



ENVIRONMENTAL STEWARDSHIP SCORECARD
Department of Energy

		CURRENT STATUS (As of December 31, 2006)		PROGRESS	COMMENTS
<p>ENVIRONMENTAL STEWARDSHIP</p> <p>Agency Environmental Executive:</p> <p>Glenn Podonsky</p> <p>Lead EOP Analysts:</p> <p>Cyndi Vallina and Dana Arnold</p>		<p><u>Metric #1</u></p> <ul style="list-style-type: none"> • EMS report card criteria met: <ul style="list-style-type: none"> ___100% report card criteria met _(date)_(G) ___50% report card criteria met _(date)_(Y) 		<p><u>Actions taken since July 1, 2006:</u></p> <ul style="list-style-type: none"> • Continued system implementation at three remaining sites without an EMS declaration: <ul style="list-style-type: none"> - conducted EMS verification review at one site (report is being finalized). - contractor declared EMS implementation complete at another site (DOE verification scheduled for 02/07). - two of three contractors have EMS in place at the third site (DOE verification review scheduled 04/07). - 98% of DOE “appropriate facilities” declared that an EMS is in place. • Conducted multiple-day, on-site EMS continuous improvement workshops featuring Federal leadership initiative on electronic stewardship at two DOE national laboratories. • Hosted, at DOE Headquarters, EPA’s (Region III) training 	<ul style="list-style-type: none"> • DOE Order 450.1, <i>Environmental Protection Program</i> (01/15/03), requires implementation of EMS at DOE sites. • EMS Self-Declaration Protocol included as part of DOE Guide 450.1-1, <i>EMS Implementation Guide</i> (02/18/04). • Detailed information on DOE’s implementation of EMS at “appropriate facilities” across the complex is reported annually to the EPA and OFEE, based on site information reported in the on-line FedCenter reporting database.

			<p>sessions:</p> <ul style="list-style-type: none"> - Chesapeake Bay-focused EMS (08/29-30/06); - EMS Internal Audit Training (08/31/06-09/01/06). <p><u>Planned actions for next six months:</u></p> <ul style="list-style-type: none"> • Complete EMS verification at the three remaining sites • Conduct additional EMS continuous improvement workshops featuring Federal leadership initiative on electronic stewardship. <p>Initiate development of DOE work plan to implement anticipated new Executive Order “<i>Enhancing Government Performance through Effective Environmental, Energy, and Fleet Management</i>”.</p>	
--	--	--	---	--

	<p><u>Metric #2</u></p> <ul style="list-style-type: none"> • Green purchasing: <u>√</u> Agency has green purchasing plan (GPP), representative acquisitions, audit program, and corrective action plan if applicable <u>2006 Update (G)</u> • <u>___</u> Agency has partial GPP and representative acquisitions <u>_(date)_(Y)</u> 	<p><u>Actions taken since July 1, 2006</u></p> <ul style="list-style-type: none"> • DOE continued to acquire environmentally preferable products, when available, affordable and effective. • DOE contracting activities perform a procurement self-assessment every three years which includes an affirmative procurement review. Approximately one-third of the contracting activities procurement self-assessments were conducted in FY 2006. DOE procurement transactions recorded in the Federal Procurement Database System (FPDS-NG) were audited in preparing the FY 2006 EO 13101 progress report. • Training provided to DOE site pollution prevention coordinators and green acquisition advocates (procurement personnel) on environmentally preferable purchasing, with an emphasis on reporting accomplishments, including purchases of designated biobased products and EPEAT-registered electronics at workshop in Oak Ridge, TN. Training materials available at www.eh.doe.gov/p2/epp/EPP-Training-DOE06-rev5.ppt. • Conducted annual Pollution Prevention Tracking and Reporting System data call covering 	<ul style="list-style-type: none"> • DOE established policies for the acquisition of environmentally preferable products, including: <ul style="list-style-type: none"> - DOE Order 450.1, <i>Environmental Protection Program</i>, requirements for the specification and acquisition of environmentally preferable products (5.d (11&12)). - DOE Acquisition Regulations (DEAR), <i>Acquisition and Use of Environmentally Preferable Products and Services</i> (48 CFR 970.5204); and <i>Affirmative Procurement Program</i> (48 CFR 970.5223-2) - DOE Acquisition Letter, <i>Greening the Government Requirements in Contracting</i> (AL-2002-05), responsibilities of Green Acquisition Advocates (GAA) in promoting and implementing environmentally preferable purchasing. GAAs have been in place at all major DOE sites since 2002. - DOE Acquisition Letter, <i>Energy Efficiency of Energy Using Products - Implementation of Section 104 of the Energy Policy Act of 2005</i> on specification of ENERGY STAR® qualified products or products conforming to FEMP Energy Efficiency Requirements in DOE acquisition contracts.
--	--	--	---

