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Week of March 7,  
2011

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## Green Power

### ***Air Force leads the way as Green Power Partner***

The Air Force is one of the nation's top purchasers of green power, according to the U.S. Environmental Protection Agency's Top 25 list of Green Power Partners released this month.

The Air Force is being recognized for its purchase and on-site production of 243.9 million kilowatt-hours of green power from U.S. renewable facilities built after 1997. The Air Force use of renewable energy ranks number one in the Department of Defense, number two in the federal government, and number 15 among 1,300 Green Power Partners including large corporations and municipalities such as Dallas and Houston. In addition, Air Force officials purchased 250 million kilowatt-hours of renewable energy from facilities built before 1997 for a total renewable usage of 493.9 million kilowatt-hours. [Read more](#). Source: U.S. Air Force, 2/25/11

### ***Colorado Company New Hub for Wind Turbines That Could Green Up Ski Areas***

**Leitner-Poma of North America, based in Grand Junction, designs turbines to offset energy used to get people up mountains. They're proving to be tourist attractions, too.**

At some point, as a skier or rider, it dawns on you that skiing and snowboarding are not necessarily without environmental impact. Although we are outside enjoying the fresh air, the gorgeous scenery and moving downhill under our own power (albeit with a gravity assist), getting uphill is a different matter.

When it comes to energy usage at ski areas, running lifts takes a lot power. The issue has led several ski resorts to measures designed to lighten their carbon footprint. For example, Vail Resorts and Aspen/Snowmass invest in wind-power credits. Canada's giant Whistler-Blackcomb Resort took this a step further and completed a hydroelectric plant in 2009 that generates more energy than the resort currently uses. Grouse Mountain, also in British Columbia, built an on-site utility-scale wind Leitwind turbine that offsets 25 percent of the resort's energy consumption and has become a year-round tourist attraction with a 360-degree viewing pod located 20 stories above the ground. [Read more](#). Source: NewWest Snow Blog, 2/23/11

## ***Sony Utilizing Massive Amounts Of Green Power***

Sony Corporation of America (SCA), Sony DADC, Sony Electronics, and Sony Pictures in the U.S. have come together to [purchase more than 143 million kilowatt-hours](#) (kWh) of green power annually for 2011, which is enough green power to sustain most of energy demands of the company.

If you're unfamiliar with the term kilowatt hours, using a 60 watt light bulb for one hour consumes 0.06 kilowatt hours of electricity. Using a 60 watt light bulb for one thousand hours consumes 60 kilowatt hours of electricity.

Sony's on-site solar installations in the U.S. also produce more than 600,000 kWh/year. The company's green power purchase and on-site solar generation are part of its ongoing commitment to reducing its environmental impact globally and supporting renewable energy.

I really think Sony can eventually operate without [zero environmental impact](#) within my lifetime. Personally, I think that we must evolve towards that direction, otherwise we face obsolescence. *Source: Sony Insider, 2/23/11*

## ***Northwestern ranked fifth among top green power purchasing universities***

The Environmental Protection Agency ranked Northwestern University fifth in its most recent list of top green power purchasers. The list rates higher education institutions within the Green Power Partnership, a voluntary program that encourages organizations to help offset the impact of electricity usage.

Northwestern moved up three spots from the EPA's previous ranking, published last fall, after purchasing more Renewable Energy Certificates (REC), which support the growth of renewable energy market initiatives such as wind farms and solar panels. [Read more](#). *Source: North by Northwestern, 2/23/11*

Visit U.S. DOE EERE [Green Power Network](#) for more information.

## **Renewable Energy Technologies**

### ***Queen Creek Olive Mill Goes Solar***

#### **Mill Adds Rooftop PV System With Assistance from SRP Solar Incentive**

As part of its commitment to the environment, the [Queen Creek Olive Mill](#) (Arizona's only working olive farm and mill) is now getting some of its electricity from the sun. With the help of an incentive from the SRP EarthWise Solar commercial program, the business partnered with Royal Solar of Arizona to install a 50-kilowatt, roof-mounted photovoltaic (PV) system. The system will offset up to 60 percent of the company's electricity usage and feature a live real-time display of the electricity being produced by the PV system. [Read more](#). *Source: SRP, 3/2/11*

### ***NorthWestern Energy to Test Storage System of Flywheel Energy***

The performance of NorthWestern Energy's Mill Creek Generating Station has consistently met or exceeded all

expectations in the weeks since it began operating west of Anaconda, Mont., and the company is already exploring the use of new technology to further enhance its performance.

NorthWestern has signed a 15-month lease with Beacon Power to test a 1 megawatt flywheel energy storage system at the plant. The system would be used in conjunction with Mill Creek's mission to provide regulation resources to balance the company's interconnected transmission grid operations in Montana. [Read more](#). Source: *MtStandard.com*, 2/28/11

## ***Organism Secretes Renewable Fuels Using CO<sub>2</sub>, Water, Sun***

### **Genetically-engineered cyanobacterium eliminates biomass step to produce ready-to-use diesel fuel or ethanol**

A biotechnology company in Massachusetts has created a genetically engineered organism capable of producing diesel fuel or ethanol, which can be used to run cars and jet engines.

Joule Unlimited, a Cambridge-based producer of alternative energy technologies that was founded in 2007, developed a genetically engineered organism called a cyanobacterium, which uses water, sunlight and carbon dioxide to produce and secrete renewable fuels.

Until now, researchers have created fuel from solar energy through the use of corn and algae. But creating ethanol from corn or extracting fuel from algae on a large scale can be costly due to biomass. The process consists of having to grow tons of algae or corn, harvest it and destroy it in order to extract the fuel, which must then be treated before it can be used. [Read more](#). Source: *Daily Tech*, 2/28/11

## ***Energy companies struggle against odds with geothermal projects***

Geothermal energy has had a rocky history in Switzerland. Extracting energy from below the ground is a difficult and expensive process. If it goes wrong, it creates a wealth of problems, as experienced by the people of Basel in 2006, who suffered earthquakes because of a drilling project. If it goes well however, geothermal energy is environmentally friendly and sustainable. [Read more](#). Source: *World Radio Switzerland*, 3/1/11

## ***Geothermal, solar projects a good start, now what's next?***

Halifax Regional Municipality appears to be doing the right thing when it comes to encouraging sustainable energy and greater energy efficiency, but could it do more?

