


ENVIRONMENTAL STEWARDSHIP SCORECARD
Department of Energy

		CURRENT STATUS (As of January 1, 2009)		PROGRESS	COMMENTS
<p>ENVIRONMENTAL STEWARDSHIP</p> <p>Senior Agency Official:</p> <p>David Rodgers (Acting)</p> <p>Lead EOP Analysts:</p> <p>Cyndi Vallina Dana Arnold Juan Lopez</p>		<p><u>Metric #1</u></p> <ul style="list-style-type: none"> EMS report card: <ul style="list-style-type: none"> <u>√</u> ≥80% green & ≤5% red on facility metrics (G) ___ <15% red on facility metrics (Y) 		<p><u>Actions taken since July 1, 2008:</u></p> <p>DOE continued to address implementation of the new EMS requirements in EO 13423:</p> <ul style="list-style-type: none"> Submitted data report to EPA (12/31/08) on EMS metric status based on annual reporting by sites. For FY 2008, 88% of DOE sites with EMSs (identified prior to 01/07) are “green” under the EMS scorecard metric. Responded to the OFEE special EMS data call; all DOE sites reported that they are on schedule to declare their EMS “fully implemented” pursuant to EO 13423 by DOE’s declaration date of June 30, 2009, established in coordination with the Federal Environmental Executive. Responded to the OFEE request to document how DOE is addressing the requirement for EMS “at all appropriate levels of the organization” (12/15/08). Distributed complex-wide an Information Brief “Frequently Asked Questions” (07/28/08) in support of DOE Order 450.1A, <i>Environmental Protection Program</i>, which 	<ul style="list-style-type: none"> DOE Order 450.1 Environmental Protection Program (01/15/03) required implementation of EMS at DOE facilities, pursuant to EO 13148 <ul style="list-style-type: none"> 100% of DOE “appropriate facilities” had EMSs in place by June 2006, pursuant to EO 13148. DOE Order 450.1A, <i>Environmental Protection Program</i> (06/04/08), incorporates the new EMS requirements of EO 13423. This Order includes integration of the environmental compliance management improvement requirements of EO 13423 and its Implementing Instructions into EMSs at DOE sites. Information Notice on <i>What’s New in DOE Order 450.1A</i> issued complex wide (6/28/08). Provides information and access to instructional materials on the responsibilities and requirements of DOE Order 450.1A implementing the new EMS requirements and sustainable practices and goals in EO 13423. http://www.hss.energy.gov/nuclear/safety/nsea/oepa/policy/whats_ne

			<p>establishes EMS as the management framework for implementing the sustainable practices and goals of EO 13423. http://homer.ornl.gov/nuclearsafety/env/policy/doe_o_450_1A_faq.pdf</p> <ul style="list-style-type: none"> • Presented a panel of site ES&H managers discussing “Integration of EMS and Integrated Safety Management” at DOE’s annual Integrated Safety Management Workshop in August, 2008. • Continued support by DOE’s EMS Assistance Network (EMSAN) for EMS implementation with monthly conference calls to share information among DOE and contractor staff on EMS requirements of EO 13423 and DOE Order 450.1A. EMSAN is used to provide technical assistance to DOE sites on implementing the environmental compliance management improvement requirements of EO 13423 and DOE Order 450.1A, and to obtain comments on the proposed environmental compliance audit guide. • Continued participation in Interagency Environmental Leadership Workgroup subgroups on EMS metrics and organization-wide EMS guidance. • Conducted environmental compliance management support activities, including: 	<p>w 450 1a notice.pdf</p> <ul style="list-style-type: none"> • Training on EMS requirements, including integration of environmental compliance management requirements, and sustainable practices and goals in EO 13423 and DOE Order 450.1A conducted at DOE workshops held at the conclusion of the June 2008 Federal Environmental Symposia East and West. • DOE’s Chief Financial Officer issues annual Field Budget Guidance directing DOE sites to ensure funding and resources needed to implement EMS and corresponding environmental compliance and pollution prevention programs are included in the annual budgetary process. • Secretary of Energy 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.” • In 2008, provided EMSAN presentation on environmental compliance audit requirements of EO 13423 and DOE Order 450.1A, and formed workgroup to develop implementation guidance on environmental compliance
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			<ul style="list-style-type: none"> - Updated inventory of NOVs, permit exceedances and “Significant Non-complier” designations at DOE sites to assess environmental compliance assistance needs. - Supported sites with correction of errors in EPA’s Enforcement and Compliance History Online (ECHO) database regarding purported environmental noncompliance. • Initiated development of four Guides in DOE’s Directives System: <ul style="list-style-type: none"> - Implementing (revised) DOE O 450.1A - Integrating Sustainable Practices Into EMS - Conducting Compliance Audits - Senior Management Guide to EMS. • Developed and circulated to DOE workgroup for review and comment, a <i>draft</i> Guide on implementing the environmental compliance audit and review requirements of EO 13423 and DOE Order 450.1A. <p><u>Planned actions for next six months:</u></p> <ul style="list-style-type: none"> • Complete site declarations of “fully implemented” EMSs by the DOE 	<p>management improvement at DOE sites, including conduct of environmental compliance audits and root cause analysis of noncompliance issues.</p>
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			<p>deadline of June 30, 2009. This date was established in DOE Order 450.1A, following coordination with the Federal Environmental Executive.</p> <ul style="list-style-type: none"> • Submit follow-up reports on status of “fully implemented” declarations in January and July 2009. • Complete tabulation of DOE site responses to the open-ended metrics questions; submit final written report for FY2008 to EPA and OFEE in February 2009. • Complete and issue four Guides in DOE’s formal Directives System: <ul style="list-style-type: none"> - Implementing (revised) DOE O 450.1A - Integrating Sustainable Practices Into EMS - Conducting Compliance Audits - Senior Management Guide to EMS. • Continue to support and expand EMSAN to provide technical assistance to DOE sites on <ul style="list-style-type: none"> - Upgrading their existing EMSs to meet the new requirements - Incorporating EO 13423 and DOE Order 450.1A sustainable practices and goals, and environmental compliance management elements in site EMSs. 	
