

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

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SUSTAINABILITY RESOURCES

2011 Federal Sustainability Scorecards Released

Federal agencies are regularly evaluated by the Office of Management and Budget (OMB) and the Council on Environmental Quality (CEQ) on their progress toward meeting sustainability goals. The 2011 scorecards serve as an important benchmark that show Federal agency successes in achieving sustainability goals, reducing pollution, cutting costs, and also identify opportunities for improvement.

DOE continues to exceed many sustainability goals through crosscutting efforts at sites and labs, however, there is more work to do to meet our goals. Learn how you can contribute at www.sustainability.energy.gov/tips.

Review DOE's scorecard at: http://www1.eere.energy.gov/sustainability/pdfs/2011_doescorecard.pdf and scorecards for all Federal agencies at: <http://sustainability.performance.gov/>

Department of Energy		January 2012 OMB Scorecard on Sustainability/Energy	
	Scope 1&2 GHG Emission Reduction Target For Scope 1&2 GHG Emission Reduction Target of 20% by 2012, 12.5% reduction in 2011 and behind schedule		Score: YELLOW
	Scope 3 GHG Emission Reduction Target For Scope 3 GHG Emission Reduction Target of 15% by 2012, 10.5% reduction in 2011 and on track		Score: GREEN
	Reduction in Energy Intensity Reduction in energy intensity to goal: subject facilities compared with 2002 (2011, 2012 on track for 20% up 2012)		Score: GREEN
	Use of Renewable Energy Use of renewable energy as a percent of facility electricity use (Total of 10% from renewable electricity generated on-site or 10% from new sources (hydro, wind, geothermal, or solar))		Score: GREEN
	Reduction in Potable Water Intensity Reduction in potable water intensity compared with 2002 (2011, 2012 on track for 20% up 2012)		Score: GREEN
	Reduction in Flammable Liquids Reduction in total petroleum use compared to 2002 (2011, 2012 on track)		Score: RED
	Green Buildings Sustainable green buildings (60% of buildings sustainable, 2.5% LEED or better sustainability)		Score: RED

SUSTAINABILITY SUPERSTARS



(left to right): Randy Elmore (DOE/CBFO), Ellen Harkness (WTS), and Judy McLemore (WTS).

Waste Isolation Pilot Plant's

Randy Elmore, Judy McLemore, Ellen Harkness, and staff reduced business ground travel GHG emissions by 63 percent compared to the FY 2008 baseline. Their contributions were recognized with a Secretarial Appreciated Award. For more info on their efforts, visit <http://go.usa.gov/wOm>

Send us your champion!

SUSTAINABILITY NEWS

DOE Announces Interagency Committee to Increase Use of Clean Energy Technologies in Federal Facilities

DOE announced the new Senior Executive Committee for Technology Deployment, a subcommittee of the Interagency Technology Deployment Working Group, which features founding representatives from the DOE, the General Services Administration, and the Department of Defense. The Committee brings together technology deployment leaders from across the Federal government to accelerate deployment of innovative products and technologies at Federal Facilities. For more information, visit: <http://go.usa.gov/vEJ>



DOE's First Chief Sustainability Officer

Lawrence Berkeley National Laboratory (LBNL) recently named John D. Elliott its first Chief Sustainability Officer, also marking a first for a DOE National Laboratory. The Chief Sustainability Officer reports to the LBNL Deputy Laboratory Director and will ensure that sustainability goals are given top priority. For more information, visit <http://go.usa.gov/vYZ>.

Check out CEQ's latest *GreenGov Leader* newsletter: whitehouse.gov/greengov/leader

Did You Know? Leafally won the \$30,000 Grand Prize in DOE's "Apps for Energy" competition with their app to help users understand their energy use. The app converts Green Button energy data into the number of trees required to offset pollution attributed to energy use. For more information: <http://appsforenergy.challenge.gov/>

DOE Retakes Supercomputer Lead

Lawrence Livermore's new Sequoia supercomputer led the Top500 Project's list as the world's fastest, with sustained performance over 16 petaflops. It marks the first time the U.S. leads the list since 2009 when ORNL's Jaguar supercomputer held the honor.

