

SUBJECT: DEPARTMENTAL SUSTAINABILITY

1. **PURPOSE.** Provide requirements and responsibilities for managing sustainability within the Department of Energy (DOE) to (1) ensure the Department carries out its missions in a sustainable manner that addresses national energy security and global environmental challenges, and advances sustainable, efficient and reliable energy for the future, (2) continue to factor sustainability and greenhouse gas (GHG) reductions into all DOE corporate management decisions, (3) ensure DOE works towards the sustainability goals established in its Strategic Sustainability Performance Plan (SSPP) pursuant to applicable laws, regulations and Executive Orders (EO), related performance scorecards, and sustainability initiatives; and (4) ensure consideration of, planning for, and adaptation to the effects of climate change on the Department's operations and programs.
2. **CANCELLATIONS.** DOE O 450.1A, *Environmental Protection Program*, dated 06-04-08, and DOE O 430.2B, *Departmental Energy, Renewable Energy and Transportation Management*, dated 2-27-08. Cancellation of these directives does not, by itself, modify or otherwise affect any contractual or regulatory obligation to comply with these directives. Contractor Requirements Documents that have been incorporated into a contract remain in effect throughout the term of the contract unless and until the contract is modified to either eliminate requirements that are no longer applicable or substitute a new set of requirements.
3. **APPLICABILITY.**
 - a. **All Departmental Elements.**
 - (1) Except as noted in paragraph 3.c., this Order applies to all Departmental elements responsible for the management and operation of the Department's facilities; fleets; facilities construction, demolition and remediation; and/or facility infrastructure improvements, including elements of the National Nuclear Security Administration (NNSA).
 - (2) The Administrator of NNSA will ensure that NNSA employees comply with the requirements and responsibilities under this directive. Nothing in this Order will be construed to interfere with the NNSA Administrator's authority under section 3212(d) of Public Law (P.L.) 106-65 to establish Administration-specific policies, unless disapproved by the Secretary.
 - b. **DOE Contractors.** The Contractor Requirements Document (CRD), Attachment 1, sets forth requirements of this Order that will apply to contracts for the management and operation (M&O) of the facilities; fleets; facilities construction and demolition; facility infrastructure improvements; and/or other contracts under which the contractor manages supply and service acquisitions for Government facilities, fleets or mission operations.

c. Equivalencies/Exemptions for DOE O 436.1.

- (1) Equivalency. In accordance with Section 302 of the Department of Energy Organization Act of 1977, Section 302, and consistent with Secretarial memorandum of January 28, 2011, the Secretary operates and maintains the Power Marketing Administrations (PMAs) electric power transmission systems by and through the PMA Administrators. PMAs shall submit requested information regarding resource use and emissions, and are encouraged to work closely with the Sustainability Performance Office on assisting the Department in achieving its sustainability goals.
- (2) Equivalency. In accordance with the responsibilities and authorities assigned by E.O. 12344, codified at 50 USC sections 2406 and 2511, and to ensure consistency throughout the joint Navy/DOE Naval Nuclear Propulsion Program, the Deputy Administrator for Naval Reactors (Director) will implement and oversee requirements and practices pertaining to this directive for activities under the Director's cognizance, as deemed appropriate. The Director shall submit requested information regarding resource use and emissions.

4. REQUIREMENTS. The Department will:

- a. work toward compliance with sustainability requirements contained in:
 - (1) EO 13693 (Planning for Federal Sustainability in the Next Decade);
 - (2) EO 13653 (Preparing the United States for the Impacts of Climate Change);
 - (3) National Energy Conservation Policy Act (NECPA);
 - (4) Energy Policy Acts (EPAAct) of 1992 and 2005;
 - (5) Energy Independence and Security Act (EISA) of 2007;
 - (6) Energy Efficiency Improvement Act of 2015;
 - (7) Farm Security and Rural Investment Act of 2002;
 - (8) Resource Conservation and Recovery Act (RCRA);
 - (9) Pollution Prevention Act of 1990;
 - (10) Federal Information Technology Acquisition Reform Act (FITARA);
 - (11) Federal Buildings Personnel Training Act of 2010
 - (12) Telework Enhancement Act of 2010; and

