

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

Issue 46 June 2015

SUSTAINABILITY ANNOUNCEMENTS

John Shonder Named Director of Sustainability Performance Office

On May 11, John Shonder was appointed Director of the Sustainability Performance Office (SPO). John has devoted his career to the design, implementation and evaluation of policies and programs to improve the sustainability of federal facilities by reducing energy and water use and increasing the use of renewables. Most recently, he served as Program Manager for Oak Ridge National Laboratory's (ORNL's) support to DOE's Federal Energy Management Program (FEMP), managing efforts to increase the value of performance-based contracts to federal agencies. While at ORNL he also provided evaluation and analysis for numerous agencies including GSA, EPA, USAID, the National Park Service, as well as the US Army, Navy, Air Force and Marine Corps. Under the International Energy Agency's Annex 61 project, he led a team of international experts to develop improved business and financial models for deep energy retrofit projects designed to reduce building energy use by 50 percent or more using a combination of public and private financing.



SUCCESS STORIES

LANL Reduces Water Use 26 Percent Through Conservation Efforts



In 2014, the Los Alamos National Laboratory (LANL) decreased water use by 26 percent through strategic water conservation efforts, including leak detection and repair and upgrading to water-conserving fixtures. LANL's largest gains, however, were realized through the use of reclaimed water to cool a super computing center.



LANL's Sanitary Effluent Reclamation Facility (SERF) repurposed more than 27 million gallons of water, helping to reduce the lab's potable water consumption. The Strategic Computing Complex (SCC), a supercomputing facility that ranks as one of LANL's largest water users, served as SERF's largest beneficiaries.

LANL produced a video highlighting the benefits of the SERF. To view the video click [here](#).

SUSTAINABILITY SUPERSTAR



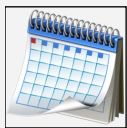
Jerry DiCerbo, an Environmental Protection Specialist in the Office of Sustainability Support, is retiring after 25 years of service to DOE. Most recently, Jerry co-led efforts to advance sustainable remediation as a means to restore cold-war legacy contaminated land. Congratulations and thanks for your service to the Department!

Send us your Superstar!



The Sustainability Performance Office is on Facebook! The SPO recently launched a Facebook page to highlight sustainability issues, share best practices and success stories, and broadcast important announcements. To view the page, please visit: <https://www.facebook.com/pages/DOE-Sustainability-Performance-Office/658272134302286?ref=ts>

UPCOMING EVENTS AND MILESTONES



Jun 10: [Green Gov Symposium](#)

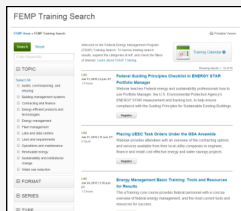
Jun 11: [GP Checklist in ENERGY STAR Portfolio Manager](#)

Jun 22-23: [Climate Change Adaptation and Vulnerability Assessment Training](#)

Jun 24: [Project Matching: Shovel-ready Renewable Energy Projects](#)

Jun 24: [Energy Management Basic Training: Tools and Resources for Results](#)

ON-DEMAND TRAINING



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

New! Check back each month for a featured video!

VIDEO SPOTLIGHT



[Secretary Moniz Test Drives the 3D-Printed Shelby Cobra](#)

SUCCESS STORIES

ORNL Electric Vehicle Project Recognized by State of Tennessee

On May 7, the Tennessee Department of Environment and Conservation (TDEC) recognized the Oak Ridge National Laboratory (ORNL) for its efforts to reduce transportation-related energy and emissions. ORNL was presented an award for their electric vehicle charging project, which has expanded electric vehicle charging on the ORNL campus and across Tennessee.

ORNL installed its first charging station in 2011 and eventually added 25 solar-assisted stations and 19 non-solar charging stations. The Laboratory hosts presentations and tours of the charging stations to educate staff on the technology. The charging stations serve the electric vehicles in ORNL's fleet and approximately 40 lab employees use the charging stations for their personal vehicles. Data from the charging stations is analyzed by lab researchers to assess the station's utilization and performance. The output of the 47-kilowatt solar stations exceeds the energy used by all of the electric vehicles on an annual basis. The Lab's solar-assisted charging station reduces carbon emissions by 47.2 metric tons per year.

For more information on the award, visit: <http://news.tn.gov/node/13869>.



ORNL's Teresa Nichols accepts the TDEC award on behalf of the lab.

Fort Knox Becomes First U.S. Base to Achieve Energy Independence

Fort Knox recently became the first military post to achieve full energy independence. The milestone caps 20 years of efforts to expand energy conservation technologies across the base. The 109,000 acre post boasts an extensive network of geothermal infrastructure to provide heating and cooling for the more than 6 million square feet of space. In addition, the on-site 2.1 MW solar array—financed through an Energy Savings Performance Contract—is considered one of the largest solar arrays in the State of Kentucky. Fort Knox's breakthrough moment for energy independence occurred with the discovery of natural gas reservoirs beneath the post. After navigating the statutory and regulatory hurdles, Fort Knox now uses the natural gas to provide energy to homes and facilities on-site and to five combined heat and power (CHP) plants.

For more information on Fort Knox's energy conservation efforts, visit:

http://www.army.mil/article/145354/Twenty_years_of_energy_investments_pay_off_for_Fort_Knox/.



The Fort Knox Solar Array



Check out CEQ's latest GreenGov Leader newsletter: <https://www.fedcenter.gov/assistance/newsletters/greengovleader/>



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