

ELECTRONIC STEWARDSHIP		Department of Energy
<b>AGENCY</b>		
<b>ES Plan</b>	ES Plan finalized/updated and copy provided to OFEE? Yes/NO (If not, when to be completed)	Yes July 2007
<b>Purchasing EPEAT Products at 95%</b>	<p>a. IT contracts include EPEAT clauses? (Yes/NO, if not, indicate when to be completed):</p> <p>b. Indicate % of EPEAT products purchased in FY 2009 Agency-wide:</p> <p>    i. Number EPEAT Monitors purchased:</p> <p>    ii. Number non-EPEAT Monitors purchased:</p> <p>    iii. <b>% EPEAT Monitors Purchased:</b></p> <p>    iv. Number EPEAT PCs/Laptops purchased:</p> <p>    v. Number non-EPEAT PCs/Laptops purchased:</p> <p>    vi. <b>% EPEAT PCs/Laptops purchased:</b></p> <p>(If no reporting system in place indicate when to be completed)</p>	<p>a) Yes: DEAR and DOE Order 450.1A require contracts to include EPEAT clauses. b) Preliminary evaluation of site performance for FY 2009 reveals approximately 97% of DOE electronics purchases were EPEAT-registered. About 54,469 monitors and computers were purchased; about 52,952 were EPEAT-certified. About 18,317 monitors were EPEAT; about 347 monitors were non-EPEAT; about 98% EPEAT. 10,131 laptops were EPEAT; 231 were non-EPEAT; about 97+% EPEAT. About 20,904 desktops were EPEAT; about 869 were non-EPEAT; about 97% were EPEAT. These numbers are currently under audit and subject to change.</p>
<b>Power Management Enable in 100% Computers, Laptops and Monitors</b>	<p>a. PM enable on 100% of eligible computers and monitors Agency-wide? (Yes/No, if not, indicate when to be completed):</p> <p>b. Is there a reporting and audit system in place to ensure compliance with PM requirements? (Please explain):</p>	<p>a) Preliminary evaluation of site performance for FY 2009 reveals-90% of DOE sites—representing over 95% of DOE federal and contractor personnel—employ power management practices. DOE will strive for agency-wide compliance in FY10 and FY11. b) The DOE PPTRS system annually reports power management performance. PPTRS data is extensively audited, including reviews by the Office of Environmental Policy and Assistance and the DOE Inspector General.</p>
<b>Using Environmentally Sound Management Practices at End-of-Life</b>	<p>a. Using GSA Xcess, including CFL ? (Yes/NO, if not, explain):</p> <p>b. Using Unicor, READs or private Recycler (Indicate, if not, Explain):</p> <p>c. Using EPA's Plug-in guidance and/or R2 guidance when Recycling (Yes/No, if not, explain):</p> <p>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) Yes: b) Yes; c) Yes; d) Preliminary evaluation of site performance for FY 2009 reveals approximately 99% of DOE surplus or EOL electronics purchases were reused or recycled.</p>

	<p>Please be specific for each area:</p> <p>a. EPEAT:</p> <p>b. Power Management:</p> <p>c. End-of-life:</p> <p>d. Reporting/auditing compliance System:</p>	<p>a) Approximately 97% of DOE FY09 electronics purchases were EPEAT-registered. b) 90% of DOE sites representing over 95% of DOE federal and contractor personnel employed power management practices in FY09. c) More than 99% of surplus and end-of-life electronics were reused or recycled in FY09. Field participation in the FY 2009 ERRC totaled 19 sites d) In Fall 2009, DOE conducted annual PPTRS data call covering Department-wide electronics stewardship practices, including purchases of EPEAT-registered equipment, use of EnergyStar power management features, and disposition of end-of-life electronics. DOE continued to upgrade and enhance the PPTRS to improve and refine data collection from its sites for FEC, OFEE, and OMB reporting purposes, and to improve the system's analytical capabilities. Additionally, 33 DOE sites are FEC Partners, representing over 95% of DOE federal and contractor personnel. See additional information section below for more details.</p>
<p><b>Actions taken since July 09 Reporting Cycle</b></p>	<p>Please be specific for each area:</p> <p>a. EPEAT:</p> <p>b. Power Management:</p> <p>c. End-of Life:</p> <p>d. Reporting/auditing compliance System:</p> <p>e. Greening Data Center/Severs</p>	<p>a) Procurement training at DOE sites, especially ones less than 100% EPEAT compliant. b) Promote strategies for power management at non-compliant sites. c) Develop Responsible Recycling (R2) training for DOE sites. Additionally: Continue building Green IT Work Groups at Sites; conduct outreach and education programs on implementation of electronics stewardship; conduct monthly conference calls with DOE IT, acquisition, property management, and EMS staff; promote DOE-wide participation in ERRC and FEC. d) Continue to refine PPTRS tracking and reporting system, including improving auditing and review functions with partners including Inspector General. e) Build internal DOE Data Center Working Group, expanding HS, CIO, EERE, and DOE site participation. Conduct intensive 1.5 day "Green IT and Data Center" training at March 2010 DOE CIO annual conference. Share DOE site data center energy efficiency best practices with DOE field and program elements. Advance EPEAT server standard development through resource support, scoping, planning, and creation of working group.</p>
<p><b>Expected to meet all EO 13423 Section 2H goals by December 2010?</b></p>	<p>Yes/No (If not, why and when to be completed):</p>	<p>Yes, with possible exception of power management due to security and other programatic concerns (See additional comments below). DOE anticipates meeting power management goal in 2011 if not met in 2010.</p>

<p><b>Additional Comments</b></p>	<p>1) Using the FEC calculator to quantify environmental benefits, electronic stewardship efforts in FY 2009 saved DOE more than 162,702,782 kilowatt hours, \$15,391,683, and 113,227,957 kg of carbon dioxide equivalent (CO<sub>2</sub>e). 2) 33 out of 35 eligible DOE Sites are currently FEC Facility Partners. DOE anticipates the two outstanding facilities will join in 2010. 3) DOE responded to a May 2009 Inspector General report, Department of Energy Efforts to Manage Information Technology Resources in an Energy-Efficient and Environmentally Responsible Manner. The IG found some DOE sites did not adequately reduce energy consumption through power management. The FY 2009 PPTRS data call asked sites to identify impediments to enabling power management features. The data call also asked sites to identify power management mechanisms (i.e., sitewide LAN or desktop configurations). All three sites identified by the IG subsequently installed LAN-based software to implement sitewide power management.</p>	<p>4) A technical assistance tool and training program for Integrating Sustainable Practices, including electronics stewardship, into EMSs was used in trainings at Lawrence Livermore and Berkeley National Laboratories, SLAC National Accelerator Laboratory, Sandia, Pacific Northwest, and Oak Ridge National Laboratories, Y-12 National Security Complex, and Nevada Test Site. Copies of the tool were widely distributed to all DOE sites and sustainability personnel. 5) DOE continued outreach/education programs including monthly conference calls with DOE IT, acquisition, property management, and EMS staff, promoting DOE participation in ERRC and FEC and highlighting assistance to sites on sustainable practices, particularly power management.</p>