

**DOE Sustainability Assistance Network (SAN) Notes**  
**Thursday, July 19, 2012**

**1. Sustainability Performance Office (SPO) Highlights**

Paul Estabrooks, SPO

The 2012 DOE Strategic Sustainability Performance Plan (SSPP) was sent to the Office of Management and Budget (OMB) and the Council on Environmental Quality (CEQ) in June. The 2012 Site Sustainability Plan (SSP) guidance is currently under development. It likely will be very similar to last year's guidance and should be available in early August. Similar to last year, the site SSPs and Consolidated Energy Data Report (CEDR) will be due in December.

**2. Environmental Justice (EJ) Overview and On-line EJ Training**

Melinda Downing, LM-1

Consistent with Executive Order 12898, *Federal Actions To Address Environmental Justice in Minority Populations and Low-Income Populations*, Department of Energy (DOE) works toward achieving environmental justice (EJ) as part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on the Nation's low-income, minority and tribal populations.

The first White House Forum on Environmental Justice was held on December 15, 2010 with representatives of DOE in attendance. Under Secretary Thomas D'Agostino was the keynote speaker at this year's annual 2012 "Environmental Justice Conference and Training Program". The Department's Environmental Justice Five-Year Implementation Plan was issued in 2008; the third annual report on that plan will be issued this summer.

The recently developed on-line EJ training course assists DOE employees in gaining a greater awareness of EJ and the strategies for incorporating EJ into DOE policies, decisions, and activities. The one-hour course describes the relationship between EJ and public participation, EJ Strategy, and the DOE Five-Year Implementation Plan. It provides practical guidance and helps employees understand how EJ can be incorporated into DOE's daily operations. DOE Federal employees can access the training course through the Online Learning Center directly from Employee Self Service at <https://mis.doe.gov/ess/>.

**3. New Developments in Green IT Procurement, Power Management, and the Disposition of Electronic Waste**

Cate Berard, EPA/FEC

Goals for electronics procurement are driven by Executive Order 13514 and the Federal Acquisition Regulation among others. At least 95 percent of desktop computers, laptops, thin clients, and monitors must be EPEAT-registered and all office electronics must be Energy Star<sup>®</sup> qualified as well as Federal Energy Management Program (FEMP) designated (i.e., meet energy efficiency and low stand-by power requirements.) Starting in early 2013, EPEAT standards for imaging equipment (e.g., printers, copiers, and multi-function devices) will be in place and sites will need to buy and report their acquisitions of these products; the 95 percent goal will apply to these products.

Electronic operations and maintenance goals are to enable power management on 100 percent of computers and displays with exemptions for equipment necessary for mission critical applications such as security monitoring or science experiments; reduce costs and paper use through establishing duplex printing as the default, using more toner-efficient fonts, and transitioning from personal to networked printers; and establish four year equipment refresh cycles in contracts to extend computer use.

Disposition of electronics is driven by a February 2012 General Services Administration (GSA) bulletin that broadly defines Federal electronic assets and establishes guidelines for their disposition. Federal electronic assets include the range of items that are EPEAT-certified as well as digital cameras, electrical and electronic measuring and testing instruments, and computer peripherals. Disposition of

these electronic wastes in landfills and incinerators is banned, non-functional electronic equipment must be disposed only through certified recyclers, sales to the public must be of functioning equipment, and down-stream recipients must be advised to dispose of those electronics with certified recyclers. The GSA will require reporting on the disposition of each electronic asset so careful tracking and auditing of recyclers to ensure they are certified will be very important.

Electronics reporting for 2012 consists of the following.

- Acquisition: report purchases of
  - EPEAT-registered and non-EPEAT-registered desktops, notebooks, and displays, and
  - printers, multi-function devices, televisions, servers, cellular and mobile telephones.
- Operations and maintenance:
  - determine the number of computers and displays in use that are exempt from power management requirements because they are mission critical,
  - determine the number of non-exempt computers and monitors that are under power management,
  - calculate the percentage of eligible and capable printers under power management, and
  - evaluate the average life-span of computers (in months).
- Disposition: report
  - number of computers, displays, printers, televisions, servers, cell phones, and mixed electronic products that were reused, recycled, sent to a landfill or incinerator, or for which disposition is unknown, or
  - weight of disposed mixed electronic products (i.e., not counted individually), and
  - recyclers used (e.g., UNICOR, manufacturer take-back, R2 or e-Steward-certified recycler).

