

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

Issue 27 November 2013

## SUCCESS STORIES

### INL Makes Big Strides for High Performance Sustainable Buildings

Over the past 12 months, INL brought 4 additional buildings into compliance with the Guiding Principles (GP) for High Performance Sustainable Buildings (HPSB). 3 buildings achieved LEED Gold while the Research and Education Laboratory (REL), pictured at right, achieved LEED Platinum. According to the US Green Buildings Council (USGBC), the REL facility is the 4th LEED Platinum commercial building in the state of Idaho and the first Platinum building at INL.



INL's Research and Education Laboratory

For more information about INL's HPSB progress, contact Chris Ischay at [christopher.ischay@inl.gov](mailto:christopher.ischay@inl.gov).

### LBNL Modernization Project Surpasses Plan for LEED Gold, Achieves Platinum



The newly renovated Building 74 at LBNL

LBNL recently received LEED Platinum certification from the USGBC for the Building 74 Modernization Project. The project involved demolition of the building's interior and building systems to strip the building back to its concrete shell. New energy efficient building systems were also installed, which are designed to exceed the ASHRAE 90.1 2004 standards by 42 percent. The 45,382 square foot building provides state of the art laboratories and offices for LBNL's Earth

Science Division. Reuse of the building's structure allowed the modernization project to exceed the initial goal of LEED Gold, while delivering a fully updated building at about 35 percent less cost than new construction.

For more information on the project visit, <http://go.usa.gov/WBnR>.

### PPPL Receives Honors From New Jersey for Outstanding Recycling Program

On October 16, 2013, the Princeton Plasma Physics Laboratory (PPPL) was recognized as the top government recycler at the annual New Jersey Recycling Symposium and Awards Luncheon. The event was co-sponsored by the State of New Jersey Department of Environmental Protection and the Association of New Jersey Recyclers. PPPL reduced municipal solid waste generation by 69 percent through education of its workforce, implementation of single-stream recycling, and other recycling enhancements.

For more information visit, [http://www.nj.gov/dep/newsrel/2013/13\\_0097.htm](http://www.nj.gov/dep/newsrel/2013/13_0097.htm).

## SUSTAINABILITY SUPERSTAR



From left to right: Johnny Moore, Norm Durfee, Curt Maxley, Teresa Nichols, Melissa Lapsa, Wayne Lin

Congratulations to the Oak Ridge National Laboratory for winning a 2013 GreenGov Presidential Award.

ORNL was presented a "Good Neighbor Award" for recent sustainability partnerships that advance sustainable campuses and EV charging.

View the [official announcement](#).

**Send us your champion!**

### FEMP Announces

#### AFFECT Grant Program

The Federal Energy Management Program (FEMP) recently issued the Assisting Federal Facilities with Energy Conservation Technologies (AFFECT) Funding Opportunity Announcement (FOA). AFFECT aims to provide direct funding to Federal agencies for the development of renewable energy and combined heat and power projects.

FEMP will be hosting an [introductory webinar](#) on November 12, 2013.

For more information on AFFECT, visit: <http://go.usa.gov/WBRz>.



**SPO Hosting SSP/CEDR Open Line Help Calls to Assist Annual Sustainability Reporting** The SPO is hosting weekly open line help calls through November 20, 2013 to assist DOE sites with completing their Site Sustainability Plans (SSP) and Consolidated Energy Data Reports (CEDR). The calls occur every Wednesday from 1:00-3:00 PM (Eastern). For more information, visit [www.sustainability.energy.gov/calendar](http://www.sustainability.energy.gov/calendar) or contact the Sustainability Performance Office at [sustainability@hq.doe.gov](mailto:sustainability@hq.doe.gov).