During an appearance before the Standing Senate Committee on Energy, the Environment and Natural Resources at the Prince George Hotel on Monday, representatives from the municipality's administration trumpeted, among other things, its award-winning geothermal cooling project in Dartmouth and its program to encourage the use of solar heat for domestic hot water as examples of the level of interest in greater energy efficiency in Halifax. [Read more](#). Source: *The Chronicle Herald*, 3/1/11

## ***NREL Looks to Expand Biofuels Partnerships***

The scenario for your business dream plays out like this. You have an idea to make a fuel from biomass using a biochemical conversion processes. You and your investors have completed bench-scale tests of your process, but now it is time to take it to the next level and process up to one ton of dry biomass a day. However, in a tough

economy you don't want to build your own demonstration facility, but still need somewhere to test it. It turns out that "somewhere" is located at the U.S. Department of Energy's (DOE) National Renewable Energy Laboratory (NREL). [Read more](#). Source: *National Renewable Energy Laboratory*, 2/28/11

## ***GE and Alstom Prepare for Larger Wind Turbines***

America's GE has acquired intellectual property to build lower-cost, 100-meter-tall-plus towers capable of supporting high-capacity turbines. And France's Alstom Group and LM Wind Power Group of Denmark have teamed to develop what they claim will be the longest wind turbine ever produced.

Tall towers and big turbines are part of the move toward [ever-bigger wind power systems](#) to drive production up and costs down. According to the American Wind Energy Association, the average wind turbine installed in 2007 had a capacity of 1.6 MW, which is twice as powerful as the average turbine installed in 2000 at 0.76 MW. Wind turbines today are common at up to 3 MW. Earlier this month, [Vestas](#) announced that it will supply 33 V90-3.0 MW wind turbines to New Hampshire, USA, after receiving an order from Granite Reliable Power Windpark. [Read more](#). Source: *Renewable Energy World*, 2/25/11

## ***New turbines in Scotts Valley***

About 6 wind turbines are expected to mix away on top of the Circus Tree Center building in Scotts Valley Drive. The half a dozen wind turbine are 6 ft height and contains a wingspan of around 5 feet that have been planned to be set up on the complex roof which has Skylight Ballroom, Mint cafe and a construction company BCI Builders, owned by Mayor Dene Bustichi. Dene Bustichi said this step may decrease their usage of power by about 20 percent.

The rebate program can be accessed by everybody like private homeowners, municipal agencies and it has been active from the year 1998. During April 2010, the agency offered a 1 yr increase in rebate amount for receiving further interest in the renewable. From April 6, the consumers who plan to acquire small wind turbines will be offered rebate of about \$3 per watt for any rating received by the turbine. [Read more](#). Source: *Biofuels Watch*, 2/26/11

## ***Wind farms and deadly skies***

The 260-foot-tall wind turbines of the Kenedy Ranch stand like a steel forest along the edge of the Laguna Madre and pump out hundreds of megawatts of emission-free electricity.

The spinning blades, alongside some of the most important habitat in Texas and one of North America's largest migratory flyways, are killing thousands of birds and bats each year. [Read more](#). Source: *San Antonio Express News*, 2/27/11

## ***Geothermal work tricky; upfront costs slow siting for companies***

Idaho's push for renewable energy is gaining strength.

Since 2008, federal stimulus dollars have combined with tax incentives to bring more renewable energy projects online as rising fuel prices made the ventures more lucrative.

In December, Idaho Power petitioned the Idaho Public Utilities Commission to severely cap the amount of intermittent renewable power it's required to buy. This week, the petition was granted.

The rapid random proliferation of wind power projects across Idaho's high desert prompted calls to regulate where the projects could be placed.

Earlier this month, U.S. Interior Secretary Ken Salazar held a two day conference to address the administration's efforts encouraging renewable energy projects on federal land while emphasizing responsible project siting. Much of the focus was on wind energy. [Read more](#). *Source: Spokane Spokesman Review, 2/27/11*

## ***U.S. Military Transforms Landfill Gas into Renewable Energy***

America has found an unlikely leader into a sustainable new future, and that's the U.S. military. From solar power to wind turbines, high efficiency LED lighting and even geothermal installations, the Department of Defense has been pulling out of fossil fuels and getting into clean energy and conservation. The latest foray is being lead by [Fort Benning, Georgia](#), which is about to install two new power stations that will convert the facility's [landfill gas to electricity](#)...come to think of it, perhaps this kind of leadership makes perfect sense, after all. [Read more](#). *Source: Clean Technica, 2/28/11*

## ***GT Solar Receives \$41.6 Million Order for Sapphire Crystallization Furnaces from New Asia-Based Customer***

GT Solar International, Inc., a global provider of polysilicon production technology, and sapphire and silicon crystalline growth systems and materials for the solar, LED and other specialty markets, today announced that it has received an order valued at over \$41 million dollars for its advanced sapphire crystallization furnaces. This is GT Solar's fourth order for its sapphire crystallization furnaces in recent months.

"We continue to see interest in our advanced sapphire furnace from new market entrants who are interested in producing sapphire material for high brightness (HB) LED applications," said Tom Gutierrez, GT Solar's president and CEO. "Our sapphire crystallization furnace provides a scalable and reliable architecture allowing companies to quickly ramp to volume production to produce low-cost, large area sapphire substrates." [Read more](#). *Source: Stock House, 2/27/11*

## ***It's Turbine vs. Turbine in Reno***

The wind of northwest Nevada, Mark Twain once wrote, "is by no means a trifling matter." But does harnessing its energy make economic sense?

The city of Reno plans to find out.

Reno has installed nine wind turbines each a different make or model at four spots around town. Instruments on the turbines continuously measure wind speed and energy production, and all of the [data are posted online](#).

The goal: To give consumers an in-depth look at how each turbine performs and how that performance compares with manufacturers' promises. [Read more](#). *Source: The Wall Street Journal, 2/28/11*

## **U.S. Marine Corps Air Ground Combat Center**

**U.S Marine base works securely, reliably, efficiently and comfortably**

***The challenge: Create a reliable, secure power source to ensure continuous operations at a military base that is vulnerable to power outages***

The U.S. Marine Corps Air Ground Combat Center (MCAGCC) at Twentynine Palms, California helps ensure military operating force readiness. A military base must run without interruption. However, the MCAGCC sits at the end of the electrical distribution line and has experienced frequent power outages. Keeping military and civilian personnel and their families comfortable has also been challenging because of the base's location in the Mojave Desert where temperatures range from 120 degrees by day to 20 degrees by night. The base needed significant climate control, lighting and security system improvements, but funding those improvements presented another challenge, given budget restraints. [Read more](#). Source: *Johnson Controls*

## **Department of Energy Finalizes \$96.8 Million Loan Guarantee for Oregon Geothermal Project**

Energy Secretary Steven Chu today announced that the U.S. Department of Energy (DOE) finalized a \$96.8 million Recovery Act supported loan guarantee to a project sponsored by U.S. Geothermal, Inc. to construct a 23 megawatt (net) geothermal power project in Malheur County, in southeastern Oregon. The company estimates that the project, known as Neal Hot Springs, will create approximately 150 construction jobs, over a dozen permanent jobs and many more supply chain jobs across several states, including Texas, California and Ohio.