- (13) Related statutory and administrative requirements.
- b. Continue to adhere to the inventory and reporting requirements of Section 301 through 313 (including implementing regulations) of the Emergency Planning and Community Right-to-Know Act (EPCRA), at DOE facilities.
- c. Prepare and submit an annual SSPP to the Office of Management and Budget (OMB) and the Council on Environmental Quality (CEQ). The SSPP will describe the actions that the Department will take to achieve its sustainability goals. The SSPP will:
 - (1) Maintain the policy statement committing the Department to compliance with environmental and energy statutes, regulations, and EOs.
 - (2) Define specific strategies to accomplish the E.O. 13693 goals, as applicable, including approaches for achieving the goals, milestones and quantifiable metrics for Departmental implementation.
 - (3) Identify and plan for the effects of climate change on the Department's operations and programs.
- d. Prepare and submit any other required plans, reports and related data as requested pursuant to the EOs and laws listed above, including Departmental scorecards.
- e. Incorporate climate change preparedness, resilience and adaptation, as appropriate, in planning and operational processes at all appropriate levels, including building construction, operation, repair and renovation; acquisition of products and services and supply chain management; design, operation and maintenance of mission critical water, energy, communication, and transportation infrastructure; emergency response and planning; facility and operational safety; regional coordination and planning; and other systems and processes potentially affected by climate change.
- f. Ensure that staff complete, as appropriate, sustainability and climate-related training.
- g. Use alternative financing and performance contracts for energy saving and sustainability projects to the maximum extent practicable.

5. RESPONSIBILITIES.

- a. Chief Sustainability Officer (CSO).
 - (1) Fulfills CSO duties as stated in E.O. 13693.
 - (2) Submits plans and data on sustainability implementation, including annual SSPPs and GHG inventories, as well as other reports and information, to the Director of OMB, the Chair of CEQ, the Federal Chief Sustainability

Officer, and their staff, on such schedule and in such format as they require.

- (3) Reports to the Secretary on the adequacy and effectiveness of the SSPP and other sustainability related goals and initiatives.
- (4) Chairs the DOE Senior Sustainability Steering Committee (SSSC). The SSSC establishes the strategic direction for DOE's sustainability efforts, makes related policy decisions and aligns DOE's business practices with sustainability goals and requirements. The SSSC will meet quarterly.
- (5) Participates in the Federal Interagency Sustainability Steering Committee or designates a representative.

b. Director, Sustainability Performance Office (SPO).

- (1) Serves as the Department's principal point of contact relating to sustainability.
- (2) Supports the CSO in the execution of duties regarding sustainability including monitoring performance, developing instructions and guidance, reporting, data collection and analysis, and implementing and updating the SSPP.
- (3) Reports on DOE sustainability matters in coordination with other Departmental elements, as appropriate.
- (4) Serves on interagency workgroups, councils, boards, and in interactions with other Federal agencies, including OMB and CEQ, or coordinates DOE's delegate, on sustainability matters.
- (5) Chairs the DOE Sustainability Working Group (SWG). The SWG sanctions all DOE corporate sustainability related workgroups.
- (6) Chairs the DOE Energy Savings Performance Contract (ESPC) Review Board.
- (7) Provides technical assistance to support Departmental elements on sustainability issues, including providing data summaries, analysis and projections.
- (8) Fosters performance and excellence in Departmental sustainability efforts through annual recognition of outstanding sustainability contributions and accomplishments.
- (9) Maintains Departmental sustainability database to streamline reporting and ensure that current and archived analytical data are available for performance analysis and process improvement.

