

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

Issue 5 January 2012

## Green Holidays

### Fuel Cell Lights Up Festivities at Secretary Chu's Holiday Party



For the first time ever, DOE's annual holiday party featured lights powered by a clean, efficient fuel cell. The portable fuel cell, made by Trulite, generates roughly 150 watts of power and is a clean energy solution for recharging laptops, cell phones, and other everyday low-energy demand appliances.

The use of a clean, renewable technology at DOE's headquarters was appreciated by DOE employees. "It's

great to see fuel cells used in a more domestic setting that people can relate to," said Kristin Abkemeier. Shannon Brescher Shea, added, "It's one of the ways DOE is walking the walk."

## Building Efficiency Standards

### DOE Updates ASHRAE 90.1, Cites 18.5% Improvement

Buildings that conform to ASHRAE 90.1-2010 will use 18.5% less energy than structures built to the previous (2007) standard, according to a recently published report by DOE's Building Technologies Program. The analysis states the latest version of Standard 90.1, *Energy Standard for Buildings, Except Low-Rise Residential Buildings*, will save commercial building owners energy and money, help meet sustainability goals, and reduce carbon pollution.

For its analysis, DOE simulated 16 representative building types in 15 U.S. climate locations. Among the changes are new requirements for daylighting and skylighting, heat recovery systems, building envelopes, and HVAC.

Following the analysis, DOE established the 2010 version of 90.1 as the commercial building standard for state building energy codes. Within two years, states will be required to update their commercial building code to meet or exceed 90.1-2010.

For more information, see the [Building Energy Codes Program website](#) and the [ASHRAE press release](#).

## Thank You!

Special thanks to everyone involved in calculating, verifying and submitting information for DOE's FY 2011 GHG Inventory. Your diligence helps DOE meet its deadlines and goals.

## Sustainability Superstar

Donell Jenkins at the Savannah River Operations Office (SR), working with David Wolfe (SRNS) and the SR management team, started an ambitious and innovative strategy to address HPSB Goals. For more information, email [donell.jenkins@srs.gov](mailto:donell.jenkins@srs.gov).



**Send us your champion!**

## Did You Know?

President Obama recently challenged all departments and agencies to cut energy costs by leveraging private and public sector funding to invest in energy conservation projects.

For more information:  
[Presidential Memo - December 2, 2011](#)

## Upcoming Events and Milestones

Happy New Year!

Jan. 6: Success stories for DOE Annual Energy Report due to SPO

Jan. 30 - Feb. 1: FYI: [Energy, Utility, and Environment Conference 2012](#)

Jan. 31: GHG Inventory due to OMB/CEQ

Feb. 6: Site Sustainability Plans due to SPO

## Looking for Your Stories

Let's share and replicate your site success stories. Send your ideas to [sustainability@hq.doe.gov](mailto:sustainability@hq.doe.gov).



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Sharepoint: [www.tinyurl.com/doesustainabilitysharepoint](http://www.tinyurl.com/doesustainabilitysharepoint)

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