"Increasing the supply of renewable energy through projects like U.S. Geothermal's will help us reach the President's goal of generating 80 percent of our electricity from clean energy by 2035," said Secretary Chu. "The Neal Hot Springs project will provide clean renewable energy directly from our nation's vast natural resources while simultaneously creating jobs and helping to promote energy independence." [Read more](#). Source: *DOE's Office of Energy Efficiency & Renewable Energy, 2/24/11*

## **Feed-in Tariffs Needed After Grid Parity**

**A few weeks ago, US solar market analyst Paula Mints published an article essentially arguing that solar is about to reach an "un-incentivized future." Don't hold your breath.**

There can be no doubt that photovoltaics (PV) has depended upon governmental support. In particular, where proper feed-in tariffs have been offered, PV has done well – and where such policies were quickly discontinued, markets have collapsed.

This story is basically told in two ways: it either proves that feed-in tariffs are successful – after all, there have been no PV booms without feed-in tariffs yet; or it proves that feed-in tariffs are hard to get right so we are better off without them. Mints [apparently belongs in the latter camp](#) (you may have guessed I am in the former). [Read more](#). Source: *Renewable Energy World, 2/22/11*

## **Ind. county OKs noisier wind turbines**

A northern Indiana county has approved changes to an ordinance to allow louder wind turbines despite some

residents' worries that noise from the hulking power-generating machines might disrupt their sleep or hurt property values.

The Tippecanoe County Commissioners approved changes on a 2-1 vote Monday to allow large wind turbines to generate an average sound output of 50 decibels per hour.

Research from Purdue University's audiology department presented during the meeting described 50 decibels as similar to the noise produced by a large electrical transformer at 100 feet. [Read more](#). Source: *Bloomberg*, 2/22/11

## **Gamesa To Build 5 MW Offshore Prototype**

[Gamesa](#) has signed an agreement to supply energy company [E.On](#) with an offshore prototype of its G11X-5.0 MW platform in 2012.

The agreement includes the installation of one, possibly two, Gamesa G128-4.5 MW wind turbine(s) for an E.ON site in Europe. Gamesa will perform the transport, installation and commissioning of the turbine(s) in 2012.

Gamesa will also install G9X-2.0 MW wind turbines at a wind farm under construction in Alcamo, Sicily for more than 30 MW. Gamesa will undertake the transport, installation and commissioning this year.

Gamesa is currently designing and developing two families of offshore turbines (the G11X-5.0 MW, and G14X with a capacity of 6 MW to 7 MW) based on proven technology that was validated in the G10X-4.5 MW turbine. Prototypes of the G11X-5.0 MW platform will be tested in the last quarter of 2012, and the pre-series will be ready in 2013.

Gamesa is developing the G11X-5.0 MW turbine platform together with Northrop Grumman Corp. Gamesa is also developing a generation of larger-capacity offshore turbines, specifically the G14X (6 MW to 7 MW per unit); the pre-series could be ready in 2014. Source: *North American Wind Power*, 2/22/11

## **Solar Panels to Power Cleanup at one of the Most Toxic Sites in U.S.**

US EPA's Jared Blumenfeld and U.S. Congressman Mike Thompson hosted a press conference and media tour on Feb. 23 to provide details for recent exciting energy conservation and cleanup accomplishments at the [Frontier Fertilizer Superfund Site](#) in Davis, California. Blumenfeld and Thompson joined the Mayor Pro Tem of Davis and key state and local partners to reveal details for how EPA has infused a "green" foundation into much needed infrastructure improvements at the site while simultaneously speeding the cleanup remedy by more than 150 years.

February 2011 marks the two-year anniversary of the American Recovery and Reinvestment Act of 2009 being signed into law by President Barack Obama. In the two years since President Obama signed the Recovery Act, EPA has made tremendous progress in creating green jobs and improving the quality of public health and the environment through projects supported by Recovery Act funding.

This [Superfund Cleanup](#) is an innovative partnership between the [California Department of Toxic Substances Control](#), [Regional Water Quality Control Board](#) and the Frontier Fertilizer Superfund Oversight Group. Source: *U.S. Environmental Protection Agency*, 2/23/11

## **Crop Residues: Issues Relating to Collection, Transportation and Storage**

## **Bioenergy producers looking to purchase crop residues must understand and be willing to work with farmers to determine the most viable options for harvesting the feedstock.**

Crop residues, such as corn stover (leaves and stalks of corn plants left in the field after harvest), are poised to be a significant source as a feedstock for biofuel production and as biomass for creation of electricity, but prohibitively high collection and transportation costs are often cited as major impediments to completion of projects. Despite these issues, crop residues offer significant benefits as a feedstock. First, crop residues are, as the name suggests, waste that is left over after harvesting the primary crop. This waste can be significant. Corn stover, for example, makes up about half of the yield of a corn crop. Second, use of the crop residue, rather than the primary crop, avoids the food vs. fuel debate. Third, the feedstock can come from a variety of crops (including corn, wheat or sorghum, just to name a few). [Read more](#). Source: *Biomass Power & Thermal*, 2/22/11

## **Fact Sheet: A Snapshot of Renewable Energy Deployment**

### **A Snapshot of Renewable Energy Deployment**

Renewable energy resources—including water, wind, biomass, geothermal, and solar—are abundant and geographically diverse across the United States, and can be used to generate electricity, provide thermal energy, fuel industrial processes, or make transportation fuels. The deployment of renewable energy technologies has grown rapidly in recent years as the nation looks to meet growing demand, diversify its energy supply, and reduce the carbon emissions which cause climate change. But how do the various renewable energy technologies compare to fossil fuels and nuclear power when costs, climate, timing, and flexibility are all imperative?