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Six Month Progress Report (July - December, 2008)

				<ul style="list-style-type: none">• Conduct DOE sessions on EMS and sustainable practices, and environmental compliance management in conjunction with the Federal Environmental Symposia (East and West) in June 2009.• Continue to support the Interagency Environmental Leadership Workgroup subgroups on metrics and organization-wide EMSs.	
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	<p><u>Metric #2</u></p> <ul style="list-style-type: none"> Green purchasing: <p>___√ Agency has affirmative procurement program (APP) for all green products and services, demonstrates & monitors compliance, develops corrective actions if applicable, and conducts training (G)</p> <p>___ Agency has APP and representative acquisitions for all covered areas (Y)</p>	<p><u>Actions taken since July 1, 2008</u></p> <ul style="list-style-type: none"> Continued to acquire environmentally preferable products, when available, affordable and effective. Conducted annual Prevention Tracking and Reporting System data call covering Department-wide purchases of environmentally preferable products in FY 2008. Data call requested information on DOE purchases of recycled-content products, USDA-designated biobased products, and EPEAT-registered electronics as well as solid waste diversion (recycling). <ul style="list-style-type: none"> Preliminary evaluation of site performance for FY 2008, shows DOE purchases of recycled-content products exceeding \$31 million, and an increase in both the variety of biobased products purchased and the number of DOE sites making these purchases. Biobased products purchased include: diesel fuel additives; penetrating lubricants; roof coatings; bedding/linens/towels; adhesives; construction materials; inks; mastic/finish removers; cutting oils; sealers; herbicides; bio-plastics; and solvents/cleaners/ disinfectants. Continued to provide technical 	<p><u>Comments</u></p> <ul style="list-style-type: none"> DOE implemented policies for the acquisition of environmentally preferable products, including: <ul style="list-style-type: none"> DOE Order 450.1A, <i>Environmental Protection Program</i>, (June 2008) which requires integration of EO 13423 sustainable acquisition practices and goals in EMS. http://www.directives.doe.gov/pdfs/doe/doetext/neword/450/o4501a.pdf 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) http://management.energy.gov/DEAR970.pdf DOE Acquisition Guide, Chapter 23, <i>Strengthening Federal Environmental, Energy, and Transportation Management in Acquisition</i>, was renamed and updated to implement the sustainable acquisition requirements of EO 13423, and includes new items such as the Electronic Product Environmental Assessment Tool (EPEAT), WaterSense, Plug-In Hybrid Vehicles, and

			<p>assistance to DOE sites on implementation of EO 13423 sustainable acquisition requirements and DOE Order 450.1A sustainable acquisition practices and goals, including purchases of recycled-content products, expansion of biobased-content product purchasing, and EPEAT-registered electronics purchasing.</p> <ul style="list-style-type: none"> • Performed a procurement self-assessment at approximately one-third of the contracting activities in FY 2008, including an affirmative procurement review. • Continued outreach and education program on environmentally preferable purchasing at DOE, including quarterly conference calls with site green acquisition advocates (procurement personnel) and pollution prevention coordinators. <ul style="list-style-type: none"> - July 2008, quarterly EPP site teleconference covered website and instructional material updates, EPEAT FAR Case, Forest Stewardship Council Certification, and discussion on the 27 newly designated USDA biobased products. - October 2008, quarterly EPP site teleconference celebrated the 10-year anniversary of the DOE EPP program, and 	<p>Sustainable Design/High Performance Buildings. This Guide 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. http://management.energy.gov/documents/AcqGuide23pt0Rev1.pdf</p> <ul style="list-style-type: none"> - 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. - DOE Acquisition Letter, <i>Environmentally Preferable Purchasing Through the Use of the Electronic Product Environmental Assessment Tool (EPEAT) (AL-2007-08)</i> on DOE contractor purchasing of environmentally preferable electronics, and specification of EPEAT-registered products in DOE acquisition contracts.
