fuel diversity for New Jersey, while simultaneously fighting global warming that threatens our New Jersey shoreline," said Board of Public Utilities President Jeanne M. Fox. "Today's Board decision will allow New Jersey to move forward in gathering essential data to help us determine the feasibility of offshore wind in New Jersey."

The NJBPU will accept proposals for funding through January 16, 2008, with the award projected for March of 2008. The evaluation committee will choose a proposed winner to recommend to the board if a proposal meets the relevant criteria but reserves the right not to make an award if no acceptable proposal is received.

"Governor Corzine has been very clear that the state will not move forward with construction if upcoming studies or analyses conducted by the Department of Environmental Protection and Commerce indicate that the construction or operation of this pilot project will have unacceptable adverse impacts on the environment, the economy, or tourism," said Fox. "In taking this approach, the administration is responsibly exploring the potential development of offshore wind in New Jersey."

The grant solicitation is available at www.njcleanenergy.com.

**CLIPPER 'CENTRE OF EXCELLENCE' TO DEVELOP
7.5-MW WIND TURBINE FOR OFFSHORE**

Clipper Windpower, Plc, announced that it has established a Centre of Excellence for Offshore Wind in Blyth, U.K., to develop a 7.5-MW turbine for offshore use.

Dubbed the "Britannia Project," the initiative has attracted support from the U.K.'s One NorthEast Regional Development Agency. The development of the 7.5-MW wind turbine will build upon the architecture and technology of Clipper's Liberty 2.5-MW turbine, which in September 2007 was recognized for its unparalleled levels of efficiency, reliability, and reduced cost of energy by way of a commendation awarded to Clipper by the U.S. Department of Energy.

The Britannia Project addresses the growing demand for highly reliable and efficient offshore wind energy. Clipper will enlist the services and test facilities of the Blyth-based New and Renewable Energy Centre (NaREC) in this project.

“We are extremely pleased to have the U.K.’s One NorthEast working with us in the Britannia Project,” said James G.P. Dehlsen, Chairman and CEO of Clipper. “We established the project based on the offshore wind application of our technology and in concert with the U.K. government’s policy leadership targeted to provide upwards of 20% of the nation’s electricity from renewable sources, which will rely in great part on offshore wind development. This forward-thinking policy should provide strong and affirmative action on both climate change and the enhancement of domestic energy security.”

Project development has involved close collaboration among Clipper, One NorthEast and UK Trade and Investment (UKTI)—the U.K. government’s business development organization.

NaREC will provide the Britannia Project with a support package for engineering and test laboratory, including its world-class wind turbine blade testing facilities. Engineering for the project will be shared between Clipper’s Advanced Technology Group, based in Carpinteria, Calif., and Clipper operations in Blyth. Funding provided by One NorthEast also will support the development of Clipper’s turbine supply chain and related manufacturing facilities.

John Hutton, the U.K. Secretary of State for Business, Enterprise and Regulatory Reform, said the U.K.’s commitment to wind power is steadfast. “Clipper Windpower’s decision to develop a new generation of offshore wind turbines in the Northeast of England is further evidence that the U.K. is fast becoming a magnet for renewable energy investment,” he said. “A recent report from Ernst & Young showed that the U.K. has moved up from fifth to second in the world for attractiveness in new renewable investment. Behind this is the government’s determination to bring down planning barriers and target support at marine and emerging renewables. By 2015 we expect to see a threefold increase in green energy feeding into the grid.”

**NATIONAL WIND ACQUIRES
RESOURCE ASSESSMENT FIRM ROMULD**

Community wind developer National Wind, LLC, acquired wind resource assessment and energy analysis firm Romuld Wind Consulting, LLC.

The newly acquired entity will operate as a National Wind division to be known as National Wind Assessments. It will serve as the cornerstone of National Wind’s service offering, working with customers and performing services for National Wind’s existing projects.

“The addition of Romuld Wind Consulting is a great opportunity to further build our business toward a single source entity that can seamlessly provide the services needed to create utility-scale (50 MW-plus) wind projects,” said National Wind CEO Leon Steinberg. “Experienced wind energy assessment experts like Romuld are a rare commodity. The rapid growth in wind energy has created a shortage of experienced service providers in some key areas such as wind energy assessment. We have secured this scarce resource for our projects and those of our customers.”

Kevin Romuld, founder of Romuld Wind Consulting, will join National Wind as vice president and will lead the division.

WIND ENERGY NEWS ROUNDUP

Renewables RFP coming from Puget Sound Energy

Puget Sound Energy, Inc., is set to issue a request for proposals in January for renewable energy to fill the utility's needs through 2015. Spokesman Roger Thompson said the utility will submit a draft RFP in mid-October.