			<p>Department-wide purchases of environmentally preferable products in FY 2006. Data call expanded in FY 2006 to facilitate DOE reporting purchases of USDA designated biobased products and EPEAT-registered electronics in the “Greening the Government” Executive Order 13101 progress report. [www.eh.doe.gov/p2/FY2006_Data_Entry_Guidance_Final.pdf]</p> <ul style="list-style-type: none"> • In July 2006, DOE Office of the Chief Information Officer (CIO) adopted EPEAT registration (environmentally preferable electronics) as a procurement requirement in its FY 2007 annual market survey for Headquarters electronics (desktop computers, notebooks, and monitors). • Finalized and issued DOE Acquisition Letter, <i>Energy Efficiency of Energy Using Products - Implementation of Section 104 of the Energy Policy Act of 2005</i> on specification of ENERGY STAR® qualified products or products conforming to FEMP Energy Efficiency Requirements in DOE acquisition contracts. [http://professionals.pr.doe.gov/ma5/ma-5web.nsf/WebAttachments/AL2006-09/\$File/AL2006-09.doc] <p><u>Planned actions for next six months:</u></p> <ul style="list-style-type: none"> • Prepare FY 2006 annual progress 	<ul style="list-style-type: none"> • Deputy Secretary of Energy approved DOE Order 450.1 Chg 2 <i>Environmental Protection Program (12/07/05)</i> establishing pollution prevention and sustainable environmental stewardship goals for DOE sites to achieve through the use of Environmental Management Systems (EMSs). The Order (Chg 2) establishes an environmentally preferable purchasing goal and provides strategies for achieving the goal, including a “green” purchasing strategy that specifies environmentally preferable products in the acquisition of DOE site supplies and services. • DOE Acquisition Guide, <i>Greening the Government – Environmental Considerations in Acquisition</i> (Chapter 23) addresses the role of the Green Acquisition Advocates in promoting and implementing environmentally preferable purchasing, including the USDA Biobased Product Procurement Preference Program in DOE contracting activities (Acquisition Guide Chapter 23.0 supersedes AL-2002-05). • DOE <i>Environmentally Preferable Purchasing Program Overview</i> provides guidance on and web-based access to the policies, procedures and reporting related
--	--	--	--	---

			<p>report for activities related to EO 13101, highlighting DOE purchases of recycled-content products, expansion of biobased-content product purchasing, addition of EPEAT-registered electronics purchasing, and solid waste diversion (recycling).</p> <ul style="list-style-type: none"> • Continue outreach and education program on environmentally preferable purchasing at DOE, including the conduct of quarterly conference calls with site green acquisition advocates (procurement personnel) and pollution prevention coordinators. • Finalize and distribute the Acquisition Letter for DOE contractor purchasing of environmentally preferable electronics, and specification of EPEAT-registered products in DOE acquisition contracts. • Determine appropriateness of modifying DOE Acquisition Regulations (DEAR), <i>Acquisition and Use of Environmentally Preferable Products and Services</i> (48 CFR 970.5204); and <i>Affirmative Procurement Program</i> (48 CFR 970.5223-2) to specify DOE purchasing of ENERGY STAR® qualified products and/or FEMP designated energy efficient products. 	<p>to the acquisition of recycled-content products, biobased-content products including biofuels, energy efficient products, and non-ozone depleting products. This Overview, in concert with the Acquisition Guide (Chapter 23), and the policies, procedures and reporting discussed therein constitute the Department's "green purchasing plan."</p> <ul style="list-style-type: none"> • Detailed information on DOE's Environmentally Preferable Purchasing, including acquisitions of recycled-content, biobased-content, and EPEAT-registered products, is reported in the annual EO 13101 progress report to the OFEE and OMB. This report also includes DOE information on solid waste diversion (recycling), status of green purchasing plans, green purchasing promotion, training, and compliance monitoring and auditing. • In 2006, four DOE sites and DOE headquarters won White House Closing-the-Circle Awards for exemplary achievement in the "green" purchasing category.
--	--	--	--	---