This fact sheet will focus on renewable electricity, which has grown 86.6 percent since 1998 and now comprises 10.6 percent of total U.S. electric generation. Deployment characteristics such as total capacity, project size, cost trends, construction timelines, and impact on carbon emissions of renewable electricity technologies will be compared. Several aspects of renewable thermal (heating and cooling) energy will be addressed as well. It should be noted that about 40 percent of U.S energy is used by buildings for heating and cooling. [Download the fact sheet](#). Source: *Environmental and Energy Study Institute*

Learn more about [renewable resources](#).

## **Outreach, Education, Reports & Studies**

### **Illinois entrepreneurs compete in Clean Energy Challenge**

The Clean Energy Trust reminds you that the best minds in clean energy entrepreneurship present their cutting-edge innovations—from solar shingles to net-zero energy high rises and SmartGrid IT—at the inaugural [Clean Energy Challenge business competition](#) Thursday, March 3, at the Gleacher Center in Chicago.

The [15 finalists](#) from across Illinois—representing nearly every aspect of the clean energy sector—include researchers from Argonne National Laboratory, Northwestern University, the University of Chicago and other world-class institutions. These innovators are competing for \$130,000 in prizes, with \$100,000 available for early-stage company winners. View the complete list of competitors at

Nationally renowned venture capitalists, investors and technology experts will select the winners, who will be

announced by Illinois Governor Pat Quinn. *Source: Clean Energy Trust, 3/2/11*

## ***Submit your nomination for 2011 Public Power Wind Award***

The 2011 Public Power Wind Award will honor one consumer-owned utility (COU) for its leadership in wind power. COUs can nominate themselves or other systems. There is no cost to enter, but nominees must be members of the [American Public Power Association](#) (APPA) to be eligible.

Complete the [nomination form](#) and return it by **close of business April 4** to:

[Randy Manion](#)  
Western Area Power Administration  
P.O. Box 281213  
Lakewood, CO 80228-8213  
720-962-7423

The U.S. Department of Energy's [Wind Powering America initiative](#) sponsors the Public Power Wind Award in partnership with the APPA. The winner will be recognized at the [APPA National Conference](#) in Washington, DC, June 17 to 22, 2011. *Source: Public Renewables Partnership*

## ***First Known Use of QECBs will Save Yolo County at Least \$8.7 Million over the Next 25 Years***

National Renewable Energy Laboratory (NREL) recently published a case study describing an innovative municipal financing structure for a solar PV installation in Yolo County, Calif. The project is noteworthy because it represents the first known use of qualified energy conservation bonds (QECBs) and the first known combined use of QECBs and clean renewable energy bonds (CREBs) in the country.

[This article](#) outlines the process the county underwent to finance the installation as well as the strategies for optimizing the use of these new bond tools. For more information see: <http://financere.nrel.gov/finance/content/first-known-use-qecbs-will-save-yolo-county-least-87-million-over-next-25-years> . *Source: Renewable Energy Project Finance Analysis at NREL, 2/17/11*

## ***Wind Powering America: Anemometer Loan Interactive Map: Live!***

Wind Powering America posted a newly developed [interactive map](#) to make available wind data collected from its Native American anemometer loan program and the Western Area Power Administration anemometer loan program. The map shows the locations where anemometer data collection is complete and reports and data are available.

Currently 21 of 70 sites are posted. We expect to add 10 sites per year after the initial group of 70.

For most sites, data consist of wind speed and direction data collected at a height of 20 meters (66 feet). For a handful of locations, data were collected from multiple heights using taller towers. The notes for each location give details on the instrument configuration. For each monitoring site, the following types of files may be available.

Meteorological data reports are available for all sites. These reports include diurnal and annual profiles, wind

direction roses, wind speed frequency histograms, and turbulence roses and plots. *Source: Wind Powering America*

## ***On-Farm Renewable Energy Production Shows Tremendous Growth***

### **USDA Releases Results of On-Farm Renewable Energy Production Survey**

The number of solar panels, wind turbines and methane digesters on America's farms and ranches has increased significantly over the past decade and there are now 8,569 operations producing their own renewable energy, according to the results of the 2009 On-Farm Renewable Energy Production Survey released today. Conducted by the U.S. Department of Agriculture's National Agricultural Statistics Service, this was the first-ever nationwide survey that looked at renewable energy practices on America's farms and ranches. [Read more](#). *Source: U.S. Department of Agriculture, 2/23/11*

## ***Renewable Energy Project Finance Analysis at NREL***

The Renewable Energy Project Finance community is your guide to project financing, market issues, and policies. Here's the latest [Market Insights Blog](#) from the Finance Analysis Team at the National Renewable Energy Laboratory (NREL). *Source: National Renewable Energy Laboratory, 2/25/11.*

## ***eGRID2010 Version 1.0 with Year 2007 Data Is Now Available on EPA's Website***

The [Emissions and Generation Integrated Resource Database](#) (eGRID) is a comprehensive source of data on the environmental characteristics of almost all electric power generated in the United States. eGRID2010 Version 1.0 contains year 2007 information along with years 2005 and 2004 data (unchanged from eGRID2007 Version 1.1). Data are presented at the boiler, generator and plant level. Aggregated data are presented by state, electric generating company, parent company, power control area, eGRID subregion, NERC region, and the nation.

Emissions and emission rates data are provided for nitrogen oxides, sulfur dioxide, carbon dioxide, methane, and nitrous oxide.

State import-export files, a technical support document, a file structure document, summary tables, eGRID subregion greenhouse gas output emission rates, representational maps of NERC regions and eGRID subregions, and release notes are included in this edition of eGRID. *Source: Environmental Protection Agency, 2/24/11*

## ***Learn about the Bioenergy Knowledge Discovery Framework***

On Feb. 8, the U.S. Department of Energy's Biomass Program hosted a Webinar to present an overview of its Bioenergy Knowledge Discovery Framework (KDF) system, demonstrate its user interface, and provide case studies of how it may be used. [Recordings of the webinar and copies of the slide presentation](#) are now available. Click on the "Watch the Webinar" banner and then download the files or view the recordings directly in your browser.

The Bioenergy KDF allows researchers, policymakers, and investors to share large data sets, as well as the latest bioenergy research. The KDF also facilitates collaborative production, integration, and analysis of information. Registered users are able to contribute additional data sets that can then be shared, growing the body of knowledge, better informing this growing industry, and eliminating "information silos." The KDF allows simultaneous geographic mapping of complex data sets such as biomass feedstock production, fueling stations, and biorefineries

on a national, state, and even county level basis providing the bioenergy industry an analytical tool for identifying new opportunities for research, supportive policies, and project investment.