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			<p>covered paint recycling, incorporation of EPP in EMS, discussion of model contracts and specifications, the OFPP EPP Policy Letter, and USDA's biobased template language.</p> <ul style="list-style-type: none"> • Initiated development of a Guide under DOE's Directives System on <i>Integrating Sustainable Practices Into EMS</i>, pursuant to DOE Order 450.1A. • Updated the <i>U.S. Department of Energy Environmentally Preferable Purchasing</i> website to reflect EO 13423, DOE Orders 450.1A (Environment) and 430.2B (Energy) sustainable acquisition practices and goals. http://www.hss.doe.gov/pp/epp/ • Updated the <i>U.S. Department of Energy Environmentally Preferable Purchasing Handbook</i> to reflect EO 13423, DOE Orders 450.1A (Environment) and 430.2B (Energy) sustainable acquisition practices and goals. http://www.hss.doe.gov/pp/epp/EP-P-DOE-Handbook-rev12.pdf • Updated the <i>Environmentally Preferable Purchasing at the U.S. Department of Energy</i> training slides to reflect EO 13423, DOE Orders 450.1A (Environment) and 430.2B (Energy) sustainable acquisition practices and goals, and 	<ul style="list-style-type: none"> • DOE <i>Environmentally Preferable Purchasing Program Overview</i> provides guidance on and web-based access to the policies, procedures and reporting related 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." • Detailed information on DOE's Environmentally Preferable Purchasing, including acquisitions of recycled-content, biobased-content, and EPEAT-registered products, is reported in the annual APP progress report to the OFEE and OMB. This report also includes DOE information on solid waste diversion (recycling), green purchasing promotion, training, and compliance monitoring and auditing.
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			<p>information on the USDA's 27 newly designated biobased products.</p> <ul style="list-style-type: none"> • Issued DOE Acquisition Letter (AL 2008-05; 04/03/08), <i>Environment, Energy, and Transportation Management</i>, on the applicability of EO 13423 to contractor operation of Government-owned facilities and/or vehicles, including the sustainable acquisition provisions of the EO. http://management.energy.gov/documents/AL2008-05.pdf • Provided on-site technical assistance and training to Kansas City Plant, Environmental Management Consolidated Business Center (Cincinnati), and DOE Headquarters on EPP, including sustainable acquisition of recycled content and biobased content products, and EPEAT-registered electronics. <p><u>Planned actions for next six months:</u></p> <ul style="list-style-type: none"> • Continue implementing purchase of 27 newly designated biobased products. <ul style="list-style-type: none"> – Continue evaluation and consultation with sites on EPP information received from the annual data call. – Through the DOE EPP hotline 	
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				<p>service, work with sites on any specific issues that arise in the course of transitioning purchasing systems to prefer the 27 newly designated biobased products.</p> <ul style="list-style-type: none"> • Continue to support and expand the Environmental Management System Assistance Network (EMSAN) to provide training and technical assistance to DOE sites on implementing EO 13423 sustainable acquisition practices and goals in sites EMSs. • Continue outreach and education program on environmentally preferable purchasing at DOE, including a website as the main resource of information, holding training workshops, maintaining a hotline call-in service, on-site visits, training templates for sites to adapt to their needs and situation, contact list to facilitate sharing information among DOE sites, and quarterly teleconferences with site green acquisition advocates (procurement personnel), environmentally preferable purchasing coordinators, and managers of designated product areas. 	

	<p><u>Metric #3</u></p> <ul style="list-style-type: none"> Sustainable design/green bldgs: <u>√</u> Implements Guiding Principles and on track to meet the 15% goal by 2015 (G) <u> </u> Implements Guiding Principles on all <i>new</i> building projects & leased space (Y) 	<p><u>Actions Taken Since July 1, 2008</u></p> <ul style="list-style-type: none"> Implemented efforts so that DOE is on track to meet the 15%-by-2015 sustainable existing buildings goal. As of September 30, 2008, 20 DOE buildings (15 owned and 5 leased) met the HPSB principles. These sustainable buildings represent 1,729,614 gross square feet (gsf) (1,186,305 owned and 543,309 leased). Of the total HPSB candidate existing building inventory, 2.20% of gsf conform to the HPSB principles (i.e., achieved U.S. Green Building Council (USGBC) Leadership in Energy and Environmental Design (LEED) certification or higher). <ul style="list-style-type: none"> Platinum - 2 owned buildings totaling 81,347 gsf. Gold - 1 owned building totaling 97,155 gsf and 1 leased building totaling 145,000 gsf. Silver - 7 owned buildings totaling 694,529 gsf. Certified – 5 owned buildings totaling 313,274 gsf and 4 leased buildings totaling 398,309 gsf. Submitted in August 2008, DOE’s Sustainable Building Implementation Plan for implementing the HPSB principles in all capital asset new 	<ul style="list-style-type: none"> DOE Order 430.2B, <i>Departmental Energy, Renewable Energy, and Transportation Management</i> (02/29/08) requires capital asset new construction, major renovations, and 15 percent of existing building inventory incorporate HPSB principles, as specified in EO 13423. Pursuant to this Order: <ul style="list-style-type: none"> new construction and major renovation projects are required obtain LEED Gold Certification; all programs that own or lease real property develop and implement an executable plan to ensure at least 15% of their enduring buildings conform with the HPSB principles by 2015; all procurement specifications for acquiring new leased space are to include a preference for buildings certified as LEED Gold (the renegotiation, or extension of existing leases are also to include provisions that support the HPSB principles); DOE headquarters, Forrestal and Germantown buildings, prominently feature HPSB principles; and Development and implementation of site-specific Executable Plans that