	<p><u>Metric #3</u></p> <ul style="list-style-type: none"> • Sustainable design/green bldgs: ___agency implementing program that meets statutory requirements and/or elements of the MOU on Sustainable Buildings ___ (G) ___agency developed program <u>2006</u> (Y) [MOU Implementation Plan] 	<p><u>Actions Taken Since July 1, 2006</u></p> <ul style="list-style-type: none"> • DOE High Performance Sustainable Building (HPSB) Working Group established (08/06); developed an <i>Implementation Plan for the “Federal Leadership in High Performance and Sustainable Buildings” Memorandum of Understanding</i> (12/06). The Plan identifies DOE actions for implementing the HPSB commitments and guiding principles set forth in the MOU. Mr. Andrew Karsner, Assistant Secretary for Energy Efficiency and Renewable Energy, and DOE’s Senior Energy Official approved sending the Plan to all affected program offices for concurrence. [http://www.eh.doe.gov/p2/archives/Draft_DOE%20Sustainable_MOU_Implementation%20Plan_20061220.pdf] • DOE’s Office of Engineering and Construction Management finalized and the Deputy Secretary of Energy approved DOE Order 413.3A, <i>Program and Project Management for Capital Asset Acquisition</i> (07/28/06). The Order establishes DOE policy to incorporate High Performance Sustainable Building (HPSB) principals in the planning, programming, budgeting, and acquisition of capital assets. The Order stipulates that contractors responsible for program and project 	<ul style="list-style-type: none"> • Assistant Secretary for Energy Efficiency and Renewable Energy, DOE’s Senior Energy Official under EO 13123, signed the <i>Memorandum of Understanding for Federal Leadership in High Performance and Sustainable Buildings</i> on January 24, 2006. • Deputy Secretary of Energy approved DOE Order 450.1 Chg 2 <i>Environmental Protection Program (12/07/05)</i> establishing pollution prevention and sustainable environmental stewardship goals for DOE sites to achieve through the use of Environmental Management Systems. The Order provides strategies for achieving the goals, including a “green building” strategy that specifies the application of sustainable building design criteria when planning and constructing new facilities or modifying existing facilities to optimize life-cycle costs, reduce pollution, minimize energy consumption, conserve water, and enhance indoor air quality, worker safety and productivity. • DOE’s FEMP chairs the Interagency Sustainable Working Group (ISWG) that developed the guiding principles that serve as the foundation of the MOU for Federal Leadership in High Performance
--	--	--	---