- (10) Assigns sustainability activities to appropriate corporate Departmental elements as agreed to by that identified element.
- c. Under Secretaries, and the Administrators of the Power Marketing Administrations (PMAs).
- (1) Support the CSO in developing and meeting sustainability goals, as well as the goals and requirements of the SSPP and this Order, through the Program Secretarial Offices (PSOs) and Field Managers, by executing assigned sustainability duties, as applicable.
 - (2) Support the CSO in external and internal reporting and communications.
- d. Program Secretarial Officers (PSOs).
- (1) Support their Under Secretary in the implementation of sustainability goals, targets, milestones, projects and this Order as appropriate and assigned by PSO/NNSA management.
 - (2) Work with Field Managers to respond to Departmental sustainability reporting requirements.
 - (3) Ensure the development, review, submission and implementation of Site Sustainability Plans (SSPs) as defined in the SSPP and SSP Guidance.
 - (4) Plan, resource implement, monitor, report and manage the achievement of the PSO's sustainability goals. This includes integrating sustainability into facilities and infrastructure planning, management, and investment decisions.
 - (5) Facilitate identification and implementation of Energy Performance Contracts.
 - (6) Ensure all personnel whose actions are affected by this Order receive proper awareness training on its requirements.
 - (7) Establish program budget guidance that integrates sustainability into investment decisions.
- e. Field Managers.
- (1) Prepare, submit and implement the SSP and associated required data. Ensure appropriate quantifiable sustainability and energy goals/targets are integrated into contracting documents, such as the Performance Evaluation and Measurement Plans (or equivalent).
 - (2) Plan, resource, implement, monitor, and report on the site's sustainability goals.

- (3) Ensure reinvestment of verified savings associated with sustainability projects, consistent with Federal regulations and DOE guidance, to further sustainability goal achievement.
 - (4) Ensure ongoing implementation of formal Environmental Management Systems (EMS), and deploy new EMSs, where appropriate.
 - (5) Monitor site performance in implementing the requirements of this Order for the achievement of DOE's sustainability goals and make such information available annually to their PSO/Associate Administrator.
 - (6) Ensure regional Departmental actions consider and are consistent with the sustainability and climate preparedness priorities of states, local governments, and tribal communities where Departmental facilities are located.
 - (7) Ensure that sites under their purview provide the DOE Federal Energy Management Program (FEMP) all contracts for utilities services and modifications to such contracts (excluding administrative or incremental funding modifications) prior to execution for review and concurrence by the FEMP, SPO, and the Office of General Counsel (OGC).
- f. DOE Corporate Partners. The SPO will coordinate and collaborate with corporate partners. The SPO will also assign and delegate activities as appropriate in agreement with that partner, based on partner mission, expertise and experience.
- (1) Director, Office of Management works with the SPO, and
 - (a) Provides budgetary, personnel and administrative support for SPO operations.
 - (b) Ensures that leases and contracts for lessor or contractor operation of Government-owned buildings or vehicles facilitate the achievement of the Department's sustainability goals.
 - (c) Develops, maintains and implements policies to promote sustainable commuting and work-related travel practices for Federal employees that foster workplace vehicle charging, encourage telecommuting, teleconferencing, and reward carpooling and the use of public transportation.
 - (d) Develops and maintains a professional development program for facility managers that includes resource conservation requirements and sustainability practices.
 - (e) Ensures the Department's Headquarters locations lead by example in pursuing sustainability activities consistent with the Department's goals and SSPP.

