

GreenPower

News

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

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Green Power

Catch Green Power Partnership webinar online

EPA Green Power Partnership presented a webinar on Green Power Use and Opportunities for Sports Teams and Venues. The webinar was a useful examination of how and why sports teams and venues use green power, the benefits of and best practices for procuring renewable energy, and the positive role teams and venues can play in encouraging green power use by fans, peers and the public.

If you missed the webinar, [presentations](#) are posted to the GPP website. An additional introductory presentation on EPA's Green Power Partnership is available online.

Don't forget to register for the upcoming webinar, [Gaining a Green Marketing Advantage: Data-Driven Insights into Today's Green Consumer](#), Wednesday, Jan. 15, 1–2 P.M. Eastern Time. *Source: EPA Green Power Partnership, 12/13/13*

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

Reports, studies and policy

Study analyzes value of home PV system on real estate market

Lawrence Berkeley National Laboratory has announced the publication of a new report, "Exploring California PV Home Premiums."

Although photovoltaic (PV) penetration in the United States is increasing rapidly, properly valuing homes with PV systems remains a barrier to PV deployment. Previous studies show that PV homes command sales price premiums. Still, some appraisers and other home valuers assign no value to a home's PV system, and those who do often cannot find comparable home sales to help determine the PV premium. This has spurred the development of alternative methods of valuing PV homes, including the use of an income approach (based on the present value of PV energy produced over its useful lifetime) and the replacement cost approach (based on the present installed cost equivalent of the PV system). However, those approaches have just begun to be validated against actual market premiums. Moreover, the drivers underlying PV home premiums are not well understood, which may deter some appraisers from assigning value to PV systems.

This study, which builds on a previous study conducted by the same authors (Hoen et al., 2011), helps fill both of those gaps by: 1) using regression analysis to examine actual PV home sales price premiums from a large dataset of California PV homes; 2) exploring the sensitivities of those estimated premiums to the size and age of the installed PV system at the time of home sale, and 3) comparing the actual premiums to predictions made with the income and cost approaches.

Download the full new [2013 report](#). *Source: Lawrence Berkeley National Laboratory, 12/12/13*

Energy Systems Integration eNewsletter

[Happy holidays](#), and welcome to another issue of the Energy Systems Integration eNewsletter, the quarterly—and soon to be monthly—eNewsletter for energy systems integration (ESI) at the National Renewable Energy Laboratory (NREL). In the coming months, you'll begin to hear from us more frequently, but in smaller doses as we retool our newsletter and accompanying website to better represent the scope of work being done in the area of ESI, both at NREL and globally. Each month, we will bring you updates from NREL and our partners on the latest ESI developments worldwide. Plus, we'll highlight new ESI-related opportunities emerging in the fields of technology, science, policy, and markets.

Have an item for the next issue of the ESI eNewsletter? [Email us](#).

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Source: National Renewable Energy Laboratory, 12/11/13

IREC's 2013 Updates & Trends Annual Report

Released at Solar Power International 2013, this report offers an expansive collection of updated models, new best practices, and higher-ground training standards, and provides independent insight on the latest issues in the renewable energy and energy efficiency marketplace. In addition to delving into the latest trends, and the next challenges and solutions in play in the most progressive states, the publication shares highlights from nearly 20 major reports published by IREC this year. Download from [IREC Publications](#) under Market Trends & Analysis. *Source: Interstate Renewable Energy Council, 11/5/13*

SAPC Standard Contracts Now Available

The Solar Access to Public Capital (SAPC) working group has completed development of standard residential lease and commercial power purchase agreement (PPA) contracts available for use by developers, customers, and third-party finance providers in the solar industry. These documents are designed to improve consumer transparency, reduce transaction costs in the solar asset contracting process, and facilitate the pooling of the associated cash flows so that they may be securitized and sold in the capital markets. [Read more](#). *Source: National Renewable Energy Laboratory, 11/5/13*

Find more [publications and webinars](#).

Funding

Renewable Energy Certificate RFP Announced

[Requests for Proposal](#) (RFPs) for renewable energy certificates (RECs) and associated services have recently been issued by the Green Schools Alliance.

To help accelerate the adoption of renewable energy by pre-K-12 schools, the Green Schools Alliance, a global network of more than 3,000 pre-K-12 schools, has created and launched the Green Schools Renewable Energy Purchasing Consortium (the consortium) with support from the EPA's Green Power Partnership. The consortium is an international group of pre-K-12 schools joined together to collectively purchase renewable energy for their facilities.

There are currently 22 schools interested in participating in the consortium and executing REC purchases. These schools have a combined annual electricity demand of nearly 55 million kilowatt-hours (kWh). These institutions are generally interested in purchasing RECs to cover between 20 percent and 100 percent of their annual electricity use, resulting in a purchase of more than 15 million kWh.