			<p>management of Department-owned facilities must apply HPSB principals to the siting, design, construction, and commissioning of new facilities and major renovations of existing facilities. [http://homer.ornl.gov/oepa/guidance/ems/o413_postcard.pdf]</p> <p><u>Planned actions for next six months</u></p> <ul style="list-style-type: none"> • DOE HPSB Implementation Plan concurrence by affected program offices including the Office of Engineering and Construction Management, and approval by the Assistant Secretary for Energy Efficiency and Renewable Energy (DOE's Senior Energy Official and signatory to the HPSB-MOU). • Pursuant to the DOE HPSB Implementation Plan, the HPSB Working Group initiates a Gap Analysis of information, resources and training that will be required by departmental elements charged with implementing the HPSB provisions of DOE Order 413.3A and its Contractor Requirements Document (CRD). The Implementation Plan will be revised upon completion of the Gap Analysis. • The HPSB Working Group initiates development of guidance on incorporating HPSB principals in program and project management of capital assets involving new 	<p>and Sustainable Buildings.</p> <ul style="list-style-type: none"> • DOE's FEMP supports the ISWG development of the Technical Guidance document for the High Performance and Sustainable Buildings MOU. • Training on sustainable design principles and the Leadership in Energy and Environmental Design (LEED) rating system was provided at the DOE 2006 Pollution Prevention Workshop. • DOE's sustainable buildings, including those with LEED certification, are listed in the ISWG High Performance Federal Building Database. As of 12/31/06, there are 4 DOE sustainable buildings in the database, with an additional 3 buildings LEED certified and 8 more in process. • DOE's FEMP supports Laboratories for the 21st Century (Labs21), a joint EPA/DOE initiative aimed at designing the next generation of labs with energy and water efficiency, renewable energy, and sustainable construction practices. • DOE's FEMP provides technical assistance on the design of Federal buildings (new construction and retrofits) that
--	--	--	---	--

Six Month Progress Report (July–December, 2006)

			<p>construction and major renovation of facilities. (scheduled completion 12/07).</p> <ul style="list-style-type: none"> • Application for Leadership in Energy and Environmental Design (LEED) certification will be submitted to the U.S. Green Building Council for the Brookhaven National Laboratory's new 65,000 square foot Research Support Building. • Report at least one success story on the Interagency Sustainable Working Group (ISWG) on-line High Performance Federal Building Database. • Continue participation in the <i>Federal Environmental Stewardship and Sustainability Working Group</i> and the <i>Interagency Sustainability Working Group</i>. 	<p>incorporate energy efficiency, renewable energy, distributed energy technologies, sustainable design practices, state-of-the-art lighting technologies, and water-saving technologies.</p>
--	--	--	---	---

	<p><u>Metric #4</u></p> <ul style="list-style-type: none"> • Sustainability program for electronic stewardship: <ul style="list-style-type: none"> <u>√</u> agency implementing <u>2006</u> (G) <u>√</u> agency developed and/or signed the MOU on Electronic Stewardship <u>November 15, 2004</u> (Y) 	<p><u>Actions taken since July 1, 2006:</u></p> <ul style="list-style-type: none"> • Pursuant to the DOE Electronics Stewardship Implementation Plan at http://www.eh.doe.gov/p2/DOE_Plan_Fed_EStewardship_Final8-7-06.pdf, the following actions were taken during the six-month reporting period: • DOE Office of the Chief Information Officer (CIO) adopted EPEAT registration as a procurement requirement in its FY 2007 annual market survey for Headquarters electronics (desktop computers, notebooks, and monitors). [www.eh.doe.gov/p2/desktop_requirements_2007.pdf] • DOE Pollution Prevention Tracking and Reporting System updated to include Department-wide collection of electronics stewardship data for preparation of the FY 2006 “Greening the Government” Executive Order 13101 and 13148 progress reports. Specifically, data from approximately 45 DOE sites across the country on the procurement of EPEAT-registered products and the reuse of surplus and recycling of end-of-life electronics in 2006. [www.eh.doe.gov/p2/FY2006_Data_Entry_Guidance_Final.pdf] • Expanded outreach and education program on the integration of electronics stewardship into DOE sites Environmental Management 	<ul style="list-style-type: none"> • Assistant Secretary for Environment, Safety and Health, DOE’s Agency Environmental Executive (AEE) under EOs 13101 and 13148, signed the <i>Memorandum of Understanding (MOU) Promoting Sustainable Environmental Stewardship of Federal Electronic Assets</i> (11/15/04). As a signatory of the MOU, DOE Headquarters became a Federal Electronics Challenge “Partner.” • DOE’s AEE and Chief Information Officer (CIO) issued a joint memorandum entitled <i>Federal Electronics Challenge</i> (FEC) to DOE sites on the Department’s commitment to improving life-cycle management of electronic assets, and encouraging all sites to participate as FEC “Partners” (06/20/05). • DOE Order 450.1 Chg 2 <i>Environmental Protection Program</i> (12/07/05) establishes Pollution Prevention and Sustainable Environmental Stewardship goals to be achieved Department-wide. The Order requires integration of pollution prevention into Environmental Management Systems and specifies strategies for achieving the new goals, including procurement of environmentally preferable
--	--	--	---