TPI closes on financing

Wind energy industry supplier TPI Composites, Inc., announced October 11 that it has closed \$22 million in series A convertible preferred equity financing from new and existing investors.

Private equity fund NGP Energy Technology Partners led the investment round and was joined by Angeleno Group and return investor Landmark Growth Capital Partners. "We expect our wind business to continue its dramatic growth in North America and China over the next couple of years," said President and CEO Steven C. Lockard, also noting that the company is gaining significant traction in its military and transportation businesses as well. "Each of our markets will benefit from the series A growth capital," he said.

AWEA FINANCE & INVESTMENT WORKSHOP WRAP: PARTICIPANTS UPBEAT ABOUT TRENDS

AWEA's fourth Finance & Investment workshop, held in New York October 11-12, examined current trends in wind power finance, concluding on an upbeat note about the financial health and outlook for wind power.

"We are all lucky to be working in one of the most vibrant parts of the global economy," said Keith Martin, a partner with Chadbourne & Parke's project finance group and program chair for the workshop. While others worry about the effects of the sub-prime lending mess, the entire renewables sector is growing strongly with wind leading the charge."

Attendance for this popular workshop exceeded 320, with participants coming from a broad range of companies and organizations.

Wind companies are able to raise tax equity to support their projects currently at yields that are at historic lows, noted John Veech, managing director for Lehman Brothers. Turbine, construction, real estate, collateral, and other costs are going up, several speakers noted, but those cost increases are not driving away financing. Similarly, the low value of the dollar is raising the cost of turbines or turbine components from overseas, but doesn't seem to affect the ability for

projects to find financing. In fact, finance is flowing ever more strongly into the wind energy industry. With this positive overarching trend as the backdrop, several trends and issues were identified and discussed in the course of the workshop. Veech noted that price-to-earnings ratios for renewables companies are more than four times higher than for traditional utility shares, suggesting that wind companies should consider raising equity in the public markets.

Consolidation is predicted to continue worldwide, with the top 20 leading owners and operators possibly taking up 37% to 44% of global market share in 2010, up from 33% in 2006, according to London-based New Energy Finance. Consolidation and acquisitions allow larger capital to enter the wind energy business and “jump-start” development.

Evolution in deal structures provided the focus of many of the panel discussions. Indeed, the interest in various deal structures and the evolution in models to meet growing needs is “a positive statement about the state of the market,” noted John Eber, managing director of energy investments at JPMorgan Capital Corp.

The emergence of the use of hedge structures alongside or instead of power purchase agreements (PPAs) is an issue that was raised a number of times during the workshop. That trend could grow for a number of reasons, in particular because using a hedge structure can be more profitable for developers if the purchasing utility is not offering a high enough price for the power and associated renewable energy credits. At the same time, the stability of a long-term PPA remains attractive and therefore that approach will not be going away as a key to securing successful project financing.

Perhaps counterintuitively, hedges also create risk, noted PPM Energy CFO Deborah Gronvold. Depending on how the hedge is structured, the risks include the possibility of having to make large payments to the counterparty and volatility in earnings if the hedge must be “marked to market” at the end of each year.

The ways in which the federal production tax credit (PTC) is included in financing models for wind projects are also evolving. Speakers noted a shift from “unlevered” toward “levered” PTC equity models.

A variety of factors are driving evolution in deal structures. More money is needed sooner, because of the need for down payments on wind turbines. At the same time, larger consolidated portfolios are now being put out to market with serial closings; additional wind farms are dropped into the portfolio as each is placed in service. As sites become further away from transmission, the transmission side of financing is emerging as a new issue because of the possibility that other generators in the future might tap into an intertie originally set up to serve one wind project, thereby turning the project company that owns it into a transmission utility. As such issues emerge, the market responds with new deal structures to try to efficiently channel financing to meet those needs.

Even as complexities and issues bubble up with continued industry growth, the main risk that keeps financial officers and investors up at night is the uncertainty over the availability of the PTC, participants agreed. Higher risk caused by that uncertainty drives up financial costs. PTC cycles drive up development costs in additional ways as well: developers face costs because of the delay in wind project development when the PTC comes close to expiring or expires, and then face the cost of the “rush” to build before the next expiration, noted CFOs of development companies.