- (2) Associate Under Secretary for Environment, Health, Safety and Security partners with the SPO, and
 - (a) Develops and maintains policies and directives for environmental protection, including the conservation and preservation of natural and cultural resources.
 - (b) Provides support for Departmental implementation of EMS, including developing and implementing policies, directives and guidance, and monitoring performance through reporting, data collection and analysis. Provides technical assistance in the implementation and maintenance of sites' EMS and provides a representative for DOE on external Federal EMS teams.
 - (c) Supports the SPO by providing training, assistance, analysis, and planning capabilities as approved by SPO.
- (3) Assistant Secretary for Energy Efficiency and Renewable Energy and FEMP partner with the SPO and provide technical assistance. FEMP manages the Department's utility acquisition and management in coordination with the appropriate line management organizations.
- (4) Chief Information Officer (CIO) partners with the SPO, and
 - (a) Serves as the Department's lead on implementing and adhering to the requirements of the Federal Information Technology Acquisition Reform Act (FITARA) and the Federal Data Center Consolidation Optimization Initiative (DCOI).
 - (b) Establishes policies, guidance and directives that support electronics stewardship, data energy efficiency, and related information technology (IT) sustainability best practices.
- (5) Chief Financial Officer (CFO) partners with the SPO, and
 - (a) Coordinates budget data calls related to sustainability with the assistance of the SPO.
- (6) Chief Acquisition Officer partners with the SPO, and
 - (a) Develops an annual Procurement Plan to reduce supply chain emissions in accordance with the Implementing Instructions for EO 13693. Procurement Plans will be submitted with the Department's annual SSPP.
 - (b) Revises the Department of Energy Acquisition Regulation (DEAR) and Departmental Acquisition Guide to align with the sustainable acquisition and procurement requirements of EO 13693, including

the U.S. Environmental Protection Agency's recommendations for specifications, environmental performance standards and ecolabels for environmentally preferable products and services.

- (7) Office of the Assistant General Counsel for Electricity and Fossil Energy (OGC) partners with FEMP to execute its responsibility to represent the consumer interests of Federal Executive Agencies where DOE has been granted lead Agency Authority by the General Services Administration (GSA) to intervene, or otherwise participate in hearings or proceedings before regulatory bodies for utilities when these proceedings affect DOE operations. Site personnel will support OGC and FEMP as required, in intervention activities.
- g. Contracting Officers. Incorporate the CRD, in a timely fashion, into all site contracts for the management and operation (M&O) of the facilities and fleets or facilities construction and demolition or facility infrastructure improvements, or other contracts under which the contractor manages supply and service acquisitions for Government facilities, fleets, or mission operations.
 - (1) When deemed appropriate by the Contracting Officer, a contractor having an EMS that is certified to the International Organization for Standardization's (ISO) 14001:2015 standard in accordance with the accredited registrar provisions of the International Standard may allow the certain sections of this CRD not to be included in their contracts (see CRD). In such cases, sustainability goals will flow down to contractors via established contractor performance management processes or similar contract mechanisms.

6. DEFINITIONS.

- a. DOE site: For purposes of this Order, Site refers to the DOE entity which conducts operational activities including contractor operated DOE owned or leased facilities as discrete locations across the U.S. In the case of Government Owned Government Operated (GOGO) facilities (including Power Administrations), it refers to the DOE operating organization.
- b. Environmental Management System (EMS): An EMS is a management tool enabling an organization of any size or type to:
 - Identify and control the environmental impact of its activities, products or services;
 - Improve its environmental performance continually; and to
 - Implement a systematic approach to setting environmental objectives and targets, to achieving these and to demonstrating that they have been achieved.

- c. Field Managers: The terms "field office" and "field office managers" are used interchangeably to indicate the DOE field office with direct management and oversight of operational activities. "Field" may have various other designations, including operations office, site office, service centers, and project office.
- d. Performance contracts: Include ESPCs, Utility Energy Service Contracts (UESCs), Power Purchase Agreements (PPAs) and ESPC ENABLE Contracts.
- e. Sustainability: For purposes of this Order, sustainability is broadly defined as those actions taken to maximize energy and water efficiency; minimize chemical toxicity and harmful environmental releases, particularly GHG; promote renewable and other clean energy development; prepare for and respond to climate change; and conserve natural resources while performing assigned mission activities.
- f. Strategic Sustainability Performance Plan (SSPP): An annual plan that prioritizes DOE actions pursuant to Section 14 of EO 13693. The SSPP outlines how the Department will implement its energy and environmental sustainability goals.
- g. Exemptions in paragraph 3.c. of this Order refer to exemptions per DOE Order 251.1C.