			<p>Systems (EMSs), conducting multiple day, on-site workshops at Brookhaven and Idaho National Laboratories. [See presentation at www.eh.doe.gov/p2/ES_Slides_HSS_1_06_Rev_3.ppt]</p> <ul style="list-style-type: none"> • Promoted Department-wide participation in the 2007 Electronics Reuse and Recycling Campaign. [http://www.eh.doe.gov/p2/ERRC_Post_Card_nov2006%20_4_.pdf] • Issued Department-wide notification of the Electronic Product Assessment Tool (EPEAT) network becoming operational. [www.eh.doe.gov/p2/EPEAT_post_card2Aug06.pdf] • Issued Department-wide notification of EPEAT network training opportunity. [http://www.eh.doe.gov/p2/teleconference_F.pdf] • Developed a (draft) Acquisition Letter (AL) for DOE contractor purchasing of environmentally preferable electronics. The draft AL addresses the specification of EPEAT-registered products in DOE acquisition contracts, and is currently undergoing internal coordination and review. • Developed a (draft) on-line Electronics Stewardship Reference Tool to communicate the Department's commitment to life- 	<p>electronics, enabling electronics power management capabilities, reusing surplus electronics, and recycling of end-of-life electronics.</p> <ul style="list-style-type: none"> • DOE Headquarters is an active member of the Federal Electronics Stewardship Work Group (FESWG) participating in all monthly meetings since its 2005 inception. • DOE representatives on the FESWG have held multiple educational meetings on the FEC and DOE's commitments under the MOU with the Department's CIO representatives, procurement specialists, and property management personnel. • In support of the 2006 ERRC and Katrina reconstruction efforts in Louisiana, 100 surplus DOE Headquarters computer workstations were shipped to the Belle Chase Middle Schools in Plaquemine Parish for reuse. • In 2006, DOE's Offices of the CIO and Federal Energy Management Program implemented best management practices to reduce energy consumption at Headquarters, including: <ul style="list-style-type: none"> - After-hours shut down of non-critical electronics and electrical equipment in coordination with network security.
--	--	--	--	--

			<p>cycle environmental management of electronic assets to DOE sites, and provide a compendium of relevant policies and implementation strategies, including a case study on electronics stewardship and EMS integration at DOE headquarters.</p> <p><u>Planned actions for next six months</u></p> <ul style="list-style-type: none"> • Update the DOE Electronics Stewardship Implementation Plan to reflect ownership under the newly established Office of Health, Safety, and Security (HSS), and to incorporate best-practices, and other electronic stewardship performance improvement opportunities, as appropriate. • Continue Federal leadership in the FEC, serving on the Federal Electronic Stewardship Working Group (FESWG), and presenting DOE electronics stewardship best-practices at the <i>FEC Conference</i> in February 2007 and <i>Federal Environment Symposium</i> in June 2007. • Participate in the 2007 Electronics Reuse and Recycling Campaign. • Participate in the nomination process for obtaining recognition of DOE electronics stewardship achievement in the 2007 FEC awards, ERRC awards, and White House Closing-the-Circle 	<ul style="list-style-type: none"> - ENERGY STAR® power management features set as network default. - Employee instructional material provided on energy conservation. • DOE's AEE presented Pollution Prevention (P2) <i>Star Awards</i> in 2006 to four DOE sites for sustainable environmental stewardship of Federal electronic assets.
--	--	--	---	--