In performance per watt, the Sequoia computer is about seven times as efficient as the unit it replaced and three times more efficient than Fujitsu's "K Computer," last year's winner. Sequoia's efficient operations are expected to save LLNL \$1.25 million per year in energy costs.

<http://go.usa.gov/vpT>

UPCOMING EVENTS AND MILESTONES

EVENTS

- Early August: SSP Guidance Issued
- Aug 19-22: [GovEnergy](#)
- Aug. 23: SPO Training Day at GovEnergy
- Sept 24-26: [GreenGov](#)
- Sept 27: DOE Sustainability Awards

COURSES AND CONFERENCES

- July 12: [Implementing Deep Retrofits](#)
- July 19: [Steam Advanced Meter Workshop](#)
- July 19: [Portfolio Manager—Advanced Features](#)
- July 17-19: [ESPC Comprehensive Workshop](#)
- Aug. 1: [FEMP Introduction to Renewable Energy Project Finance Structures for Feds](#)
- Aug. 2: [UESCs Under GSA Contracts](#)
- Aug. 19: [GovEnergy Data Centers](#)
- Aug. 19: [GovEnergy PM](#)
- Aug. 19: [Renewables at Fed. Sites](#)
- September 20: [Intro to UESC](#)

On-Demand

- [USDA BioPreferred Seminars](#)
- [Energy-Efficient Product Procurement](#)
- [OFEE's Green Purchasing Training](#)
- [GSA SmartPay Purchase Card Holder Training, Buy Green](#)
- [Advanced Metering Requirements and Best Practices](#)
- [Water Efficiency Planning and Implementation](#)
- [Stormwater 101 - The Basics](#)
- [Stormwater Best Management Practices](#)

SUCCESS STORIES

LANL's Newest Building Achieves LEED® Gold

Los Alamos National Laboratory's Radiological Laboratory Utility Office Building (RLUOB), completed in 2009, recently achieved LEED Gold status from the U.S. Green Building Council.

The 200,000 square foot facility provides office space for 350 employees and features labs for analytical chemistry and materials characterization of special nuclear material.



The building is the first phase of LANL's Chemistry and Metallurgical Research Replacement project, part of the site's overarching consolidation plan. The goal is to reduce the footprint of its nuclear facilities by 50 percent from April 2000 levels while improving capabilities in its core plutonium mission.

For more information, visit: <http://go.usa.gov/vVn>



SUCCESS STORIES

Argonne Turns up the Heat with Geothermal

Argonne National Laboratory recently installed a geothermal heat pump at its visitor's center. The system operates at a temperature of 55°F to help reduce heating needs in the winter and cooling needs in the summer. The system is expected to save \$4,000 and reduce GHG emissions by 53 tons per year.

For more information, visit: <http://go.usa.gov/vEP>

ORNL's "Biggest Energy Loser Challenge" Educates Students

The Biggest Energy Loser Challenge, a partnership between DOE, Oak Ridge National Laboratory (ORNL), and Southern University, recently came to a close.

The program taught students about types of energy, common uses and how building improvements can reduce energy consumption. The students were also instructed about how energy generation and use varies between the U.S., Japan, China, India, Russia and Europe.

Students put their newly learned skills to the test in a competition to see who reduced the most energy in model homes representative of their home locations. Students from three middle schools in Louisiana, Hawaii, and Japan participated and winners were chosen from each school.

One student from Hawaii noted: "I had no idea that my family used so much electricity until I completed the energy audit. Now I'm making an effort to try to conserve energy by using my window instead of my air conditioner, and by turning the lights off more often." A true testament to energy education.

For more information: <http://go.usa.gov/vpl>

SMALL IDEAS FOR EVERYONE Summer is here! As the temperatures increase and vacations begin, keep sustainable practices in mind. Check DOE's list of 10 helpful tips to help keep cool this summer while saving energy, water and money. For more info, visit: <http://go.usa.gov/vpr>