7. REFERENCES.

- a. Executive Order 13693, Planning for Federal Sustainability in the Next Decade, March 19, 2015.
<http://www.gpo.gov/fdsys/pkg/FR-2015-03-25/pdf/2015-07016.pdf>
- b. Executive Order 12344, *Naval Nuclear Propulsion Program*.
<http://www.archives.gov/federal-register/codification/executive-order/12344.html>
- c. Instructions for Implementing Executive Order 13693, Planning for Federal Sustainability in the Next Decade, June 10, 2015.
https://www.whitehouse.gov/sites/default/files/docs/eo_13693_implementing_instructions_june_10_2015.pdf
- d. Strategic Sustainability Performance Plan, Department of Energy.
[http://energy.gov/eere/spo/plans-and-reports#Strategic Sustainability Performance](http://energy.gov/eere/spo/plans-and-reports#Strategic%20Sustainability%20Performance)
- e. Title XXXII of P.L. 106-65, National Nuclear Security Administration Act, as amended. <http://uscode.house.gov/download/pls/50C41.txt>
- f. Energy Policy Act of 1992. P.L. 102-4866.
- g. Energy Policy Act of 2005. P.L. 109-58.
- h. National Energy Conservation Policy Act. P.L. 95-91.

- i. Energy Independence and Security Act of 2007. P.L.110-140.
 - j. Department of Energy Organization Act of 1977, Section 302. P.L. 95-91.
[http://frwebgate.access.gpo.gov/cgi-bin/usc.cgi?ACTION=RETRIEVE&FILE=\\$\\$xa\\$\\$busc42.pt2.wais&start=11572122&SIZE=20439&TYPE=PDF](http://frwebgate.access.gpo.gov/cgi-bin/usc.cgi?ACTION=RETRIEVE&FILE=$$xa$$busc42.pt2.wais&start=11572122&SIZE=20439&TYPE=PDF)
 - k. Emergency Planning and Community Right-to-Know Act or Title III of Superfund Amendments and Reauthorization Act of 1986, 42 U.S.C 11001, et seq.
<http://frwebgate.access.gpo.gov/cgi-bin/usc.cgi?ACTION=BROWSE&TITLE=42USCC116>
 - l. DOE Order 430.1B, *Real Property Asset Management*, Chg. 2, April 25, 2011.
<https://www.directives.doe.gov/directives/current-directives/430.1-BOrder-bc1/vi>ew Guidelines Establishing Criteria for Excluding Buildings from the Energy Performance Requirements of Section 543 of the National Energy Conservation Policy Act as Amended by the Energy Policy Act of 2005 issued on January 27, 2006. http://www1.eere.energy.gov/femp/pdfs/exclusion_criteria.pdf
 - m. International Standards Organization's (ISO) 14001 International Standard, *Environmental Management Systems: Requirements with Guidance for Use*.
<http://www.iso.org/iso/iso14000>
 - n. 48 CFR 970.5204-2, Laws, Regulations and DOE Directives.
 - o. 48 CFR 970.5223-7 or 952.223-78, Sustainable Acquisition Program.
 - p. Reference the CFO's energy savings reinvestment guidance.
8. CONTACT. Sustainability Performance Office, Office of Management, at 202-586-8645.

BY ORDER OF THE SECRETARY OF ENERGY

ELIZABETH SHERWOOD-RANDALL
Deputy Secretary

APPENDIX A. ACRONYMS

CEQ	Council on Environmental Quality
CFO	Chief Financial Officer
CFR	Code of Federal Regulations
CIO	Chief Information Officer
CRD	Contractor Requirements Document
CSO	Chief Sustainability Officer
DEAR	Department of Energy Acquisition Regulations
DESC	Defense Energy Support Center
DOE	U.S. Department of Energy
EISA	Energy Independence and Security Act
EMS	Environmental Management System
EO	Executive Order
EPAct	Energy Policy Act of 1992 or 2005
EPCRA	Emergency Planning and Community Right-to-know Act
ESPC	Energy Savings Performance Contract
FAST	Federal Automotive Statistical Tool
FDCCI	Federal Data Center Consolidation Initiative
FEMP	Federal Energy Management Program
FITARA	Federal Information Technology Acquisition Reform Act
GHG	Greenhouse Gas
GOGO	Government-Owned Government-Operated
ISO	International Organization for Standardization
IT	Information Technology