			<p>competition.</p> <ul style="list-style-type: none"> • Incorporate Department-wide electronics stewardship data (procurement of EPEAT-registered products and recycling of end-of-life electronics) in DOE’s FY 2006 “Greening the Government” Executive Order 13101 and 13148 progress reports. • Continue outreach and education program on the integration of electronic stewardship into site EMSs, including the conduct of multiple day, on-site workshops and development of a one-day Department-wide televideo workshop involving pollution prevention, information management, procurement and property management personnel from multiple sites. • Finalize and post the on-line Electronics Stewardship Reference Tool, a compendium of relevant policies and implementation strategies, including a case study on the integration of electronics stewardship into EMS. • Finalize and distribute the Acquisition Letter for DOE contractor purchasing of environmentally preferable electronics, and specification of EPEAT-registered products in DOE acquisition contracts. 	
--	--	--	--	--

		<p><u>Metric #5</u></p> <ul style="list-style-type: none"> • Compliance Management Plan and implementation strategy: <u>√</u> agency developed <u>May, 2005</u> (G) <u> </u> agency did not develop, but identified related initiatives, plans, and strategies <u> </u>(date)<u> </u>(Y) 	<p><u>Actions taken since July 1, 2006:</u></p> <ul style="list-style-type: none"> • Piloted two questionnaires on Non-compliance Root Cause Analysis, and Environmental Compliance Audit and Corrective Action Process to ascertain comprehensiveness and level of effort for implementation DOE-wide. • Initiated inventory of ES&H and/or EMS policy statements issued by senior managers at major DOE sites affirming (or re-affirming) their commitment to environmental compliance in the conduct of site operations. • Identified environmental performance metrics (including compliance metrics) in use at a sample of DOE sites • Secretary of Energy Samuel W. Bodman’s memorandum to all DOE employees on December 8, 2006, enumerated and emphasized the Operating Principles spelled out in the Department’s new Strategic Plan. The Department’s first Operating Principle is to “Ensure safe, secure, and environmentally responsible operations.” <p><u>Planned actions for next six months:</u></p> <ul style="list-style-type: none"> • Continue to implement the actions described in DOE’s Environmental 	<ul style="list-style-type: none"> • DOE’s Implementation Plan prepared in response to the recommendations of the Environmental Compliance Management Improvement Initiative of the President’s Management Council (PMC), submitted to the Federal Environmental Executive on May 2, 2005. The Plan covers five priority areas: <ul style="list-style-type: none"> - Statement of Line Management’s Expectations (commitment to environmental compliance) - Identification of root causes for non-compliance - Improvement of environmental audits and corrective action processes - Improvement of environmental performance data collection and use - Identification and dissemination of best practices and lessons learned. • Intradepartmental Compliance Improvement Work Group established in 2005 to collect data and develop policy and guidance for improving compliance processes throughout the DOE complex. Three pilot questionnaires on Non-compliance
--	--	--	--	---

			<p>Compliance Management Improvement Implementation Plan.</p> <ul style="list-style-type: none"> • Compile inventory of ES&H and/or EMS policy statements issued by senior managers at major DOE sites affirming (or re-affirming) their commitment to environmental compliance in the conduct of site operations. • Finalize the previously piloted questionnaires. Initiate conduct of root cause and systemic problem analyses of DOE Significant Non-Compliers and other non-compliances. Assess DOE sites' need for field assistance from the newly established Office of Health, Safety, and Security (HSS) in the conduct of environmental non-compliance root cause analyses on-site. 	<p>Root Cause Analysis, Environmental Compliance Audit and Corrective Action Process, and Measures of Environmental Performance developed by work group in 2006 for comprehensiveness and level of effort testing and evaluation.</p> <ul style="list-style-type: none"> • DOE's Chief Financial Officer has issued Field Budget Guidance directing DOE sites to ensure funding and resources needed to implement Environmental Management Systems and corresponding safety, environmental compliance and pollution prevention programs are included in the site FY09 budget submission. • In 2006, DOE requested correction of errors in EPA's Enforcement and Compliance History Online (ECHO) database regarding purported environmental noncompliance at four DOE sites.
--	--	--	---	--