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			<p>construction, major renovations, and 15%-by-2015 of existing (owned and leased) buildings. http://www.hss.energy.gov/pp/DOE/HPSBImpPlan_FINAL_0815_08.pdf</p> <ul style="list-style-type: none"> Continued assurance by DOE program and field elements and the DOE High Performance and Sustainable Buildings Workgroup (HPSBWG) that DOE sites across the complex implement the High Performance Sustainable Building (HPSB) principles for new and existing buildings, including leased buildings, as specified in EO 13423 and DOE Order 430.2B. DOE also continued its leadership role and participation in the Interagency Sustainability Working Group (ISWG). Since July, DOE sites and programs have submitted 35 Executable Plans to Headquarters. These plans, required under DOE Order 430.2B, describe site-specific approaches for achieving environmental and energy sustainability goals, including the HPSB goals of EO 13423, and include: <ul style="list-style-type: none"> assessing the current existing building inventory to determine the extent to which the HPSB principles are being applied; incorporating the HPSB principles 	<p>communicates its commitment toward, and plans for, meeting all of the DOE goals outlined in the Order, including energy, water, sustainable material, and HPSB goals http://www.directives.doe.gov/pdfs/doe/doetext/neword/430/o4302b.pdf.</p> <ul style="list-style-type: none"> DOE Order 450.1A, <i>Environmental Protection Program</i> (o6/04/08) establishes Environmental Management Systems (EMS) as the management framework for implementing the sustainable practices and goals of EO 13423, including HPSB. The Order also specifies a number of sustainable practices related to HPSB, including environmentally preferable purchasing, toxic chemical use reduction, and recycling. http://www.directives.doe.gov/pdfs/doe/doetext/neword/450/o4501a.pdf The Secretary of Energy issued a memorandum entitled <i>DOE Federal Leadership in High Performance and Sustainable Buildings</i> (02/29/09) that re-affirms DOE's commitment to meeting or exceeding the EO 13423 HPSB goals, including having all new building construction and major renovation projects implement the
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			<p>in all capital asset building new construction and major renovations through certification to the LEED Gold standard; and</p> <ul style="list-style-type: none"> - ensuring that leases include preferences for buildings certified to the LEED Gold standard. <ul style="list-style-type: none"> • As prescribed in the Sustainable Building Implementation Plan (SBIP), tracked DOE progress in achieving the sustainable building goals of EO 13423 and DOE O 430.2B. Examples of DOE progress in implementing HPSB principles over the reporting period include: <ul style="list-style-type: none"> - The National Renewable Energy Laboratory (NREL) prepared the LEED platinum registration for its Research Support Facility. This 210,000 square-foot facility is planned to be a model for sustainable, high-performance building design, and will provide LEED Platinum DOE-owned work space for staff who currently occupy non-LEED certified leased space in a nearby office park. - The Fermi Lab executable plan states that LEED standards have been integrated into its design practices. All new construction projects are analyzed at the conceptual design review stage for conformance to LEED standards. Fermi Lab has 	<p>HPSB principles and be certified as LEED Gold or better. It further instructs all DOE real property owning and leasing programs to ensure that 15% of enduring buildings are compliant with the HPSB principles by 2015.</p> <p>https://www.hss.energy.gov/pp/hp/sb/S-1_DOEFederalLeadershipinHighPerformanceandSustainableBuildings2008-02%2029.pdf</p> <ul style="list-style-type: none"> • In June 2008, the Department circulated instructions for developing Executable Plans required by DOE Order 430.2B. The instructions describe how DOE sites are to develop a plan for assessing current building inventory to determine the extent to which the HPSB principles are being applied, to incorporate the principles in all new construction, and to ensure that leases include preferences for buildings certified to the LEED Gold standard. <p>http://www.hss.energy.gov/pp/DOE_Order_430_2B_Executable_Plan_Guidance_Final.doc</p> <ul style="list-style-type: none"> • In June 2008, DOE Guide 413.3-6, <i>High Performance Sustainable Building</i> was published in the DOE Directives System. The Guide focuses on incorporating HPSB principles in program and project management of capital assets involving new construction and major renovation of facilities,
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			<p>revised specifications to require the use of low VOC paints, strengthened the waste minimization/pollution prevention statement, and required reporting of the use of recycling vendors for construction debris.</p> <ul style="list-style-type: none"> - Construction of the LEED-platinum designed 108,000-gsf Morgantown Technology Support Facility (TSF) at NETL was completed in August 2008. The energy-star-approved office building uses natural lighting and a vegetative roofing system that includes capture of rainwater for use throughout the facility. NETL is awaiting final USGBC review for platinum certification. - Lawrence Livermore National Laboratory (LLNL) revised its master template for Plant Design Criteria (MAS-DES-0001) to include policy, materials, and reporting requirements that will comply with LEED Gold standards and incorporate the concepts of sustainability as defined in EO 13423 at the earliest possible point in the project development process. - In October, DOE's Office of Legacy Management's Visitors Center in Fernald, Ohio, achieved LEED Platinum certification. This building is the first in Ohio, the 	<p>pursuant to the HPSB requirements of DOE Order 413.3A and EO 13423. http://www.directives.doe.gov/pdfs/doe/doetext/neword/413/g4133-6.pdf</p> <ul style="list-style-type: none"> • In 2008, the HPSBWG developed, tested, implemented, and disseminated an assessment tool to DOE sites for use in evaluating how their buildings conform to the HPSB principles. The tool includes a checklist for evaluating conformance with the principles (which is a modification of the "LEED for Existing Buildings, Operations and Maintenance Certification Checklist" that matches LEED credits to their corresponding HPSB principles). The assessment tool calculates the percentage of HPSB principles met and/or the level of LEED certification attained. - Beta tests were conducted at eight DOE sites to evaluate LEED templates and the Existing Building Assessment Tool (EBAT) via webinars or on-site assistance visits with SNL, LLNL, PPNL, ORNL, ANL, Hanford, NETL, and LBNL. Based on feedback from beta tests, the tool was rolled out to all DOE sites, and made available to all interested Federal agencies.