The toolkit will continue to improve from the feedback of its user community. As you explore the KDF, please click on the "Contact" tab to share your comments and ask questions. *Source: DOE Biomass Program, 2/22/11*

### ***NREL launches PVWatts calculator***

NREL's PVWatts calculator determines the energy production and cost savings of grid-connected photovoltaic (PV) energy systems throughout the world. It allows homeowners, installers, manufacturers, and researchers to easily develop estimates of the performance of hypothetical PV installations. [Read more](#). *Source: National Renewable Energy Laboratory, 2/23/11*

### ***NREL, DOE release guidebook for community energy policy-makers***

DOE and NREL have worked with multiple states and localities to provide unbiased policy impact information and assist in the development, implementation, and evaluation of effective clean energy development policies. This document compiles lessons learned and provides a step-by-step process for implementing effective policy assistance. [Read more](#). *Source: National Renewable Energy Laboratory, 2/23/11*

### ***NREL guide covers community electricity planning***

This guide provides an overview of strategic electricity planning for communities, using a step-by-step approach to develop the plan. This method has a high chance of success, because it is based on stakeholder buy-in and political commitment. Not all communities will need to follow all steps, but the process is designed to incorporate all parties, maximize solution-based thinking, and develop a plan that can be carried out by community leaders. [Read more](#). *Source: National Renewable Energy Laboratory, 2/23/11*

### ***IREC to present at Solar Leadership Summit***

[SolarTech](#) and [Interstate Renewable Energy Council](#) to collaborate on innovative model best practices to deploy solar projects a lower costs, at scale, WITHOUT incentives!

As the price of technology drops, the cost of deployment in local markets remains too high. It's all about speed. If time is money, then public policy is the clockmaker.

In conjunction with corporate, investor, and national and state policymakers, the Interstate Renewable Energy Council and SolarTech are partnering to identify a wide spectrum of tools and best practices that improve local markets for the solar industry and for consumers. On March 29 and 30, we will go beyond old models to come up with new solutions for permitting, inspection, and interconnection, workforce readiness that will cut costs, lower risk, and accelerate deployment.

"We are very excited to work closely with IREC as a strategic partner for the third annual [Solar Leadership Summit](#)," said Doug Payne, SolarTech's co founder and Executive Director.

"SolarTech has given us the opportunity to come together to develop a workable pathway to reach reduced and

sustainable costs," said Jane Weissman, Executive Director, IREC.

You are cordially invited to join SolarTech and IREC on March 29 and 30 in Silicon Valley as we develop market based solutions to accelerate solar's permanent place in the U.S. energy mix. Be at the table and work with us to develop actionable tools in response to issues ranging from financing, permitting, performance, workforce readiness, installation, interconnection, and energy efficiency. IREC members in good standing can take advantage of a Summit discount – 20 percent off the full registration fee of \$700, good through March 15, 2011. Use this code: IREC 2011. *Source: Interstate Renewable Energy Council, 2/23/11*

## **Register now for WINDPOWER 2011**

[WINDPOWER 2011](#) will take place in Anaheim, Calif., on May 22-25, 2011. The WINDPOWER Conference & Exhibition is produced by the American Wind Energy Association (AWEA) and provides a venue for the wind energy industry to network, do business, and solve problems. Recognized as one of the fastest-growing trade shows in the U.S, WINDPOWER includes 1,400 exhibiting companies, and over 20,000 of wind energy professionals, engaging educational information and unmatched networking opportunities and special events.

This year, AWEA will again offer a focused Utility Track on wind power issues that are of particular interest to utilities. The Utility Track will be on Day Two of WINDPOWER 2011 and will have three sessions focusing on these topics:

- Long-Term Wind Power Contracts and State Policies
- Utility Resource Planning: How Utilities are Adding Wind Power
- Utility Strategies for Wind Power – Case Studies

Learn more about the [schedule of program sessions](#) at WINDPOWER 2011.

[Registration options](#) for utility members to attend WINDPOWER 2011 are based on your current membership level in AWEA. *Source: American Wind Energy Association, 2/22/11*

## **Explaining what wind energy is all about**

Take it from a reporter who covers wind energy: The issues get thorny.

Few people are against wind energy, in theory, but the placement of giant turbines has raised concerns about bird and bat deaths, noise, and, of course, aesthetics.

New Englanders can now try to understand the issues through the New England Wind Energy Education project, an eight-part webinar series and an in-person conference this spring. The most recent webinar was on shadow flicker, the alternating changes in light caused by rotating blades. [Read more](#). *Source: Boston Globe Green Blog, 2/14/11*

Learn more about [education and outreach activities](#).

## **News from Washington**

## ***Department of Energy Offers Conditional Commitment for a Loan Guarantee to Support Maine Wind Project***

U.S. Energy Secretary Steven Chu today announced the offer of a conditional commitment to Record Hill Wind LLC for a \$102 million loan guarantee. The loan guarantee will support the Record Hill wind project, which includes a 50.6 megawatt wind power plant and an eight mile transmission line and associated interconnection equipment near the town of Roxbury, Maine. Developed and managed by Wagner Wind Energy of New Hampshire and Independence Wind of Maine, Record Hill is sponsored by the Yale University Endowment fund. In addition to providing clean, renewable power to New England's grid, the sponsor expects the project to create 200 construction jobs in Maine.

"Today's announcement is good for this country's clean energy future, and it's good for the people of Maine who will benefit from the jobs generated by this project," said Secretary Chu. "Record Hill introduces an innovative technology to the U.S. that will boost domestic wind generation and help us reach President Obama's goal of doubling clean energy produced in America by 2035." [Read more](#). Source: *EERE Progress Alert*, 3/3/11

## ***Energy-Related Tax Proposals in President's 2012 Budget***

The Obama Administration last week released its proposed budget for 2012, which includes a number of revenue proposals that would have a direct impact on the financing of renewable energy projects. Some of the more significant proposals are described below. [Read more](#). Source: *Stoel Rives LLP*, 2/22/11

## ***Fact Sheet: Obama Administration FY 2012 Budget Proposal***

The Obama administration released its budget proposal for fiscal year (FY) 2012 on Feb. 14, 2011, and many of the energy goals contained in President Obama's State of the Union speech a month earlier were reflected in the proposal. In his speech, Obama stressed the need to make investments in science, research, and innovation as a way to create jobs, grow the economy and position the country to lead in clean technology development. [Read more](#). Source: *Environmental and Energy Studies Institute*, 2/14/11

