

U.S. Department of Energy Sustainability Performance Office DOE Sustainability SPOTlight

Issue 2 October 2011

Reporting Milestones

Metering

Per DOE's 2010 SSPP, DOE sites are submitting new or updated metering plans.

Best practices include:

- Analysis of practicality and cost-effectiveness;
- Summary tables of scheduled metering by building;
- Plans on how to use the information generated and;
- Financial plans, such as the use of ESPC, third party funding, and internal funds.

DOE's Forrestal Building installed electrical sub-meters to measure lighting and plug-load electricity consumption throughout the entire building. DOE HQ has an on going competition among the sub-metered sections of the building to reduce personal energy consumption. For more information see <https://powerpedia.energy.gov/wiki/Metering>.

Brookhaven National Laboratory (BNL) has been metering and billing internal offices for electricity and chilled water for decades, which proved to be the most effective method of energy conservation. Data from advanced metering is being used to establish trends in consumption and provide timely information to the consumer.

DOE Success Stories

Oak Ridge Sustainability Retrofitting

ORNL's sustainable practices in new construction are paralleled by ongoing work to retrofit existing facilities to meet LEED standards. Through operational efficiency upgrades, Building 1059 on ORNL's west campus was certified as a LEED Gold Existing Building. Applying the retrofit "template" from Building 1059 will allow ORNL to obtain future certifications for 14 identical office facilities.

In addition, water conservation projects at ORNL, such as replacing standard plumbing fixtures with low-flow alternatives and reusing rainwater for irrigation, saved 63 million gallons of water with an associated cost avoidance of \$104,700 per year.

To learn more about ORNL's sustainability efforts visit <http://sustainability-ornl.org> or contact Ann Bryant of ORNL at bryantar@ornl.gov.



Federal Electronic Challenge (FEC)

DOE recently won 15 FEC awards, 44% of the total awards for FY 2011. For more information see <http://www.federalectronicchallenge.net/winners11.htm>. Congratulations and keep up the great work!

Sustainability Superstar

Lauren Hall leads DOE HQ's hoteling pilot. Contact Lauren for more information at Lauren.Hall@hq.doe.gov. Send us your champion!



Did You Know?

DOE's goal is to ensure 95% of new purchases and contracts meet sustainable procurement requirements. Before you buy, look for EnergyStar and FEMP-rated products.

http://www1.eere.energy.gov/femp/technologies/eep_purchasingspecs.html

Upcoming Events and Milestones

Oct. 13: FEMP Federal Energy and Water Management Awards

Oct. 31 - Nov. 2:
Green Gov Symposium
<http://www.greengov2011.org/>

Nov. 1: *From Awareness to Action*,
The USDA BioPreferred® Seminars
<http://www.energyworkshops.org/BioPreferredAwarenessToAction/>

Nov. 3: DOE Sustainability Awards Ceremony

Nov. 23: FAST closes for data entry

Dec. 1: PPTRS closes for data entry

Share Your Ideas

Collaboration is key to making DOE a leader in sustainability. You can post your questions, ideas, successes and best practices on the Sustainability Sharepoint site. Browse the site at: <https://spteams1.pnnl.gov/sites/doesustainability/SitePages/Home.aspx>, or contact us for membership.



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