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			<p>second in the DOE complex, and one of only 100 worldwide to obtain LEED platinum certification. http://www.energy.gov/6655.htm</p> <ul style="list-style-type: none"> - In October, the Nevada Site Office received LEED Silver Certification under New Construction for its Building B3 Remediation and Upgrade. - DOE elements began and continue to populate the newly created sustainability fields in the Department's Project Assessment Reporting System (PARS). DOE uses these new data to track and report on the status of HPSB principles implementation in new construction and major renovation projects. - DOE sites began to evaluate how well their existing building inventories meet the HPSB principles using the SBIP Existing Buildings Assessment Tool (EBAT). - EBAT results are recorded in DOE's Facilities Integrated Management System (FIMS), which tracks sustainability status at the building level and allows for summary reporting of site assessment status. 	<ul style="list-style-type: none"> - EBAT is summarized in DOE's SBIP, and the full tool is available at http://www.hss.energy.gov/pp/DOE_HPSB_Assessment_8-18-08.xls. • DOE's real property inventory is documented in both the Facilities Integrated Management System (FIMS), which tracks real property assets, and the Federal Real Property Reporting System (FRPRS). <ul style="list-style-type: none"> - In 2008, DOE modified FIMS to include fields that allow for tracking compliance with the Guiding Principles as well as documentation of LEED-registered and certified buildings. - To facilitate site use of the new fields, DOE expanded the FIMS administration and helpdesk to support additional users, and the DOE Office of Engineering and Construction Management provided training on the new FIMS sustainable building elements to site FIMS administrators at the Department's FIMS/Real Property Workshop in June 2008. - FIMS also provides the candidate inventory for reporting progress in meeting the goal of
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			<ul style="list-style-type: none"> - Data on existing building inventory conformance with HPSB principles was provided in DOE's 2008 Federal Real Property Profile (FRPP) Report, established by the Federal Real Property Council. • As of September 30, 2008, 2,661 DOE-owned buildings (54.19% of buildings in the candidate existing building inventory) totaling 34,169,345 gsf (43.44% of total gsf in candidate existing building inventory) had been assessed for sustainability. An additional 2,256 DOE-owned buildings, representing 44,485,143 gsf had been assigned dates by which EBAT sustainability assessments are to be conducted. • Prepared executable plans in 2008 that contain specific language requiring all procurement specifications and selection criteria for acquiring new leased space, including build-to-suit lease solicitations, contain a preference for LEED gold certified buildings. <ul style="list-style-type: none"> - Based on HPSBWG sustainable building lease recommendations, the DOE Senior Agency Official has drafted a letter to GSA on lease preferences regarding HPSB for build-to-suit and existing space leases. This letter will be sent in January 2009. • As of September 30, 2008, 	<p>having 15% of the existing buildings conform to the HPSB principles by 2015. The candidate inventory includes all enduring buildings (owned and leased) greater than 1,000 gsf that are not shut down or outgranted in their entirety and will not be exceeded or disposed by 2015.</p> <ul style="list-style-type: none"> - As of September 30, 2008, the candidate inventory consisted of 4,917 buildings (78,654,488 gsf). • A list of LEED-certified buildings is available at http://www.hss.energy.gov/pp/DOE_LEED_Buildings_120308.xls
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			<p>assessed 5 buildings out of the 282 DOE-leased buildings (6,191,974 gsf) in the candidate existing building inventory as sustainable buildings. These leased sustainable buildings represent 543,309 gsf, or 8.77% of the total candidate existing building inventory. Other examples of site-specific HPSB leasing progress over the reporting period include:</p> <ul style="list-style-type: none"> - NREL leased 26,926 square feet of LEED-Gold office space at the Golden Hill Office Complex located approximately 2 miles from the Administration Support Offices in the Denver West Office Complex. The lease agreement began in November 2008 and ends in 2013. - Kansas City Plant operation is scheduled to move to a new building leased by GSA in 2012. The site development and building specifications require that the new building attain LEED Gold certification with an emphasis on water conservation and energy efficiency. - Although leased from GSA and therefore not included in the DOE candidate existing building inventory, the DOE headquarters buildings in Washington, DC and Germantown, MD have, as a direct result of DOE-initiated and funded efforts, incorporated many 	
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			<p>HPSB principles and state-of-the-art energy, water efficiency, and renewable energy technologies.</p> <ul style="list-style-type: none"> • Through the HPSBWG, continued to provide training and outreach to facilitate implementation of the HPSB principles across the DOE-complex. Examples of progress in this area over the reporting period include: <ul style="list-style-type: none"> - In July, the HPSBWG held a tailored training webinar entitled <i>Building Compliance with the Sustainability Goals of EO 13423 -- Developing Tools and Strategies to Get to 15% HPSB Inventory by 2015</i>, which covered EO 13423 and DOE Order 430.2B sustainable building goals, DOE’s approach to implementation of HPSB principles in new construction, “Getting to 15% Step by Step,” EBAT demonstration and checklist, and progress tracking and reporting. - In the fall of 2008, the HPSBWG, chaired and sponsored by EERE, developed and began pilot testing the DOE HPSB web site. This site contains a variety of resources and tools to assist DOE sites in implementing the HPSB principles in new and existing buildings, including and leased buildings. It will be launched in spring of 2009. 	