## ***President Sets Better Buildings Initiative for Energy Efficiency***

Following his call in his State of the Union for clean energy advances, President Obama proposed on Feb. 3 new efforts to improve energy efficiency in commercial buildings across the country. His "Better Buildings Initiative" will aim to make commercial buildings 20 percent more energy efficient over the next decade, and it could reduce energy bills by about \$40 billion at today's prices. Through a series of incentives, the plan will encourage private-sector investment to upgrade all types of buildings ranging from offices and schools to universities and hospitals. In 2010, commercial buildings consumed roughly 20 percent of all energy in the U.S. economy. [Read more](#). Source: *DOE Office of Energy Efficiency and Renewable Energy*, 2/9/11

## ***Department of Energy Supercomputer Helps Design More Efficient Big Rigs***

### **"Jaguar" Supercomputer used to improve aerodynamics of long haul tractor trailers**

BMI Corporation, a company in South Carolina, in partnership with the Department of Energy's Oak Ridge National Laboratory (ORNL) has successfully developed a technology that will make semi trucks more fuel efficient with the

potential to save millions of gallons of fuel. Utilizing the nation's most powerful computer, BMI Corp designed a SmartTruck UnderTray System, a set of integrated aerodynamic fairings that improve the aerodynamics of 18-wheeler (Class 8) long-haul trucks. If all 1.3 million Class 8 trucks in the U.S. were configured with these components, companies could achieve annual savings of 1.5 billion gallons of diesel fuel—approximately equal to \$5 billion in costs—and reductions of CO<sub>2</sub> by 16.4 million tons. [Read more](#). Source: U.S. Department of Energy, 2/8/11

## **President's Energy Budget Invests in Innovation, Clean Energy, and National Security Priorities**

### **DOE also making tough budget choices and instituting management reform efforts to save taxpayer money**

U.S. Secretary of Energy Steven Chu today detailed President Barack Obama's \$29.5 billion Fiscal Year 2012 budget request for the Department of Energy, emphasizing that it is part of an Administration-wide plan to win the future by out-innovating, out-educating and out-building the rest of the world. At the same time, the FY 2012 makes tough choices, cutting programs and expenses to underscore the Administration's commitment to fiscal responsibility and shared sacrifice. [Read more](#). Source: DOE Office of Energy Efficiency and Renewable Energy, 2/14/11

Learn more about [national activities](#).

## **State Activities, Marketing & Market Research**

### **Just the facts: Workforce Education Conference Covers a Lot of Ground**

The [4th National Clean Energy Workforce Education Conference](#) is taking place in Saratoga Springs, New York from March 8-10, 2011. If you are involved with training the clean energy workforce or planning to, this is an event you don't want to miss. [Register today](#). Source: Interstate Renewable Energy Council, 2/22/11

### **EERE State News Monthly Report**

#### **February 1 - February 28, 2011**

The U.S. Department of Energy Office of Energy Efficiency and Renewable Energy (EERE) publishes this summary of news stories posted the past month on the [EERE State Activities & Partnerships](#) Web site. EERE collects news stories dealing with state involvement in renewable energy and energy efficiency projects from EERE technology program Web sites, the State Energy Program, and [EERE Network News](#).

- [DOE Supports Oregon Solar Manufacturing Project](#)  
Feb. 23—SoloPower, Inc. is getting a \$197 million conditional loan guarantee to support a building retrofit and equipment installation for a thin-film solar panel manufacturing facility in Oregon, DOE has announced.
- [Missouri Regulators Adopt New Energy Efficiency Investments Rules](#)
- Feb. 18—The Missouri Public Service Commission has adopted new rules which are designed to encourage the state's four investor-owned electric utilities to implement more energy efficiency programs to help

consumers control their energy use.

- [DOE Finalizes Loan Guarantee for New Transmission Project in Southwest](#)

Feb. 16—DOE has announced that it has finalized a \$343 million loan guarantee, supported by the American Recovery and Reinvestment Act, to develop the One Nevada Transmission Line, which will carry 600 megawatts of electricity including renewable energy power.

- [BOEMRE Preparing Assessment for Offshore Wind in the mid-Atlantic](#)

Feb. 18—Public comment is being sought mid-Atlantic offshore wind development is being accepted through March 11, the Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE) has announced.

- [DOE Offers Loan Guarantee to Boost Advanced Biofuels](#)

Feb. 13—DOE has announced a conditional commitment to Diamond Green Diesel, LLC, for a \$241 million loan guarantee. The guarantee will support the proposed joint venture to build a 137-million gallon per year renewable diesel facility in Louisiana.

Source: *EERE Energy Network News*, 3/1/11

## ***PSC's wind siting rules expected to be overturned***

Statewide standards for siting wind power projects adopted last year by state energy regulators, but opposed by Republican Gov. Scott Walker, may be blocked from taking effect Tuesday.

The state Legislature's Joint Committee for Review of Administrative Rules has scheduled an executive session for 10:30 a.m. Tuesday in Madison.

The meeting is scheduled for the same day that the new rules—which set standards for noise from wind turbines, shadow flicker and distance turbines can be from homes—were scheduled to take effect. [Read more](#). Source: *Milwaukee Journal Sentinel*, 2/28/11

## ***Around the States: California Legislation, Offshore Wind Incentives, Montana Republicans***

The California State Senate on Thursday approved [clean energy jobs](#) legislation that would give the state the most ambitious renewable energy requirement in the country, according to the Union of Concerned Scientists (UCS). The bill (SBX1 2) would require California utilities to obtain at least 33 percent of their electricity from clean renewable sources, such as the wind and sun, by 2020. [Read more](#). Source: *Sustainable Business News*, 2/25/11

## ***Consumers Energy updates renewable energy plan***

### **State's Largest Renewable Energy Provider Lowers Costs to Customers by \$55 Million a Year**

Consumers Energy has updated its renewable [energy plan](#) to reflect the latest market conditions and proposes lowering costs for electric customers by about \$55 million per year. The utility has filed its updated plan for review by the Michigan Public Service Commission (MPSC).

The revised plan reflects changing economic conditions, improvements in wind turbine technology, acceleration of renewable [energy projects](#), and the extension of the production tax credit. The updated plan calls for a reduction in

a renewable energy surcharge applied to customer bills, subject to MPSC approval. [Read more](#). Source: *Sacramento Bee*, 2/25/11

## **Large Wind Farm Opens In Minnesota**

A substantial wind farm in southern Minnesota has begun commercial operations this month. Owned and operated by Wisconsin Power and Light (WPL), a subsidiary the Alliant Energy Corporation, the Bent Tree Wind Farm has the capacity to generate 201 megawatts of power producing at full capacity.