The RFP seeks proposals that also include community and curriculum support for schools, and promotional support for schools and the consortium.

Responses to the RFP are due by 5:00 pm EST on Monday, Jan. 6, 2014. *Source: Green Power Partnership, 11/19/13*

Tribal Energy Program Launches New Funding Opportunities Database for Tribes

The Tribal Energy Program website has added a new feature highlighting the latest funding opportunities available to tribes at a glance. Our new funding opportunities database lists hundreds of millions of dollars in funding opportunities available to state, local, and tribal governments. For full eligibility and application details, please visit the links provided below.

- [DOI Water and Energy Efficiency Grants](#)
Applications Due: January 23, 2014
- [EDA Economic Development Assistance Programs Federal Funding](#)
Applications Due: March 14, 2014
- [EPA Brownfields Grants](#)
Applications Due: January 22, 2014
- [USDA Rural Development Value Added Producer Grants](#)
Applications Due: February 24, 2014

[Read more](#). Source: DOE Tribal Energy Program, 12/15/13

SunShot Incubator Program announces round 9 funding

The Department of Energy (DOE) is supporting the development of tools and approaches that will significantly reduce the costs for solar energy systems across all technology areas, including photovoltaics, concentrating solar power, power electronics, and balance of system and non-hardware cost such as customer acquisition permitting, financing, interconnection, and inspection. As part of the SunShot Incubator program, this funding opportunity is designed to help startup businesses and entrepreneurs develop technologies, innovative programs, and streamlined processes that will make solar more accessible for consumers in the United States.

Deadline is Jan. 13, 2014. [Read more](#). Source: DOE SunShot Program, 11/19/13

SCCPA accepts RFPs for demonstration of innovative technologies

The Southern California Public Power Authority (SCPPA) has released its latest Request for Proposals (RFP) related to the demonstration of innovative and emerging electric technologies, measures and products.

SCPPA is a joint powers authority with 12 Member utilities including the cities of Anaheim, Azusa, Banning, Burbank, Cerritos, Colton, Glendale, Los Angeles, Pasadena, Riverside, Vernon, and the Imperial Irrigation District.

The Innovative Technologies RFP is open to public and private entities including schools, research institutes and development firms. SCPPA will begin accepting Responses to the RFP immediately. The deadline is open-ended.

The RFP is intended to provide partial funding for the demonstration of innovative technologies related to the efficient use, storage, management, distribution, or generation of electric energy that are not already commercially-available at scale. Currently, there is no project-specific budget amount. However, the RFP Program budget in total is limited. Therefore, SCPPA will review all Responses to the RFP and determine, at its sole discretion, the Project(s) that are deemed to best meet our goals and expectations. [Read more](#). *Source: Southern California Public Power Authority, 11/20/13*

Energy Department Invests Over \$7 Million to Deploy Tribal Clean Energy Projects

As part of the Obama Administration's commitment to strengthening partnerships with Tribal nations and building stronger, more resilient communities that are better prepared for a changing climate, the Energy Department today announced nine tribal clean energy projects to receive more than \$7 million. Highlighted during the 2013 White House Tribal Nations Conference, these awards will help American Indian and Alaska Native tribes deploy clean energy projects—saving these communities money, enhancing their energy security and creating new job and business opportunities. [Read more](#). *Source: DOE Office of Energy Efficiency and Renewable Energy, 11/14/13*

Energy Department Invests \$12 Million to Slash Red Tape and Speed Solar Deployment for Homes and Businesses

As part of the Obama Administration's efforts to ensure America's continued leadership in clean energy and double renewable electricity generation once again by 2020, the Energy Department today announced eight teams to spur solar power deployment by cutting red tape for residential and small commercial rooftop solar systems. As part of the Department's Rooftop Solar Challenge, these teams will receive about \$12 million—matched by over \$4 million in outside funding – to streamline and standardize solar permitting,

zoning, metering and connection processes for communities across the country.

“Responsible development of all of America’s rich energy resources is an important part of President Obama’s Climate Action Plan and will help ensure America’s continued leadership in clean energy,” said Energy Secretary Ernest Moniz. “Today, solar modules cost about one percent of what they did 35 years ago, and permitting and interconnection are an increasingly large portion of overall solar system costs. Through the Rooftop Solar Challenge, the Energy Department is helping to make the deployment of solar power in communities across the country faster, easier and cheaper – saving money and time for local governments, homeowners and businesses.” [Read more.](#)

Source: Department of Energy, 11/6/13

Find more [funding sources](#).

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