

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

Issue 56 May 2016

SUSTAINABILITY NEWS

Earth Day Celebration at the Nationals Stadium was a Success

Thank you to everyone who came out! The celebration was a success for both DOE and for the Washington Nationals, who scored eight runs in a win over the Minnesota Twins. Deputy Secretary of Energy Elizabeth Sherwood-Randall, SPO Director John Shonder and other DOE leaders were on hand to welcome the crowds, and [DOE's Sustainability video](#) was shown on the jumbotrons throughout the stadium. To view photos from the event as well as sustainability tips, visit [SPO's website](#).



Climate Change Adaptation Training June 21 and 22

There will be DOE Climate Adaptation and Vulnerability Assessment Training in Richland on June 22 and 23. A joint effort between the Office of Environmental Management (EM) and the Office of Sustainability Support (AU-21), the training is intended for DOE Headquarters and field personnel involved in DOE site operations. The training is being provided by the Association of Climate Change Officers (ACCO), a not-for-profit organization that will provide the course content, hands-on exercises, and credits toward certification. The training will cover climate science, impacts from severe climate events, tools to screen and assess vulnerabilities, and strategies to lead organizational change.

To read more about the training or to register, click [here](#).

This Year is the 100th Anniversary of the Migratory Bird Treaty

This year we mark the centennial of the Convention between the United States and Great Britain (for Canada) for the Protection of Migratory Birds - also called the Migratory Bird Treaty - that was signed on Aug. 16, 1916. This [Migratory Bird Treaty](#), and three others that followed, form the cornerstones of our efforts to conserve birds that migrate across international borders.

The treaty connects the U.S. Fish & Wildlife Service with our federal, state, private, non-government, tribal, and international partners who share a long, successful history of conserving, protecting, and managing migratory bird populations and their habitats.

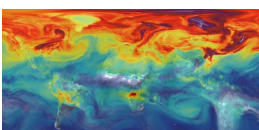
SUSTAINABILITY SUPERSTAR



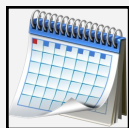
For the past 25 years, Terry Cothron has helped to create a renaissance in modernization and environmental improvement at The Y-12 National Security Complex (Y-12) and the Oak Ridge Reservation.

As evidence of Terry's leadership skills and commitment to sustainability, Y-12 removed mountains of legacy materials, constructed modern sustainable buildings, and developed award winning environmental programs.

Send us your Superstar!



Quiz: Test Your Climate IQ— Climate change is one of the most urgent environmental challenges of our time. But how much do you know about it? Test your knowledge with this quiz! Check it out [here](#).



UPCOMING EVENTS AND MILESTONES

May 24-26: [Sustainable Purchasing Leadership Council Summit \(Washington, DC\)](#)

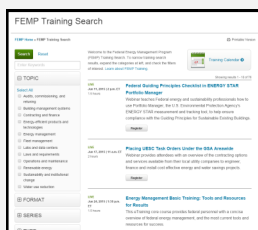
May 25: [Introduction to Utility Energy Service Contracts](#)

June 2: [Federal Thought Leaders Roundtable](#)

June 29-July 4 & July 7-10:
[Volunteer for Sustainability at the Smithsonian Folklife Festival](#)

ON-DEMAND TRAINING

Visit the Federal Energy Management Program's [Training Search](#) for a comprehensive collection of on-demand trainings.



SPOTLIGHT



Did you know that the DOE just came out with it's own podcast? Learn about *Direct Current* and listen to the first episode [here](#).

SUSTAINABILITY SUCCESS STORIES

The Department of Energy Sustainability Awards

The DOE Sustainability Award winners will be highlighted in the next few newsletters. A full line up will be included in a special edition of the newsletter this summer.

Thanks to Eric Haukdal, You Can Teach an Old Building New Tricks

From 2008-2015, Eric Haukdal was the Energy Manager for DOE Headquarters. On the way to transforming the 1960's-era building into a documented High Performance Sustainable Building (HPSB), he led several initiatives including implementing a rooftop solar array, a cool roof, zone sub-metering, and ESPC initiatives. Since 2008, the Forrestal building has seen a 23% reduction Scope 1 and 2 Greenhouse Gas Emissions.

Don't take our word for it though. Haukdal regularly leads tours of Forrestal's sustainability features for employees from Federal agencies, media organizations, school groups, foreign dignitaries, members of Congress, and even the President. Next time you're in the nation's Capital, hear first-hand how Forrestal achieved HPSB status.

Programming Future Sustainability at Oak Ridge National Laboratory

The ORNL [Green IT Team](#) continues to surpass data center and sustainable electronic stewardship sustainability goals, and serves as an inspiration to other DOE sites. A 1.28 portfolio average Power Utilization Effectiveness (PUE) for data centers is well below the 1.5 target set by DOE, but ORNL continues to drive down its PUE. ORNL aggressively integrates sustainability into its data centers supporting DOE's sustainability goals while performing great science. In 2017, ORNL expects to complete a construction project to house one of DOE's new supercomputers, [Summit](#). Summit will be at least five times as powerful as the world's second fastest supercomputer, [Titan](#), while still maintaining a similar carbon footprint and is projected to achieve an expected 1.15 PUE rating.

ORNL offers energy-saving power strips avoiding more than \$1.5 million in energy costs since 2009. Winning a [Federal Green Challenge Award in 2014](#), ORNL promotes 100% reuse or recycling using certified Responsible Recycling (R2) contractors.

Y-12 Reduced Water Usage and Improved Water Quality

Y-12 is committed to protecting water quality through source reduction, reuse, recycle, and treatment. During FY2015, Y-12 made major strides in improving water quality while also reducing their water intensity and overall potable water usage.

Reductions in water intensity by 61.6% (from the 2007 baseline) were achieved through steam trap repairs and improvements, condensate return repairs and reroutes, replacement of once-through air handling units, and low-flow fixture installation. Y-12 reduced overall water usage by utilizing ESPC vehicles, utility efficiency improvement initiatives, and storm water prevention efforts. These efforts not only help save water and energy, but save Y-12 more than \$2.2 million annually. Stay tuned for more savings from Y-12!

The greengov Leader
Council on Environmental Quality

Check out CEQ's latest GreenGov Leader newsletter:

<https://www.fedcenter.gov/assistance/newsletters/greengovleader/>



U.S. DEPARTMENT OF
ENERGY

Sustainability Performance Office

202-586-8645 | sustainability@hq.doe.gov