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			<ul style="list-style-type: none"> - In August 2008, DOE provided a briefing to the Sustainable Buildings Subcommittee of the Department of the Treasury, enabling another agency to make use of the EBAT. • Continued to recognize outstanding HPSB performance. In November 2008, DOE began soliciting applications for the 2009 White House Closing the Circle (CTC) Awards in all categories, including the HPSB category. <ul style="list-style-type: none"> - DOE's National Renewable Energy Laboratory received an Honorable Mention in the 2008 White House CTC competition for its "First LEED Platinum Laboratory" entry. • Achieved the LEED Accredited Professional designation by 53 DOE federal and contractor personnel. <p>[Supplemental information on DOE's plans and progress implementing the HPSB principles complex-wide is provided in the attached OMB/OFEE Sustainable Buildings Worksheet.]</p> <p><u>Planned actions for next 6 months</u></p> <ul style="list-style-type: none"> • Continue leadership and participation in the DOE HPSBWG and ISWG to facilitate implementation of HPSB Guiding Principles across the complex and 	
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			<p>the federal government.</p> <ul style="list-style-type: none"> • Prepare and submit annual SBIP update to OMB/OFEE with July scorecard detailing agency progress. • Monitor site progress in meeting the HPSB approaches and goals set forth in their Executable Plans. • Continue existing building sustainability assessments and actions to achieve 15% candidate existing building inventory conformance with the HPSB principles by 2015, as described in the SBIP. Specific examples of planned 2009 assessment and implementation actions to remain on track for meeting the 2015 goal include the following: <ul style="list-style-type: none"> - Pantex Plant to develop a contract with an experienced, external organization to evaluate all existing Plant buildings to determine which conform with the HPSB principles, and identify those that could be cost-effectively upgraded to meet the requirements. From these evaluations, projects will be proposed for Congressional authorization to improve HPSB conformance in existing buildings. - NETL will perform an engineering re-assessment of the Building 925 Day Care Facility, collect 	
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				<p>metering data, and possibly re-commission the building, to develop supporting documentation and to define any additional work needed to incorporate the Guiding Principles. As part of this re-evaluation process, NETL also intends to achieve LEED Gold-EB certification for the building.</p> <ul style="list-style-type: none"> - NETL will begin renovating the 3-story Building 83 (currently a high-pressure coal liquefaction research facility) to contain laboratories, offices and conference rooms to conform to the HPSB principles and LEED Gold-EB certification standard. - LLNL will submit one existing facility to the USGBC for review and certification by the end of FY 2009; a request for HPSB project funding (\$90K) has been approved by the LLNL Facility Governance Board. - LLNL's Computations Directorate plans to develop and submit an LEED Gold-EB registration for the office and data center buildings that compose the Terascale Simulation Facility. - Brookhaven National Laboratory will complete an existing building inventory assessment and plans to issue a formal report in April 	
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			<p>2009 to be included in its Ten Year Site Plan. This will serve as a site baseline for the 15%-by-2015 sustainable buildings.</p> <ul style="list-style-type: none"> • DOE is developing an <i>Implementation Guide for Integrating Sustainable Practices into Environmental Management Systems</i>, for issuance in 2009, which describes how sustainable practices such as energy efficiency, environmentally preferable purchasing, HPSB, and other sustainable practices identified in EO 13423 become integrated in the EMS. • Continue tracking and reporting on HPSB implementation progress by: <ul style="list-style-type: none"> - Inputting results of the EBAT building-level evaluations into FIMS and the FRPRS, which serve as central locations for tracking Departmental progress in meeting the 15%-by-2015 goal, and roll up results to the program level for performance reporting. - Providing quarterly reports on HPSB implementation in New Construction from PARS and quarterly reports on HBSP implementation in existing buildings from FIMS. • Continue implementing the HPSB principles in all new construction projects and attain LEED Gold 	
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			<p>certification (or greater) for all new construction and major building renovations in excess of \$5 million. Specific planned new construction actions include the following:</p> <ul style="list-style-type: none"> - If the new Pantex Administrative Support Facility (under Complex Transformation) is approved, plan and design it as a LEED Gold building. - Prepare LEED Gold registration for the Integrated Biorefinery Research Facility (IBRF) at NREL. The IBRF is a combination of laboratories, high-bay refinery plant, and offices. - Prepare LEED Gold registration for Argonne National Laboratory's (ANL) Energy Sciences Building (ESB). <ul style="list-style-type: none"> • Sandia National Laboratories (SNL) will promote a sustainable campus, to ensure the greatest number of sustainable buildings. The Labs will standardize site-wide practices, such as recycling and space cleaning, to be consistent with green building values, and institutionalize such practices by revising site policies and procedures consistent with HPSB principles. • Continue efforts to incorporate HPSB principles in leases. Specific planned actions include the 	
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			<p>following:</p> <ul style="list-style-type: none"> - Pursue LEED Gold for GSA space in Morgantown. The Office of Legacy Management (LM) is evaluating cost estimates to achieve LEED Gold Certification with the GSA landlord for the LM Records Storage Facility in Morgantown. The Records Storage Facility will initiate operations in FY 2010. - Incorporate energy conservation as part of standard Office of Environmental Management Consolidated Business Center (EMCBC) lease procurements. EMCBC to work with GSA to incorporate environmentally preferable products in the build-out of new leased space and to ensure incorporation of energy conservation essentials as part of standard leased space procurements. • Continue HPSB training and outreach to DOE sites, including: <ul style="list-style-type: none"> - Establish tailored curriculum for full-day DOE HPSB workshop that focuses on LEED, the HPSB principles, and use of EBAT. - Host 2 to 3 full-day DOE HPSB workshops at DOE sites to facilitate broad incorporation of the HPSB principles. - Continue updating DOE HPSB 	
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			<p>web site to add lessons learned and best practices from DOE sites.</p> <ul style="list-style-type: none"> - Include building sustainability and adherence to the HPSB principles in the FY2009 Facilities Information Management System Workshop. • Implement at SNL an educational campaign to help explain the drivers behind the Sustainable Design program and the mechanics of implementing both the technical and policy aspects associated with sustainable building certification and a campus-wide approach. The campaign will include sustainable design awareness training for SNL personnel; completion and maintenance of internal and external Sustainable Design web sites; publication of fact sheets, brochures, press releases and other material promoting sustainable design; and collaboration with other sustainable building organizations, e.g., Labs 21, USGBC. • Issue guidance on <i>Integrating Sustainable Practices into Environmental Management Systems</i>. • Maintain High Performance Federal Building Database. 		
