



U.S. Department of Energy

Energy Efficiency and Renewable Energy

Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable

DOE Wind Program Update

June 4, 2006

Karsner Works to Advance Renewables

CRADA Announcement

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DOE WindPower Publication

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Assistant Secretary Karsner Working to Advance Renewable Energy Technologies

Sworn in as Assistant Secretary of Energy Efficiency and Renewable Energy (EERE) on March 23, 2006, Alexander “Andy” Karsner is working on a wide variety of fronts to foster more rapid development, commercialization, and deployment of energy efficiency and renewable energy technologies. Before joining DOE, Assistant Secretary Karsner served as managing director of Enercorp LLC, known for its international project development, management, and financing of renewable energy infrastructure.

“With nearly two decades of the energy business behind me, I can see clearly that the energy industry is on the precipice of major change. By questioning conventional wisdom and embracing ambitious timetables, we can bring about positive commercialization opportunities for new technologies. I believe that success will be defined by enabling commercial frameworks and free enterprise to accelerate the development and deployment of new energy technologies to address these energy challenges head on.

In the coming months, I will seek to expand the efforts to advance the commercialization and deployment of renewable energy and energy efficiency technologies. I welcome the participation of energy businesses and people of goodwill throughout the country coming together to achieve these goals, bringing a safer, cleaner, sustainable, and more secure future to our country and a better, healthier world for generations to come.”

NREL Seeks Partners for New Wind Turbine Blade Test Facility

The U.S. Department of Energy’s (DOE’s) National Renewable Energy Laboratory (NREL) is seeking government, private, or nonprofit partners to design, construct, and assist in operating one or more wind turbine

blade test facilities capable of testing blades up to at least 70 m (230 ft) in length. Interested parties should respond to DOE’s Cooperative Research and Development Agreement (CRADA) announcement with a proposal by October 2, 2006.

The purpose of this partnership is to support the U.S. wind industry’s development and deployment of large land-based and offshore wind turbines by providing industry with facilities capable of testing the larger blades at a reasonable cost.

The DOE Wind Program intends to contribute capital contributions up to \$2 million, provide NREL staff and expertise to help develop and operate the facility, and license the NREL blade resonance fatigue testing technology.

For more information on this CRADA opportunity visit DOE’s Wind and Hydropower Technologies booth number 1234 in the Exhibit Hall or visit <http://www.nrel.gov/wind/bladecrada.html>.



NREL conducts a static bending test on a 47-m blade using a 50-m test stand at the National Wind Technology Center, near Boulder, Colorado.

Wind Industry Members Receive Awards at DOE Peer Review Meeting

In May, the U.S. Department of Energy (DOE) announced the winners of its 2005 Wind Energy Awards for outstanding contributions in support of the DOE Wind Program mission. Each year, DOE solicits nominations for four Wind Energy Awards in the following categories: wind program leadership; outstanding research and development partnership; contributions to the acceptance of wind energy technology; and individual research achievement.

Knight and Carver’s Wind Blade Division received the 2005 Outstanding Research and Development Partnership Award for its advance wind turbine blade technology development project in partnership



Gary Kanaby from Knight and Carver (left) accepts the 2005 Outstanding Research and Development Partnership Award from Tom Ashwill (center), Sandia National Laboratories, and Jim Ahlgrim, DOE (right).

Awards (continued)

with the U.S. Department of Energy, the University of California at Davis, and Sandia National Laboratories of Albuquerque, NM.

Randy Manion from the Western Area Power Administration received the 2005 Outstanding Program Leadership Award for his work in advancing wind energy through partnerships with public power utilities.

NREL's Larry Flowers received the 2005 Outstanding Technology Acceptance Award for his contributions to the National acceptance of wind energy technology.

NREL's Brian Parsons received the 2005 Outstanding Research Achievement Award for his contributions toward the integration of wind energy into the Nation's electric power system.

A special award was made this year, for Outstanding Service, to Dr. Larry Carr, in recognition of his five years of outstanding service as senior member of the Wind Program Peer Review Team.

For information regarding nominations for the 2006 DOE Wind Energy Awards, please contact Jim Ahlgrimm of the DOE Wind Energy Program at jim.ahlgrimm@ee.doe.gov.



Wind Power Today

From a new tooth form that promises major improvements in the power density of wind turbine gears to multimewatt prototypes – from grid integration to state-

based and rural economic development activities – read about how the U.S. Department of Energy is working with industry to advance wind turbine technologies and increase wind energy development in the 2006 edition of Wind Power Today.

For more information contact:
EERE Information Center
1-877-EERE-INF (1-877-337-3463)
www.eere.energy.gov

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DOE to Present 25 Papers/Posters at WindPower 2006

Nine papers and 16 posters will be presented by DOE funded staff at this year's WindPower Conference in Pittsburgh. Paper topics include wind integration, blade technology, energy policies, marketing strategies, wind shear, and wind power for rural electric cooperatives. Poster topics include emerging applications, wind resource mapping, the wind/water nexus, emissions reductions through wind power, small turbine testing facilities, renewable energy impacts, model validation, wind power on Native American lands, and an analysis of wind, coal, and natural gas.

DOE will also host a booth (#1234) in the WindPower Exhibit hall where you can pick up the latest DOE publications and a free 2005 Wind Energy Projects poster.

Events

Title: NWCC Western Transmission Workshop IV

Date: July 18–19, 2006

Location: Denver, Colorado

<http://www.nationalwind.org/events/transmission/western/2006/default.htm>

Title: Nevada Wind Conference and NWCC Issue Forum

Date: July 26–27, 2006

Location: Reno, Nevada

<http://www.windpoweringamerica.gov>

<http://www.energy.state.nv.us>

Title: Wind Energy Applications and Training Symposium (WEATS)

Date: August 8–11, 2006

Location: Boulder, CO

Contact: Tony Jimenez

Phone: 303-384-7027

<http://www.windpoweringamerica.gov>

Title: Wind Generation in Power Systems: A Short Course on the Integration and Interconnection of Wind Power Plants into Electric Power Systems

Date: September 26–29, 2006

Location: Marriott Providence Downtown, Providence, Rhode Island

<http://www.uwig.org/>

Title: Utility Wind Integration Group (UWIG) Fall Technical Workshop

Date: October 23–25, 2006

Location: Oklahoma City, OK

<http://www.uwig.org/>

Title: NWCC Wildlife Workgroup Research Meeting VI

Date: November 14–16, 2006

Location: Radisson Hotel - San Antonio, Downtown Market Square, San Antonio, TX

<http://www.nationalwind.org/events/wildlife/2006-3/default.htm>

For More Information on Wind Energy visit:

NATIONAL RENEWABLE ENERGY
LABORATORY NATIONAL WIND
TECHNOLOGY CENTER
<http://www.nrel.gov/wind/>

NATIONAL WIND COORDINATING
COMMITTEE
<http://www.nationalwind.org/>

SANDIA NATIONAL LABORATORIES
<http://www.sandia.gov/wind/>

U.S. DEPARTMENT OF ENERGY WIND AND
HYDROPOWER TECHNOLOGIES PROGRAM
<http://www1.eere.energy.gov/windandhydro/>

UTILITY WIND INTEREST GROUP
<http://www.uwig.org>

WIND POWERING AMERICA
<http://www.eere.energy.gov/windandhydro/windpoweringamerica/>