M&O	Management and Operating
NECPA	National Energy Conservation Policy Act
NNSA	National Nuclear Security Administration
OGC	Office of General Council
OMB	Office of Management and Budget
PMA	Power Marketing Administration
PPA	Power Purchase Agreement
PSO	Program Secretarial Officer
RCRA	Resource Conservation and Recovery Act
SPO	Sustainability Performance Office
SSCC	Senior Sustainability Steering Committee
SSP	Site Sustainability Plan
SSPP	Strategic Sustainability Performance Plan
SWG	Sustainability Working Group
UESC	Utility Energy Service Contract

CONTRACTOR REQUIREMENTS DOCUMENT
DOE O 436.1, *DEPARTMENTAL SUSTAINABILITY*

The provisions of the Contractor Requirements Document (CRD) apply to the Department of Energy (DOE) contractors. Regardless of the performer of the work, the contractor is responsible for complying with the requirements of this CRD...

1. Reporting. The contractor must establish and implement activities that support the Department's required submittal of reports and data and implementation of sustainability goals specified by DOE in the contract. The contractor must also meet the requirements of the Emergency Planning and Community Right-to-Know Act.
2. The contractor must establish and implement the following activities:
 - a. Site Sustainability Plans (SSPs). Contractors must develop or support development and commitments to identify their respective contributions toward meeting the Department's sustainability goals. Contractors must integrate their SSP with their operational plans.
 - b. Environmental Management Systems (EMS). Contractors must develop and implement an environmental management system (EMS) that is certified to or conforms with the International Organization for Standardization's (ISO) 14001:2015 in accordance with Reference 7.m. Site sustainability goals must be integrated into the EMS.

When deemed appropriate by the Contracting Officer, a contractor having an EMS that is certified to the International Organization for Standardization's (ISO) 14001:2015 standard in accordance with the accredited registrar provisions of the International Standard may allow the remainder of this CRD not to be included in their contracts. In such cases, sustainability goals will flow down to contractors via established contractor performance management processes or similar contract mechanisms.

The contractor shall work towards meeting the following sustainability requirements:

1. **Greenhouse Gas Reductions:**
 - a. Reduce Scope 1 and 2 emissions by 50 percent by FY 2025, relative to a FY 2008 baseline.
 - b. Reduce Scope 3 emissions by 25 percent by FY 2025, relative to a FY 2008 baseline.
2. **Sustainable Buildings**
 - a. Reduce energy intensity by 25 percent by FY 2025, relative to a determined FY 2015 baseline, with a 2.5 percent reduction in energy intensity each year through FY 2025.

- b. Ensure in FY 2020 and thereafter, all new construction of buildings greater than 5,000 gross square feet that enters the planning process, is designed to achieve energy net zero and, where feasible, water or waste net zero by FY 2030.
 - c. Ensure that monthly performance data is entered into the Environmental Protection Agency (EPA) ENERGY STAR Portfolio Manager for covered buildings.
 - d. Install and monitor advanced meters in all data centers by FY 2018.
 - e. Achieve a PUE of 1.2 or lower, for all new data centers, and a PUE of less than 1.5 for all existing data centers.
 - f. At least 15 percent, by either number or total square footage, of site's existing buildings above 5,000 gross square feet that will, by FY 2025, comply with the Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings (Guiding Principles), and make annual progress toward 100 percent conformance with the Guiding Principles for site's building inventory.
 - g. Report newly solicited leases over 10,000 gross square feet. Ensure new lease solicitations strive to include efficiency criteria as a selection factor in all leases and require lessor to disclose carbon emissions or energy consumption for the portion of all buildings occupied.
3. **Renewable Energy**
- a. Use renewable energy sources for 30 percent of all electrical energy by FY 2025, with interim targets of 10 percent for FY 2016-2017, 15 percent for FY 2018-2019, 20 percent for FY 2020-2021, and 25 percent for FY 2022-2023.
 - b. Increase clean energy implemented to 25 percent of building electric and thermal energy by FY 2025, with interim targets of 10 percent for FY 2016-2017, 13 percent for FY 2018-2019, 16 percent for FY 2020-2021, and 20 percent for FY 2022-2023.
4. **Water Use Efficiency and Management**
- a. Reduce potable water use intensity by 36 percent by FY 2025, relative to a FY 2007 baseline, with a 2 percent reduction in potable water use annually through FY 2025.
 - b. Reduce non-potable industrial, landscaping, and agricultural (ILA) water intensity by 30 percent by FY 2025, compared to a FY 2010 baseline, with a 2 percent reduction in ILA water intensity annually through FY 2025.
5. **Fleet Management**
- a. Reduce fleet-wide per-mile GHG emissions from fleet vehicles by 30 percent by