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	<p><u>Metric #4</u></p> <ul style="list-style-type: none"> Electronic stewardship (ES): <u>√</u> Acquires ≥ 95% EPEAT-registered electronics; enables Energy Star features; extends life & uses sound disposition practices (G) <u> </u> Has ES plan & on track to implement goal by 2010 (Y) 	<p><u>Actions taken since July 1, 2008:</u></p> <ul style="list-style-type: none"> 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. Preliminary evaluation of site performance for FY 2008 reveals the following: <ul style="list-style-type: none"> More than 97% of DOE electronics purchases were EPEAT-registered. Over 95% of DOE sites employ power management practices. More than 98% of surplus and end-of-life electronics were reused or recycled. DOE won the Agency Award for the Electronics Reuse and Recycling Campaign (ERRC) for the third year in a row. Twenty-two participating DOE sites recycled and reused more than 2.1 million pounds of end of life electronics, almost one-quarter of the campaign total in 2008. <ul style="list-style-type: none"> Additionally, five DOE National Laboratories won best-in-class ERRC Facility Awards: Idaho, Fermi, Sandia, Argonne, and Brookhaven. Two DOE sites were runners-up – Lawrence 	<ul style="list-style-type: none"> DOE’s Chief Information Officer (CIO) issued a 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) established Sustainable Environmental Stewardship goals to be achieved Department-wide. The Order required incorporation of the goals into Environmental Management Systems (EMSs) and specifies electronics stewardship strategies for achieving the goals, including procurement of environmentally preferable electronics, enabling electronics power management capabilities, reusing surplus electronics, and recycling of end-of-life electronics. On June 4, 2008, the Deputy Secretary of Energy approved DOE Order 450.1A, <i>Environmental Protection Program</i>, establishing new sustainable environmental stewardship goals for the Department, including an electronics stewardship goal, and integrating EO 13423 sustainable
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			<p>Berkeley National Laboratory and the Strategic Petroleum Reserve.</p> <ul style="list-style-type: none"> • In August, reached a precedent-setting agreement with the Federal Electronics Challenge to share green procurement, operations, and recycling data from the DOE Pollution Prevention Tracking and Reporting System (PPTRS) for 2008 and subsequent years. This annual data harvest from all DOE sites will now be utilized for FEC annual reporting, reducing administrative burdens for DOE facilities. DOE will become the first federal agency to report agency-wide data totals as an FEC Agency Partner. <ul style="list-style-type: none"> - Additionally, as part of the FEC agreement, DOE committed to enrolling its remaining non-FEC sites as FEC Facility Partners in 2009-2010, in order to become the first Federal agency to have all of its sites recognized as FEC Partners. In the meantime, the Department has already successfully implemented an equivalent electronics stewardship program through DOE Order 450.1A that is consistent with FEC's recommended practices and guidelines. - Currently 25 DOE sites are FEC Partners, representing about 70% of DOE and DOE contractor 	<p>electronic stewardship practices and goals into EMSs at DOE sites. http://www.directives.doe.gov/pdfs/doe/doetext/neword/450/o4501a.pdf</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 Electronics Stewardship Implementation Plan, first issued in 2006, identified departmental actions for implementing the commitments set forth in the <i>Memorandum of Understanding (MOU) Promoting Sustainable Environmental Stewardship of Federal Electronic Assets</i>. <ul style="list-style-type: none"> - Updated in 2007 to reflect ownership under the newly established Office of Health, Safety, and Security (HSS), and the electronic stewardship requirements of EO 13423. • Expanded outreach and education on the integration of electronics stewardship into DOE site EMSs, conducting multiple day, on-site workshops at Brookhaven and Idaho National Laboratories in 2006, providing electronics stewardship presentations at the CIO Cybersecurity National Conference, the Federal
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			<p>personnel and mission budget.</p> <ul style="list-style-type: none"> • In October, issued a revised Information Brief on <i>Implementing Electronics Stewardship at DOE Facilities</i> to the DOE Complex. This Information Brief highlights sustainable practices and goals of EO 13423 and DOE-Order 450.1A and describes the expand performance reporting under DOE's equivalent electronics stewardship program. http://www.hss.doe.gov/nuclearsafe/nsea/oepa/guidance/p2/electronics_stewardship.pdf. • Continued outreach and education programs on the implementation of electronics stewardship at DOE sites. DOE conducted monthly conference calls with DOE IT, acquisition, property management, and EMS staff, promoted Department-wide participation in the 2008 Electronics Reuse and Recycling Campaign, and recruited new members for the FEC. • Continued to provide federal leadership in electronics stewardship on the Federal Electronics Stewardship Working Group (FESWG). DOE served as Federal representative to the EPEAT Advisory Board, and presented on electronics stewardship at the DOE CIO Information Management 	<p>Electronics Challenge (FEC) Conference in 2007, and the DOE EMS Workshop that followed the 2008 Federal Environmental Symposium.