

Electronics Stewardship Supplemental Spreadsheet to the Midyear Progress Report

Six Month Progress Report (January - June, 2009)

ELECTRONIC STEWARDSHIP		
AGENCY		DEPARTMENT OF ENERGY
ES Plan	ES Plan finalized and copy provided to OFEE? Yes/NO (If not, when to be completed)	YES. The plan, which was previously provided to OFEE, is available at http://www.hss.energy.gov/pp/DOE_ElectronicsStewardship_FinalPlan_72007.pdf
Purchasing EPEAT Products at 95%	a. IT contracts include EPEAT clauses? (Yes/NO, if not, indicate when to be completed) b. Indicate % of EPEAT purchases in FY 2008 Agency-wide (If no reporting system in place indicate when to be completed)	A. Yes. DOE Order 450.1A requires contractors to purchase EPEAT-certified electronics. B. The EO 13423 Annual Progress Report on Sustainable Acquisition, Recycling and Pollution Prevention Practices (issued 2/18/09) reported that in FY 2008, 96% of DOE designated electronics purchases were EPEAT-registered.
Power Management Enable in 100% Computers, Laptops and Monitors	a. PM enable on 100% of eligible computers and monitors Agency-wide? (Yes/No, if not, indicate when to be completed) b. Is there a reporting and audit system in place to ensure compliance with PM requirements? (Please explain)	A. Yes. DOE Order 450.1A requires Energy Star power management on eligible computers and monitors agency-wide. DOE will focus agency-wide power management activities on data center and thin client computing in FY09. B. Yes. The PPTRS requires sites to record, review, and follow-up on power management requirements. Sites covering more than 95% of eligible computers and monitors reported implementing this requirement in FY08.
Extended Life of Electronic Products to 4 Year Minimum	a. Is there an Agency-wide policy in place to extend life of electronic products to 4 year minimum? (Yes/NO, if not indicate when to be completed) b. IT contracts include clauses to extend use of electronics products to 4 year minimum? (Yes/NO, if not, indicate when to be completed)	A-B. Yes. DOE Order 450.1A requires DOE elements to extend the useful lifespan of electronics products through software upgrades and use of EPA's Guidance to Improve the Operation of Electronic Products, and to strive to extend the useful life of electronic equipment to four (4) or more years.

<p>Using Environmentally Sound Management Practices at End-of-Life</p>	<p>a. Using GSA Xcess, including CFL ? (Yes/NO, if not, explain) b. Using Unicor, READs or private Recycler (Indicate, if not, Explain) c. Using EPA's Plug-in guidance when Recycling (Yes/No, if not ,explain) d. Indicate % of surplus or EOL electronics were reused or recycled (If no reporting system in place indicate when to be completed)</p>	<p>A-B-C Yes. DOE Order 450.1A requires DOE sites to use specific environmentally compliant recycling services, including those listed in Column B, for disposition of end-of-life electronics. All DOE sites with surplus or end-of-life electronics reported using at least one of the listed recycling services. D. The PPTRS reported that more than 98% of DOE end-of-life electronics were reused or recycled in FY08.</p>
<p>Actions taken since January 09 Reporting Cycle</p>	<p>Please be specific for each area: a. EPEAT: b. Power Management: c. Extending life: d. End-of-life: e. Reporting/auditing compliance System:</p>	<p>See attached narrative for additional information. A. DOE served as the Federal Representative on the EPEAT Advisory Board and presented on electronics stewardship at the DOE 2009 OCIO Information Management Conference, FESWG meetings, and other venues. In June, DOE convened a meeting with FEMP and EPA representatives to expedite a new, international energy-efficiency standard for data center servers. B-C. DOE replaced more than 12,000 computers over the past 2 years with "Thin Client" computing stations, reducing associated energy usage by 35-40%, doubling the life-span of the equipment, and significantly reducing maintenance and operations needs. Many of the stations were rebuilt ex-PCs, "recycling" existing DOE equipment.</p>
		<p>D. DOE won the ERRC agency award for the third year in a row. DOE reported 2.1 million pounds, 23% of the federal total; five sites won ERRC facility awards. E. In February, DOE submitted to the Federal Electronics Challenge (FEC) an Agency Annual Report and Facility Reports for all major DOE sites, including both FEC partner and non-partner facilities for all sustainable electronic stewardship practices. DOE continued to refine its PPTRS program to further integrate FEC reporting requirements, and to improve its value in measuring performance.</p>

<p>Planned Actions for July 09 Reporting Cycle</p>	<p>Please be specific for each area: a. EPEAT: b. Power Management: c. Extending life: d. End-of-life: e. Reporting/auditing compliance System:</p>	<p>See attached narrative for additional information. A. Continue collaboration among EPA, DOE and FEMP regarding the review/reprogramming of resources to expedite a new EPEAT energy-efficiency standard for servers over a 2-year period. As EPEAT Advisory Board Federal Representative, DOE will support new EPEAT standards for imaging equipment and servers, while educating sites on EPEAT requirements. B. DOE will analyze the 2008 PPTRS performance data and the findings from the May 2009 DOE Report from the Office of the Inspector General, "Department of Energy Efforts to Manage Information Technology Resources in an Energy-Efficient and Environmentally Responsible Manner," to identify site-specific obstacles and assistance opportunities for continuous electronics stewardship improvement. DOE will educate sites on power management strategies and systems, focusing on data centers and thin client computing.</p>
		<p>C. DOE will continue to educate sites on software to extend equipment life. D. DOE will expand field participation in the FY 2009 Electronics Reuse and Recycling Campaign (ERRC) program to more than 25 sites by end of year. E. Application of PPTRS data for FEC annual reporting purposes is a 2009 priority. DOE is continuously improving the PPTRS to enhance its capacity.</p>
<p>Expected to meet all EO 13423 Section 2H goals by 2010?</p>	<p>Yes/No (If not, when to be completed)</p>	<p>Yes. DOE has already met the 2010 requirements in 2008 and will continue to remain in compliance.</p>
<p>Additional Comments</p>		<p>See attached scorecard narrative for additional detail. Using the FEC 2.0 Electronics Benefits Calculator, DOE estimates that its FY 2008 green computing efforts saved \$16,000,000 in energy costs and prevented the release of 33 million Kg of GHG emissions (CO2).</p>