FY 2025, compared to FY 2014, with interim targets of reducing by 5 percent by FY 2017 and by 20 percent by FY 2021.

- b. Ensure that annual site-level fleet data is properly and accurately accounted for in a formal Fleet Management System and any relevant data is submitted to the Federal Automotive Statistical Tool (FAST) reporting database, the Federal Motor Vehicle Registration System, and the Fleet Sustainability Dashboard (FleetDASH) system.
- c. Ensure 50 percent of new passenger vehicles are zero emission or hybrid plug-in vehicles by FY 2025, with an interim target of 20 percent by FY 2020.

6. Sustainable Acquisition

- a. Ensure 95 percent of applicable contract actions include Biopreferred and bio-based procurement.
- b. Maintain 95 percent of all new construction contracts to contain sustainable acquisition clauses.
- c. Ensure sustainable acquisition for all applicable procurements in the planning, award, and execution phases of the acquisition, consistent with statutory mandates for purchasing preference; sustainable products and services identified by EPA programs; and voluntary specification, labels, or standards recommended by EPA.
- d. Sustainable acquisition requirements apply to all acquisitions unless there is an allowable exception for acquiring sustainable products or services, per the Implementing Instructions for Executive Order 13693.

7. Pollution Prevention and Waste Reduction

- a. Report in accordance with the requirements of Sections 301 through 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (42 U.S.C. 11001 through 11023).
- b. Divert at least 50 percent of non-hazardous solid waste, including food and compostable material but not construction and demolition materials and debris, annually, and pursuing opportunities for net-zero waste or additional diversion opportunities.
- c. Divert at least 50 percent of non-hazardous construction and demolition materials and debris.
- d. Reduce or minimize the quantity of toxic and hazardous chemicals and materials acquired, used, or disposed.

8. Energy Performance Contracts

- a. Work to assist DOE in achieving \$275 million in performance contracting by the end of calendar year 2016.
- b. Utilize performance contracting as an important tool to help meet identified energy efficiency and management goals while deploying lifecycle cost-effective energy efficiency and clean energy technology and water conservation measures.

9. **Electronics Stewardship**

- a. Promote electronics stewardship by establishing, measuring, and reporting by:
 - (2) Ensuring procurement preference for environmentally sustainable electronic products, consistent with applicable sustainable acquisition requirements;
 - (3) Establishing and implementing policies to enable power management, automatic duplex printing, and other energy-efficient or environmentally sustainable features on all eligible agency electronic products; and
 - (4) Employing environmentally sound reuse and recycling practices with respect to the agency's disposition of all agency excess or surplus used electronic products.

10. **Climate Change Resilience**

- a. Identify and address projected impacts of climate change on mission critical water, energy, communication, and transportation demands and considering those climate impacts in operational preparedness planning for major facilities and operations.
- b. Include the incorporation of climate resilient design and management elements into the operation, repair, and renovation of existing buildings and the design of new buildings.