Updates on policy outlook therefore were also a key part of the workshop agenda. On the outlook for an extension of the PTC, the big question is finding the politically feasible level of revenue that can be obtained from rolling back oil-and-gas tax incentives, rollbacks that would offset the increased incentives for renewable energy sources. If that level must be reduced in order to gain support from legislators protecting oil and gas interests, it will mean a smaller amount of funds available for a long-term PTC extension and other renewable energy incentives, given that tax legislation must be “revenue neutral.” Regarding a national electricity standard (RES, also referred to as renewables portfolio standard or RPS), “You can see a path to an RPS, even if it is a narrow path,” said AWEA Senior Director of Legislative and Public Affairs Greg Wetstone. Here again, the key is crafting an energy bill that can earn the necessary votes to pass, including the 60 votes in the Senate necessary to overcome a filibuster.

The topics of climate change and the future price of carbon also came up throughout the workshop. Some speakers noted that there is a de facto cost of carbon already at play in the market, which tends to put proposed coal plants on hold because of concerns over emissions while investment in wind power rushes forward. On the legislative front, speakers agreed that while climate change is a big driver in current energy legislation and there is intense discussion around proposed bills, the consensus seems to be that overarching climate legislation itself is not likely to be finalized and passed before 2009 at the earliest. The audience was also cautioned against assuming that climate change legislation would be a panacea for wind and renewable energy development. In fact, several pitfalls loom, some said. Two of those pitfalls are that the emissions cap that is finally set may not be very aggressive and there may be cost caps which will blunt the market signals driving investment toward renewables; second, most of the emissions allowances could go to coal and other polluting sources rather than clean generation technologies like renewables, thereby in effect subsidizing those generators and depriving renewables of the ability to play in the allowance market created by “cap and trade.”

The AWEA Wind Energy Fall Symposium, November 1-2, 2007, in Carlsbad, Calif., will include a session on “New Trends in Wind Energy Financing.” The session will be chaired by John Eber, managing director of energy investments at JPMorgan Capital Corp., and will look at how new financial structures allow for a much wider range of ownership and investment opportunities in the wind power industry.

(Announcement)
LEADING WIND ENERGY PROFESSIONALS TO SPEAK AT THE
AWEA WIND ENERGY FALL SYMPOSIUM 2007

There is still time to register for the AWEA Wind Energy Fall Symposium 2007 being held November 1 – 2, 2007 at La Costa Resort & Spa in Carlsbad, California! Attend the program and hear about the latest advances and research from leading wind energy professionals on hot topics in the industry.

Speakers include:

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

Jim Adams, Director of Project Services, AWS Truewind, LLC
Patricia Alexander, Energy Industry Adviser, Dickstein Shapiro LLP
Parthiv Amin, President, Winergy Drive Systems Corporation
Paul John Baker, Service Manager, Moventas, Inc.
Eric Blank Vice President, Community Energy / Iberdrola
Paul Bonavia, President, Xcel Energy
John Calaway, Chief Development Officer, Babcock & Brown LP
Patrick Caramante, Vice President, Strategy & Planning, UPC Wind Management, LLC
Jason Cavaliere, Executive Director, Morgan Stanley
Mark Dennes, Vice President, Fortis
Phil J. Dougherty, Acting National Director, Wind Powering America, U.S. Department of Energy
Phillip Duncan, Wind Project Manager, Kansas City Power & Light (KCP&L)
Phil Dutton, Senior Project Manager, Garrad Hassan America, Inc
John Eber, Managing Director-Energy Investments, JPMorgan Capital Corporation
William Erdman, BEW Engineering, Inc.
Ed Feo, Partner, Milbank, Tweed, Hadley & McCloy LLP
David Ferebee, Vice President of Sales, LoneStar
Richard S. Free, Manager Energy Markets Development John Deere Wind Energy
David Freeman, Former Head of the Tennessee Valley Authority, Los Angeles Department of Water and Power, and other major utilities
Robert Gates, Senior Vice President of Commercial Operations, Clipper Windpower, Inc. / Board President, AWEA
Dayton Griffin, Engineering Project Manager, Global Energy Concepts, LLC
John Flicker, President, National Audubon Society
Matthew Hendrickson, Director, Energy Assessment, Horizon Wind Energy
Clint Johnson, US Energy Group Manager, Garrad Hassan America, Inc.
Gisela Kroess, Director, HVB Unicredit
Blake Lacher, Managing Director, ABN AMRO
James Maughan, GE Power Systems
Christopher Miller, Team Leader - US Global Warming Campaign, Greenpeace
Lars Moller, President, DMI Industries
Kathleen E. Moore, President, Integrated Environmental Data, LLC
Jim Murphy, Senior Vice President & CFO, Invenergy LLC
Sara Parsons, PPM Energy
Robert Z. Poore, President, Global Energy Concepts, LLC
Hal Romanowitz, President, Oak Creek Energy Systems, Inc.
Justin Sharp, Meteorologist, PPM Energy, Inc
Michael Skelly, Chief Development Officer, Horizon Wind Energy
J. Charles Smith, Managing Director, Nexgen Energy LLC
John Stough, Managing Director, American Electric Power (AEP)
David Stout, Chief, Division of Habitat and Resource Conservation, Fisheries and Habitat Conservation, US Fish and Wildlife Service
Howard Sussman, Stoel Rives
Jerry Vaninetti, Vice President, Western Development, Trans-Elect Development Company, LLC
Paul Veers, Distinguished Member of the Technical Staff, Sandia National Laboratories
Paul Vercruyssen, Center for Energy Efficient & Renewable Technologies, CEERT
Jim Walker, Vice Chairman of the Board, enXco, Inc
Wayne Walker
Eric White, Director of Engineering, AWS Truewind, LLC

