

GreenPower

News

An update from Western's Renewable Resources Program covering green power, reports and studies and funding.



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Source: EPA Green Power Partnership, 3/10/14

2014 Green Power Leadership Awards Application Period Now Open!

DEADLINE: April 7, 2014

The annual Green Power Leadership Awards are competitive awards that recognize outstanding commitments and achievements in the green power marketplace. EPA's Partner Awards (formerly, Purchaser Awards) recognize leading Green Power Partners and Communities that have helped further the green power market through their green power purchase or use of on-site renewable energy applications, overall green power strategy, and impact on the green power market. EPA's Supplier Awards highlight the accomplishments of green power suppliers (utilities, retail suppliers, REC marketers, and renewable energy project developers) that are leaders in the voluntary renewable energy market. [Read more.](#)
Source: EPA Green Power Partnership, 2/24/14

Celebrating the Completion of the World's Largest Concentrating Solar Power Plant

Today, I'm traveling to southern California to participate in the dedication ceremony for the Ivanpah Solar Electric Generating System. As the largest concentrating solar power (CSP) plant in the world, Ivanpah harnesses the abundant sunlight of the Southwest United States to provide power on a massive scale. The facility has the capacity to generate 392 megawatts (MW) of clean electricity—enough to power 94,400 average American homes. Most of the power generated by the system will be sold under long-term power purchase agreements to Pacific Gas & Electric and Southern California Edison Company.

The successful completion of Ivanpah underscores America's growing leadership in the global solar industry. As President Obama highlighted during his State of the Union address, more Americans are relying on solar energy to power their homes and business than ever before. In the last five years alone we have doubled the amount of energy we produce from this vital, renewable resource. [Read more.](#) *Source: DOE Blog, 2/13/14*

The state of geothermal energy

The United States currently leads the world's countries in installed geothermal energy capacity and continues to be one of the principal countries to increase the development of its geothermal resources.

In 2007 geothermal energy accounted for 4 percent of renewable energy-based electricity consumption in the United States.

As of March 2011, geothermal electric power generation is occurring in nine US states: Alaska, California, Hawaii, Idaho, Nevada, New Mexico, Oregon, Utah, and Wyoming. Other states, such as Colorado, Louisiana, Mississippi, and Texas are soon to be added to the list. The United States has a total installed capacity of about 3,102 MW.

In 2010 one company, Nevada-based Ormat Technologies, brought its 15 MW Jersey Valley power plant online later in the year. The Jersey Valley power plant is located in Pershing County, Nevada and its completion increased installed geothermal capacity in that state to about 442 MW. [Read more.](#) *Source: Electric Light and Power Newsletter, 3/30/11*

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

Reports, studies and policy

Presentations from Feb. 25 'Incorporating Solar' webinar now available

The webinar slides and recording from the Green Power Network webinar, [Incorporating Solar in Green Power Offers from Coast to Coast](#) are now posted. Thanks again to the speakers, [Leslie Brown](#) of Silicon Valley Power and [Jay Carlis](#) of Community Energy. Please reach out to them directly if you have additional questions. *Source: National Renewable Energy Laboratory, 2/27/14*

NREL Examines Solar Policy Pathways for States

The Energy Department's National Renewable Energy Laboratory (NREL) has published a report that aligns solar policy and market success with state demographics. By organizing the 48 contiguous states into four peer groups based on shared non-policy characteristics, the NREL research team was able to contextualize the impact of various solar policies on photovoltaic (PV) installations. [Read more](#). *Source: National Renewable Energy Laboratory, 2/26/14*

World-Class JASON Study Highlights Huge Potential for EGS

A new study commissioned by the Energy Department's [Geothermal Technologies Office](#) (GTO) highlights the vast potential for [enhanced geothermal systems](#) (EGS) to provide clean, reliable, and sustainable energy to American homes and businesses.

The conclusions of the [JASON study](#) support GTO's [long-term strategic trajectory for EGS development](#), which includes using EGS at existing hydrothermal fields and eventually deploying the technology nationwide. The findings suggest this approach has potential to access 5 to 10 gigawatts of additional electricity in the near-term, with a pathway towards unlocking a significantly larger resource as the industry overcomes key technical challenges.

JASON—an independent advisory group of world-class scientists that has historically consulted with the federal government on science and technology—conducted a comprehensive analysis of opportunities for widespread development and deployment of EGS technologies. [Read more](#). *Source: DOE EERE Geothermal Technologies Office 2/21/14*

Find more [publications and webinars](#).

Funding

U.S. Utility-Scale Solar 60 Percent Towards Cost-Competition Goal

The Energy Department announced today that the U.S. solar industry is more than 60 percent of the way to achieving cost-competitive utility-scale solar photovoltaic (PV) electricity. To help continue this progress, the Energy Department announced \$25 million in funding to strengthen U.S. solar manufacturing for photovoltaic and concentrating solar power (CSP) technologies and to maintain a strong domestic solar industry. [Read more](#).

Source: DOE EERE Tribal Energy Program, 3/11/14

Energy Department Announces Funding to Improve the Resiliency of the Electric Grid

In support of the President's State of the Union address and Climate Action Plan, the Department of Energy is committed to working with officials and communities at the state, local, and tribal level to strengthen and modernize our critical energy infrastructure, diversify our energy portfolio, and improve the resilience of our electric grid in the face of extreme weather events and other potential disruptions. As part of that commitment, the Energy Department is offering up to \$7 million to advance the design of technologies that will help communities become more adaptive and prepared for power outages caused by severe weather and other events. [Read more](#). *Source: DOE EERE Tribal Energy Program, 3/11/14*

Grants Available for Greenhouse Gas and Pollution Prevention Effort

The U.S. Environmental Protection Agency's (EPA) Source Reduction Assistance Grants provide funding for projects that reduce or eliminate pollution at the source. EPA seeks to support initiatives that: reduce greenhouse gases; reduce hazardous materials; increase resource conservation; promote efficient business practices; and support pollution prevention integration. EPA anticipates having more than \$1 million in funding available in 2014. Eligible entities include states, local governments, school districts, higher education institutions, non-profit organizations, and tribes. The deadline for applications is March 11, 2014. [Read more](#). *Source: DOE EERE Tribal Energy Program, 3/11/14*

Grants Available to Support Economic Development Projects

The Economic Development Administration's Economic Development Assistance Program provides grants to support job creation in economically distressed areas of the United States, which also support green economic development, including renewable energy, green building, energy efficiency, and recycling projects. [Read more](#). *Source: DOE EERE Tribal Energy Program, 3/11/14*

Find more [funding sources](#).