

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

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SUSTAINABILITY RESOURCES

Streamlining ESPCs for Small Sites

The new **Energy Savings Performance Contract ENABLE** program uses funding approaches designed for small Federal facilities to realize energy and water savings in six months or less. ESPC ENABLE provides a standardized and streamlined process to install targeted Energy Conservation Measures such as lighting, water efficiency, and simple building control systems with minimal up front design costs and measurement and verification procedures appropriate for the size and scope of the project. This new program aims to enable energy efficiency and water conservation measures in Federal facilities less than 200,000 square feet. For more information, contact [Chip Goyette](#) (DOE FEMP).

A webinar on ESPC ENABLE will be held June 7th. To register, visit: [ESPC for Small Sites](#).

Guiding Principles Compliance

The Office of Acquisition and Project Management (OAPM) developed an informational resource library on PowerPedia that provides examples of compliance documentation for Existing Building Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings. The information is divided by the five Guiding Principles and can be used to share best practices on HPSB and self-certification compliance. Sites are encouraged to visit and contribute. For more information, visit: <http://go.usa.gov/dKc>.

SUSTAINABILITY NEWS

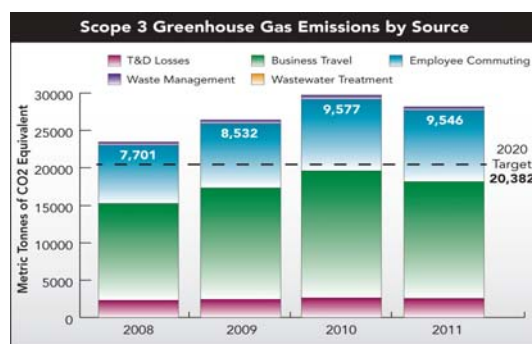
Argonne Pioneers Reduction of Greenhouse Gases

Argonne National Laboratory is reducing greenhouse gas emissions through the recapture and recycling of sulfur hexafluoride (SF₆). SF₆ is an inert gas often used in industry as an anti-arcing agent. It is an extremely potent greenhouse gas — one pound of SF₆ is equivalent to 12 tons of carbon dioxide. While the U.S. does not currently regulate SF₆ emissions, Argonne is proactively and voluntarily recovering and recycling to reduce SF₆ emissions. Argonne saves over 16,000 tons of SF₆ from being emitted into the atmosphere each year. By recycling the gas rather than purchasing it new, Argonne saves taxpayers over \$208,000 a year. See a video on Argonne's SF₆ efforts at <http://youtu.be/3ld4RTYk2-s>.

PNNL Telework Pilot Program

Pacific Northwest National Laboratory (PNNL) launched a formal telework pilot program in February 2012. Since its inception, participants in the pilot have recorded over 700 days of teleworking, avoided 17,000 commuting miles, and saved 770 gallons of fuel. The pilot will be phased in across the lab with the goal of having at least 40% of eligible employees telework at least one day a week by 2020.

For more information, visit http://sustainable.pnnl.gov/employee_commuting.stm.



PNNL's Scope 3 GHG Inventory by Source

SUSTAINABILITY SUPERSTARS



Oak Ridge National Laboratory hosted its second annual regional Sustainability Summit on May 2-3, 2012. Over 110 attendees represented cities, counties, states, universities, industry, power providers and DOE labs. The Summit covered three major subject areas: low-carbon power generation, sustainable transportation, and energy efficiency in buildings. Additional information on ORNL's Sustainable Campus Initiative may be found at <http://sustainability-ornl.org>.

Send us your champion!

DOE ON EPA'S GREEN LIST

The U.S. Environmental Protection Agency (EPA) recently released an updated list of the [Top 50 Green Power Partnership organizations](#) who voluntarily use renewable electricity from resources such as solar, wind, and low-impact hydropower. DOE tops the list for the Federal Government and ranks 13 in the overall National list with 295,974,615 kWh use of green energy or 6% of total electricity use.