Ryan Wiser, Research Associate, Lawrence Berkeley National Laboratory
Greg Wortham, Mayor of Sweetwater (TX)

As a perfect primer to the more detailed Symposium sessions on Thursday and Friday, start out with the ½ day Introduction to Wind Energy pre-conference seminar the afternoon of Wednesday, October 31 which provides an excellent overview of the wind industry.

For more information about the Fall Symposium sessions as well as details about the special activities, networking opportunities, guest passes, AWEA committee meetings, registration prices, hotel reservations and travel information, visit <http://www.awea.org/events/symposium07> .

(Announcement)
DISCOUNTED REGISTRATION FOR SAFETY SEMINAR
EXPIRES MONDAY!

The first ever AWEA Health and Safety Seminar will be held in Atlanta in just over **THREE WEEKS!** Register by Monday evening, October 15, to take advantage of discounted registration fees. Come hear about health and safety issues specifically tailored to the needs of owners, installers and operators of wind power installations from a lineup of knowledgeable and experienced speakers. The Seminar will be held Thursday, November 8, followed by a meeting of the AWEA Safety Committee Friday morning, November 9. Register today at: <http://www.awea.org/events/safety/> .

(Announcement)
WIND ENERGY CONFERENCE
SET FOR DES MOINES

On Tuesday, November 6th, 2007 the German American Chamber of Commerce of the Midwest (GACCoM) in coordination with the German Energy Agency (DENA), and sponsored by the German Ministry for Economics and Technology (BMWI) will be hosting a Wind Energy conference in Des Moines, Iowa. Innovative German companies will present their technologies, and opportunities for business cooperation in the U.S. will be discussed. Leading speakers from both the U.S. and Germany will share their experiences, new technologies, products, and services.

GACCoM will be organizing one-on-one meetings between the German companies and potential U.S. business partners, both before and after the event.

The primary objective of the conference is to open a dialog for partnership between two of the world's leading countries in developing and implementing new Wind Energy technologies. Germany has been at the forefront of new Wind Energy initiatives, both from a technology and a public policy standpoint. This includes being the world's leading producer of Wind Power. Iowa is the third largest producer of wind energy in the USA, followed closely by its neighbor to the

north, Minnesota. Six of Top 10 states ranked by wind potential are also located in the region. Therefore, Iowa is the ideal location to bring the regional wind industry together with a delegation of leading German companies and industry experts.

Attendees will include Wind Energy producers, technology suppliers, system and component manufacturers, investors, public policy makers and other stakeholders that have an interest in a renewable energy future for the Great Plains. Registration is available online at: www.gaccomm.org/windenergy.html.

The conference is also supported by the Iowa Department of Economic Development and the American Wind Energy Association.

The following companies will be part of a delegation from Germany:

- **Asmus Arbeitsbühnen und Hebezeuge GmbH (www.asmus-bau.de)**
Manufacturer of rotor access units and platforms for pitch and stall service elevators
- **Deutsche Rotor- und Turmservice GmbH (www.deutsche-rts.de)**
Maintenance technology and services for rotor blades, towers and foundations
- **natcon7 GmbH (www.natcon7.com)**
Innovative systems for remote monitoring, control and evaluation of distributed power stations
- **Omniwatt (www.omniwatt.com)**
Develops and acquires wind power projects, focused on small and medium sized installations
- **RUD Ketten (www.rud.com)**
Sling chains and hoist rings for transporting and installation of towers
- **SIAG GmbH (www.siag.de)**
Leading European manufacturer of tower segments
- **WKA Montage GmbH (www.wka-montage.de)**
Specializes in foundations for wind turbine systems

To coordinate further discussions with visiting companies either at the conference or during the week of the conference, please contact:

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UPCOMING AWEA EVENTS

AWEA Wind Energy Fall Symposium

November 1 – 2, 2007
Carlsbad, Calif.

AWEA Wind Power Health and Safety Symposium

November 8, 2007
Atlanta, GA

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 .