Calculating the environmental benefits of electronic stewardship is possible through the following tools:

- Environmental benefits of all life cycle best practices,  
<http://www.federalelectronicchallenge.net/resources/bencalc.htm>
- Monitor energy savings, and  
[www.energystar.gov/ia/business/bulk\\_purchasing/bpsavings\\_calc/Calc\\_monitorsBulk.xls](http://www.energystar.gov/ia/business/bulk_purchasing/bpsavings_calc/Calc_monitorsBulk.xls)
- Desktop CPU energy savings,  
[www.energystar.gov/ia/business/bulk\\_purchasing/bpsavings\\_calc/Calc\\_Computer\\_product.xls](http://www.energystar.gov/ia/business/bulk_purchasing/bpsavings_calc/Calc_Computer_product.xls).

Examples of the benefits that accrued to DOE as a result of EPEAT acquisitions, green operations and maintenance, electronics reuse and recycling during FY2011 are energy savings of 170,000,000 kilowatt-hours, greenhouse gas savings of 25,210,000 kg of CO<sub>2</sub> equivalent, and projected dollar savings of \$16,020,000 (primarily through energy savings).

Trends in electronics stewardship are updates to the EPEAT computer standard, development of Energy Star<sup>®</sup> Version 6 which may include slates such as the iPad, and support for increased procurement of thin clients as opposed to computers and slates as opposed to laptops to reduce energy use. In addition, the GSA guidance on Federal electronic asset disposition will be converted into regulation.

#### **4. Sustainability and Compliance Reporting**

##### **Migratory Bird MOU**

Jane Powers, HS-22

The DOE Office of General Counsel is completing its review of the draft Migratory Bird Memorandum of Understanding (MOU) DOE developed in concert with the U.S. Fish and Wildlife Service to comply with Executive Order 13186, *Responsibilities of Federal Agencies to Protect Migratory Birds*. Upon completion of that review, the MOU will be sent to the DOE Migratory Bird Work Group for a preliminary approval before beginning the official DOE review and concurrence process. The

Migratory Bird Workgroup will participate in promoting DOE involvement in the Presidential Migratory Bird Stewardship Award program and developing the annual accomplishments report.

### **EMS 3 Year Audit & Declaration Memo**

Steve Woodbury, HS-21

To date, 26 sites have submitted their declaration memos confirming that their environmental management system (EMS) has been audited and another 6 are on alternative schedules. Seventeen sites have yet to submit their declaration memo. Sites will not attain green status if they are lacking the declaration memo.

The EMS Community of Practice continues to meet; contact Steve if you would like to join the group.

### **Electronics Update**

Jeff Eagan, HS-21

Due to considerable pressure from a variety of sources, DOE sites included, Apple decided to rejoin EPEAT after its initial decision to withdraw 39 of its products from the list of EPEAT-certified electronics.

### **Green and Sustainable Remediation**

Beverly Whitehead, HS-21

The Interstate Technology and Regulatory Council (ITRC) will present its training on Green and Sustainable Remediation (GSR) for DOE employees on Wednesday, August 1, 2012, from 12:30 to 4:30 PM, EDT. The GSR training at HQ will also be available via real-time video teleconferencing (VTC); interested DOE field site personnel can participate via VTC by contacting Beth Moore via email ([beth.moore@em.doe.gov](mailto:beth.moore@em.doe.gov)), or phone at 202-586-6334.

The training will focus on GSR sustainability evaluations, technical and regulatory guidance, and implementation for DOE users. Experienced trainers will then be available at the end of the course to address questions and provide answers. The Office of Environmental Management's Office of Site Restoration (EM-10) and HSS's Office of Sustainability Support (HS-21) are sponsoring the training

### **DOE Best-in-Class Nominations for 2012 DOE Sustainability Awards**

Beverly Whitehead, HS-21

From the 137 Sustainability Award nominations entered into the PPTRS, the PSOs and NNSA selected 75 of them as the Best-in-Class. The 75 nominations have been sent to the independent panel of judges for their selections. The SPO will announce the award winners in early August; the DOE Sustainability Awards ceremony will be held on September 27, the day after the 2012 GreenGov Symposium. The nine FEC winners, the 22 GreenBuy award recipients, and the to-be-announced GreenGov winners will all be recognized at the DOE Sustainability Awards ceremony.

### **2012 GreenGov Symposium and Presidential Award Nominations**

Beverly Whitehead, HS-21

The symposium will be held September 24-26 at the Marriott Wardman Park Hotel in Washington, D.C.; registration is available through [www.greengov2012.org](http://www.greengov2012.org). The preliminary program tracks are:

- Clean Energy
- Climate Risk & Resilience
- Education & Engagement
- Fleet Management/Vehicle Technology
- Green/Sustainable Facilities
- Greening the Supply Chain
- Sustainable Communities
- Third Party Financing and Public-Private Partnerships
- Water Resource Management

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*Next SAN Conference Call: August 16, 2012*

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with issues you would like to raise and/or presentations you would like to make.*