DID YOU KNOW? DOE General Counsel (GC) released Electric Vehicle Charging Guidance for DOE sites and Labs. The ruling addresses the use of appropriate funds for charging stations for personal vehicles, options for installation, and methods for reimbursement. For more for information on this ruling, visit: <http://energy.gov/gc/downloads/gc-guidance-electric-vehicle-recharging-stations>

UPCOMING EVENTS AND MILESTONES

BIG EVENTS

June 29: DOE SSPP Due
Aug 19-22: [GovEnergy](#)
Aug. 23: SPO Sponsored Training Day at GovEnergy
Sept 24-26: [GreenGov](#)
Sept 27: DOE Sustainability Awards

AWARDS NOMINATIONS DUE

June 1: [DOE Sustainability Awards](#)
June 15: [GreenGov Presidential Awards](#)

COURSES AND CONFERENCES

June 7: [ESPC for Small Sites](#)
June 13-14: [Green Roofs class](#)
June 19: [DCPro Tool](#)
June 21: [Intro to UESC](#)
June 25-26: [National Security and Climate Change](#)
June 25-28: [FedFleet](#)
June 28: [Energy Star PM GP Checklist](#)
July 12: [Implementing Deep Retrofits](#)
July 17-19: [ESPC Comprehensive Workshop](#)
Aug. 2: [UESCs Under GSA Contracts](#)
Aug. 19: [GovEnergy Data Centers](#)

SUCCESS STORIES

LANL Town Hall on Sustainability

Leaders in environmental sustainability initiatives at Los Alamos National Laboratory showcased their efforts at an open house Sustainability Town Hall in conjunction with LANL's Earth Week events. Elizabeth Sellers, the Deputy Laboratory Director, gave an opening talk about the importance of the Laboratory's efforts to implement the Environmental Management System objectives and targets - clean the past, control the present, and create a sustainable future.



The event featured talks on water conservation, implementing high-performance sustainable buildings criteria within existing buildings, overcoming barriers to employee behavior change, and the Laboratory's current site sustainability plan and goal status. In addition, subject matter experts on a wide range of sustainability topics also presented at a poster session and discussed how their work helps to protect the environment and meet sustainability requirements. Poster topics included facility metering with live electricity usage data, high performance sustainable buildings and the corresponding green team effort, air monitoring, groundwater, cultural resources, and plant and animal life.

For more information, contact [Monica Witt](#).



Fermilab Reuses Equipment in New Test Facilities

A new facility at Fermilab is saving money and energy by repurposing equipment from other projects and other laboratories. Fermilab's new Superconducting Radio-frequency (SRF) Accelerator Test Facility and Cryomodule Test Facility (CMTF) comprise a state-of-the-art complex for testing SRF cryomodules with beam for the development of next generation high intensity linear accelerators, such as the International Linear Collider (ILC) and Project-X.

The engineers designing the facility searched throughout Fermilab, and other laboratories such as JLab and SLAC, to identify equipment that was no longer being used, which could be reused for the various systems of the new facility. Approximately 75% of the components currently within the buildings were previously used for different purposes, saving an estimated \$28 million. Engineers refurbished one of the large cryogenic vacuum pumps to reduce horsepower and gave the motor a variable frequency drive, which will save energy. The material used to absorb beam was constructed using 800 tons of reused concrete shielding blocks, as well as 600 tons of Class-1 radioactive steel. Other reused items include helium refrigerators, helium compressors, vacuum pumps, cable trays, gas tanks, cryostats, electrical racks, ion pumps, valves, dewars, and transformers.



Equipment previously used for other experiments.

SMALL IDEAS FOR EVERYONE It's the summer mowing season, so be on alert for a Lawnmower Exchange event in your local area. Trade in your gas lawnmower for a discount on battery-powered mower or other equipment. Black&Decker has [events](#) in June in southern California.