</p> <ul style="list-style-type: none"> • DOE representatives on the FESWG have held multiple educational meetings on the FEC and DOE's commitments under EO 13423 and DOE Order 450.1A with the Department's CIO representatives, procurement specialists, and property management personnel. • DOE's Offices of the CIO and Federal Energy Management Program have 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. - ENERGY STAR® power management features set as network default. - Employee instructional material provided on energy conservation. • DOE Office of the CIO established EPEAT registration (environmentally preferable electronics) as a procurement
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			<p>Conference, the Green Computing Summit, and to the Senate Homeland Security Committee Minority Staff.</p> <ul style="list-style-type: none"> • Replaced more than 7,000 DOE computers with “Thin Client” computing stations, which reduced associated energy usage by more than 50%, doubled the lifecycle of the equipment, and significantly reduced maintenance and operations needs. Many of the stations were rebuilt ex-PCs, using existing DOE equipment. <p>[Supplemental information on DOE’s plans and progress implementing the electronics stewardship goals is provided in the attached OMB/OFEE Electronics Stewardship Worksheet.]</p> <p><u>Planned actions for next six months:</u></p> <ul style="list-style-type: none"> • Prepare FY 2008 annual progress report for activities related to EO 13423 sustainable acquisition practices and goals, highlighting DOE purchases of recycled-content products, expansion of biobased-content product purchasing, EPEAT-registered electronics purchasing, and solid waste diversion including recycling of end-of-life electronics. • Several DOE Offices, including the Federal Energy Management 	<p>requirement in its FY 2007 and 2008 acquisition of Headquarters electronics (desktop computers, notebooks, and monitors).</p> <ul style="list-style-type: none"> • DOE Acquisition Letter, <i>Environmentally Preferable Purchasing Through the Use of the Electronic Product Environmental Assessment Tool (EPEAT)</i> (AL-2007-08) issued on DOE contractor purchasing of environmentally preferable electronics, and specification of EPEAT-registered products in DOE acquisition contracts (04/27/07). • DOE has won the Federal Electronics Reuse and Recycling Campaign (ERRC) Agency Award for three years in a row (2006-2008). DOE participation in the 2008 ERRC increased from nineteen to twenty-one sites. DOE sites have won nine national facility awards for recycling the most electronics in their facility categories during the ERRC. • Seven DOE sites were recognized by the FEC with awards in 2008: Silver Awards to the Brookhaven National Laboratory and the National Renewable Energy Laboratory and Bronze Awards to the Fermi National Accelerator Laboratory, the Idaho National Laboratory, the Paducah Site, the
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			<p>Program and the CIO, will expand the “Save Energy Now” program to provide energy assessment tools, and consulting on energy efficiency practices to promote energy savings at data centers in DOE and other federal agencies.</p> <ul style="list-style-type: none"> • Issue guidance on <i>Integrating Sustainable Practices into Environmental Management Systems</i>, to support implementation of DOE Order 450.1A, <i>Environmental Protection Program</i>. This Guide supports integrating EO 13423 electronic stewardship goals into EMSs, including specific sustainable electronics stewardship practices for DOE procurement, IT operations, and property management programs. • Update and expand the DOE Electronic Stewardship Implementation Plan, to be completed by the end of 2009. • Continue to upgrade and enhance its PPTRS program, to further improve and refine data collection from DOE sites for FEC, OFEE, and OMB reporting purposes, and to improve the system’s analytical capabilities. • Analyze the 2008 PPTRS performance data to identify site-specific obstacles and assistance 	<p>Portsmouth Gaseous Diffusion Plant, and Sandia National Laboratories/New Mexico.</p> <ul style="list-style-type: none"> • DOE Headquarters received a 2007 White House Closing-the-Circle Award for “Green Electronics Partners”, the first award given in the new electronics stewardship category. • DOE headquarters has presented six Pollution Prevention (P2) <i>Star Awards</i> from 2006 through 2008 to different DOE sites for sustainable environmental stewardship of Federal electronic assets.
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				<p>opportunities for electronics stewardship continuous improvement.</p> <ul style="list-style-type: none">• Expand field participation in the FY09 ERRC program to more than 25 sites by end of FY09. More than seven DOE sites will apply for FEC award recognition in January 2009.• Continue to pursue "Thin Client" workstations, and plans to install more than 11,000 thin client stations by mid-2010, representing 12% of DOE desktop computing operations.	
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