The second of such farms, WPL also maintains the [Cedar Ridge Wind Farm](#), a project north of Milwaukee capable of a 68 MW output. The Bent Tree Wind Farm, however, is expected to double the output of Cedar Ridge by using 122 V82 turbines, spread out over an area of 32,500 acres, with each able to produce 1.65 MW of electricity. At peak power, Bent Tree will be able to power somewhere in the neighborhood of 50,000 homes. [Read more](#).

Source: *Earth Techling*, 2/25/11

## **Crane & Co. To Use Biomass**

While North County groups fiercely battle over a development of a 29.5 megawatt biomass plant just over the border in Pownal, Vt., Crane & Co. announced it will develop its own plant.

Crane is partnering with multiple firms to build a \$80 million biomass plant to power its paper-making facility and claims it will bring up to 100 new jobs to the region.

"For more than two centuries, Crane & Co. has worked to innovate at the highest level while keeping our environmental impact at a minimum," said Charles Kittredge, CEO of Crane, in a press release. [Read more](#).

Source: *iBerkshires*, 2/26/11

## **PG&E launches 50MW of new PV projects**

In addition to soliciting cost-effective projects from green power developers, Pacific Gas and Electric Company (San Francisco, California) has started building its own clean generation facilities in the Central Valley. The utility has purchased sites and selected developers for three solar photovoltaic (PV) plants near Fresno, totaling 50 megawatts of capacity. Construction should begin this month and be substantially complete in Q3. [Read more](#).

Source: *SolarServer*, 2/26/11

## **Solar powers up former stockyards**

Wisconsin's first solar panel factory has opened in the Menomonee River Valley, on the site of stockyards that contributed to the city's leadership in the meatpacking and processing industries more than 100 years ago.

Later this year, solar panels will go up on the roof of the building that replaced the stockyards, and the panels will be made downstairs in Steve Ostrenga's factory.

Privately held Helios USA started making robots this month, using an automated production line to build high-efficiency solar panels. The goal: to help put an emerging, 21st-century industry on the map in the state. [Read more](#). Source: *Milwaukee Journal Sentinel*, 2/26/11

## ***Native American groups sue to stop solar projects***

Native Americans are clashing with the federal government over plans to fast-track approval and construction of massive solar energy projects that the Indians fear will harm sacred and culturally significant sites in Western deserts.

Recent lawsuits by two native groups pose a threat to half dozen proposed solar developments that the Obama administration has identified as a high priority in its quest for more clean energy production. One suit already has halted work on a major solar farm in Southern California. [Read more](#). *Source: Atlanta Journal-Constitution, 2/27/11*

## ***California Senate OKs renewable energy bill***

The state Senate acted Thursday to require California utilities to boost their use of wind, solar and other renewable energy sources to a third of total supply by the year 2020.

California law already requires utilities to get a fifth of their power from renewable energy. If this measure becomes law, utilities will be forced to lean even more heavily on green power — improving air quality and helping the economy in the process, supporters said. "Right now we can begin to create the jobs that this state so desperately needs," said state Sen. Joe Simitian (D-Palo Alto), the bill's author. [Read more](#). *Source: Los Angeles Times, 2/25/11*

## ***42 mph wind tops records at wind farm near Rawlins***

It's no secret that Wyoming has world-class wind.

But when engineer Ryan Jacobson saw the data from the prospective wind farm location near Rawlins, even his 15 years of experience in the industry couldn't mute his surprise.

42 mph, he read.

And that speed wasn't a gust but an average speed for the month of January. That's the highest average in more than three years worth of testing, he said. [Read more](#). *Source: Caspar Star-Tribune, 2/27/11*

## ***Official hopes firms will put turbines in Gulf of Maine***

Middle East instability may be one reason more people than expected attended or tuned in online Tuesday to a wind power developers conference at the [University of Maine](#).

As popular uprisings have broken out in Bahrain, Egypt, Libya, Tunisia and elsewhere, the price of oil has been rising, pushed up by uncertainty over how the instability will affect oil production. The volatility of oil prices, according to state and federal officials, is a major reason the potential for offshore wind power development in the Gulf of Maine is getting a lot of attention. [Read more](#). *Source: Bangor Daily News, 2/22/11*

## ***California PUC staff question economics of utility renewable deals***

In its zeal to satisfy California's renewable portfolio standard, the state's Public Utilities Commission has approved

nearly every renewable power supply contract filed by investor-owned utilities, even when the contracts are not economic, the PUC's consumer advocate said on Friday.

The PUC's division of ratepayer advocates said that that commission should be more discriminating in examining utility contracts for renewable resources, and establish a clear cost reporting requirement for those deals. [Read more](#). *Source: Platts, 2/22/11*

## **State Energy Programs and Their Economic Impacts**

On Feb. 2, 2011, the Environmental and Energy Study Institute (EESI) held a briefing on how state governments have implemented energy programs, and the economic development activities associated with those programs. State officials discussed the State Energy Program (SEP) and the Weatherization Assistance Program (WAP), and how these programs have helped create jobs and reduce energy bills for Americans. [Read more](#). *Source: Environmental and Energy Study Institute, 2/22/11*

## **Utilities' renewable energy pacts expensive**

Since 2002, California's utilities have committed to spend about \$6 billion more on renewable power contracts than they would have paid to buy the electricity from new power plants burning natural gas, according to a state report issued Friday. [Read more](#). *Source: San Francisco Chronicle, 2/19/11*

## **Regional WPA Meetings: Coming Soon to a City Near You**

Based on discussions at and following the annual All-States Summit, [Wind Powering America](#) is planning a series of single-day regional meetings in March to identify current market barriers and solutions and to discuss potential regional collaboration. More information about the meetings will follow soon.

- Alaska/Pacific Islands – Anchorage, Alaska; March 11 (tentative)
- Southwest – Las Vegas, Nev. March 14
- Mid-Atlantic – Washington, D.C. March 16
- Great Lakes – Ann Arbor, Mich. March 18
- Northeast – Boston, Mass. March 22
- Northwest – PNNL, Richland, Wash. March 25 (tentative)
- Plains – Lincoln, Neb.; March 29

*Source: Public Renewables Partnership, 2/17/11*

## **California Can Become Leading 'Patriot' State by Kicking Oil Addiction, Report Shows**

A group of national security experts, foreign relations leaders and CEOs released a report today highlighting the price California pays for being addicted to foreign oil and shows how we can reduce that dependence.