## UPCOMING EVENTS AND MILESTONES



(Click to view SPO Calendar) ↑

### COURSES, WEBINARS, AND EVENTS

Nov 6: [SSP/CEDR Help Line Open Call](#)  
 Nov 7: [Implementing Environmental and Energy Management Systems](#)  
 Nov 12: [FEMP FOA: AFFECT](#)  
 Nov 12: [Federal Guiding Principles Checklist in ENERGY STAR® Portfolio Manager](#)  
 Nov 13: [SSP/CEDR Help Line Open Call](#)  
 Nov 19: [Placing UESC Task Orders with the GSA Areawide Contract](#)  
 Nov 20: [SSP/CEDR Help Line Open Call](#)  
 Nov 28: [Implementing Environmental and Energy Management Systems](#)

## ON-DEMAND TRAINING

### Certifications

[GSA-Sponsored LEED Training Certification for Federal Employees](#)

### Financing

[ESPCs for Small Sites](#)

[UESCs and Energy Project Funds](#)

[Energy Savings Performance Contracting](#)

[Measurement and Verification in ESPCs](#)

### Buildings

[Commissioning for Federal Facilities](#)

[Operations, Maintenance, and Commissioning](#)

[Implementing Deep Retrofits](#)

### Water

[Water Efficiency Planning and Implementation](#)

[Stormwater Management & Water Conservation](#)

### Data Centers

[Data Center Efficiency with ASHRAE Thermal Guidelines](#)

### Fleet

[Complying with the EPA 2005 Section 701 Requirement to Use Alternative Fuel in Dual-Fuel Vehicles](#)

## SUCCESS STORIES

### LANL Holds 1st Building Energy Reduction Challenge

Los Alamos National Laboratory recently concluded its first *Building Energy Reduction Challenge*, which aimed to educate employees about behavioral influences on building energy use and the relationship between energy efficiency and site sustainability. Participating buildings shared building specific data with tenants that showed annual energy use for each personal appliance and the resulting greenhouse gas emissions.

In August, LANL recognized the Los Alamos Field Office as the winner of the inaugural challenge. The Field Office took the prize by eliminating 24 personal appliances from their offices, setting half their thermostats above 72°F, and implementing eight energy efficiency goals. Their efforts resulted in annual savings of 17 metric tons of CO<sub>2</sub> equivalent greenhouse gases and over 7,000 kWh of electricity.

For more information, contact Monica Witt at [mwitt@lanl.gov](mailto:mwitt@lanl.gov).



The Los Alamos Field Office Green Team  
 (from left to right: Cindy Casalina, Cassandra Begey, Jeff Casalina, Karen Oden)

### USE, REUSE, RECYCLE: ORNL Maximizes Recycling Opportunities

The U.S. Environmental Protection Agency estimates that containers and packaging account for more than 30 percent of all municipal waste, amounting to nearly 76 million tons per year. ORNL's Excessing and Property Sales organization (E&PS) is doing its part to reduce waste with innovative and resourceful recycling programs. In 2012, E&PS donated, transferred, and sold property totaling nearly \$12 million for reuse, substantially reducing the ORNL waste footprint.

One recent example of E&PS's recycling efforts focuses on ORNL's Titan supercomputer. Titan's components were delivered in more than 200 containers of packaging foam which were subsequently resold for recycling. E&PS also recycles old furniture, avoiding landfill costs of \$4,000 to \$6,000 per load. E&PS awards contracts that either repair the furniture for resale or recycle damaged furniture. This program produces savings of roughly \$30,000 per year in waste removal costs. In 2012, ORNL sold more than 270 tons of scrap metal, 31,000 gallons of used oils, 700 used tires, 20,000 pounds of used batteries, and 97,000 pounds of electronics. In addition, ORNL made property donations totaling nearly \$2 million to schools and non-profit organizations.

For more information visit ORNL's sustainability website at <http://sustainability-ornl.org> or contact Teresa Nichols at [nicholsta@ornl.gov](mailto:nicholsta@ornl.gov).

## SUSTAINABILITY RESOURCES

### On-Demand Training: Complying with EPA 2005 Section 701 Alt. Fuel Requirements

The Federal Energy Management Program (FEMP) is offering an on-demand e-training on the alternative fueling requirements of EPA 2005 Section 701. The 15-minute training is intended for personnel involved in Federal fleet management, including drivers and fleet managers.

For more information visit <http://go.usa.gov/WkBP> or contact Mark Reichhardt at [mark.reichhardt@ee.doe.gov](mailto:mark.reichhardt@ee.doe.gov).



Check out CEQ's latest GreenGov Leader newsletter: <http://go.usa.gov/g8yT>



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