A complementary opinion piece in today's San Jose Mercury News states that California depends on oil for 93 percent of its transportation needs, more than half of which comes from outside the state and a 'large portion of which comes from the politically volatile Persian Gulf.'

The authors, a Stanford professor and a partner in a leading clean tech venture capital firm, get it exactly right and

point out what we know intuitively: energy prices spike regularly and hurt California's economy. [Read more.](#)

Source: FavStocks, 2/16/11

Learn more about [energy analysis](#).

## Grants, RFPs & Other Funding News

### **DOE Issues Power Purchase Agreement Request for Information**

The U.S. Department of Energy (DOE) issued a request for information (RFI) for Federal agency power purchase agreement (PPA) projects. The RFI aims to identify PPA barriers and seeks private sector input regarding how best to address these barriers.

[Additional information and the RFI file](#) are both available at FedBizOpps under solicitation number DE-SOL-0002728.

Questions are due by March 9, 2011. Responses are due by April 11, 2011. Source: *Federal Energy Management Program*, 3/2/11

### **EWEB offering green energy grants**

#### **The \$100,000 in funding is aimed at development of renewable power, education and research**

The Eugene Water & Electric Board has \$100,000 to award for a renewable energy project and is inviting schools, governments and nonprofit groups to apply for the funds.

The money comes from the public utility's customers, who pay a premium on power from renewable sources such as wind generation, in order to create the energy project fund.

Customers can buy into the Greenpower program in \$1.50 or \$10 blocks or they can pay an extra penny per kilowatt-hour on their entire bill. Despite the recession, the Greenpower program has remained popular with a small percentage of the utility's customers, with about 3,300 people, or about 4 percent, paying extra. [Read more.](#)

Source: *The Register-Guard*, 2/23/11

### **Oregon Solar Panel Maker Scores \$197 Million Loan Guarantee**

The US [Department of Energy's](#) (DOE) Loans Program Office is fast becoming the world's leading green bank, guaranteeing \$26 billion in loans for 23 separate clean and [renewable energy](#) projects across the continental USA - creating and securing over 58,000 jobs throughout 19 states in the process.

It's an impressive achievement for a bureaucracy - particularly in America, where government intrusion into the private sector is at times unwelcome. Part of the USA's Recovery Act response to the global financial crisis, the DOE's loan guarantee fund has bankrolled enough clean energy to power 3.5 million homes, over 41 million megawatt-hours of green power. [Read more.](#) Source: *Energy Matters*, 2/22/11

## **Wind Power Drivetrain Development**

The U.S. Department of Energy requests [proposals for U.S. Wind Power: Next Gen Drivetrain Development](#). Through this RFP, DOE seeks applications to advance the current state-of-the art in wind turbine drivetrains by developing concepts and designs for the next generation of drivetrain systems. \$7.5 million expected to be available, up to six awards anticipated. Letters of Intent are required and are due March 7, 2011; final proposals due April 1, 2011. For more information, contact [Jane Sanders](#). Refer to Sol# DE-FOA-0000439. *Source: Grants.gov, 2/7/11*

## **Removing Market Barriers to Offshore Wind**

The U.S. Department of Energy requests [proposals for U.S. Offshore Wind: Removing Market Barriers](#). Areas of interest include: Offshore Wind Market and Economic Analysis; Environmental Risk Reduction; Manufacturing and Supply Chain Development; Transmission Planning and Interconnection Studies; Optimized Infrastructure and Operations; Resource Characterization and Design Conditions; Impact on Electronic Equipment in the Marine Environment. \$18 million expected to be available, up to 24 awards anticipated. Letters of Intent are required and are due March 11, 2011, preliminary proposals due March 25, 2011, and final proposals due June 10, 2011. For more information, contact [Fania Gordon](#). Refer to Sol# DE-FOA-0000414. *Source: Grants.gov, 2/7/11*

## **Offshore Wind Technology Development**

The U.S. Department of Energy requests [proposals for U.S. Offshore Wind: Technology Development](#). Through this RFP, DOE seeks proposals which address Technology Development through Modeling & Analyses Tools to Assess Offshore Wind Technologies and Innovative Hardware System Concepts. \$5.1 million expected to be available, up to eight awards anticipated. Pre-applications are required and are due April 1, 2011, final proposals due June 17, 2011. For more information, contact [Kerry Hebert](#). Refer to Sol# DE-FOA-0000415. *Source: Grants.gov 2/7/11*

## **Strategic Energy Technologies**

The Defense Advanced Research Projects Agency (DARPA) has issued a [Broad Agency Announcement for Strategic Technologies](#). Areas of interest include, but are not limited to: Energy and self-sufficient operations: novel low-weight/high-efficiency power generator technologies; power-harvesting technologies and devices; energy-related power systems and portable power technologies; geothermal energy systems; large-scale efficient energy storage; large-scale efficient hydrogen storage; regenerative or reverse solid oxide fuel cells; and fuel-flexible generators. Responses accepted to Sept. 7, 2001. For more information, contact [DARPA](#). Refer to Sol# DARPA-BAA-10-83. *Source: Grants.gov 2/9/11*

## **Energy Demonstrations**

The U.S. Department of Defense seeks [proposals for demonstration of energy technologies at DoD installations](#). Areas of interest include: Smart micro-grids and energy storage to increase energy security installations; renewable energy generation; advanced-component technologies to improve building energy efficiency; advanced building energy management and control; and tools and processes for design, assessment and decision-making Associated with Energy Use and Management. Pre-proposals due March 24, 2011. For more information, contact [Deborah Sheehan](#). Refer to FY12 ESTCP Energy New Start Proposals. *Source: Green Power*

Network 2/11/11

## ***New Federal Funding Opportunities for Tribal Energy Projects and More***

The U.S. Environmental Protection Agency (EPA), the U.S. Department of Commerce (DOC), the Department of Housing and Urban Development (HUD), and the Department of Transportation (DOT) have announced more than \$228 million in current or upcoming funding opportunities for state, local, and tribal governments. These grants can be used to support climate and energy initiatives, including energy efficiency, regional planning, and community education. [Read more](#). *Source: DOE EERE Tribal Energy Program, 2/18/11*

Learn more about [funding solicitations](#).

This news item comes to you as a service of Western's [Renewable Resources Program](#).

*Western Area Power Administration, 12155 W. Alameda Parkway, Lakewood, Colorado, 80228-8213,  
Phone: 720-962-7423; Fax: 720-962-7427; E-message: [Randy Manion](#).*

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