



*Exhibit 1, 565 FW 1*  
***Specific Objectives and Targets to Assist the Service in Achieving Sustainable Practices***

Date: April 28, 2010  
 Series: Sustainability  
 Part 565: Sustainable Practices  
 Originating Office: Division of Engineering

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We organized these objectives by carbon neutral emphasis area.

Service level Goals and Targets	Responsible Program Office	Applicable Governing Authority (Legal Requirements)	Other Applicable Governing Policies and Plans	Required Reports
<b>GREENHOUSE GAS EMISSION/CARBON FOOTPRINT ASSESSMENT</b>				
Establish a baseline for the Service's carbon footprint.	As assigned in Action Plan for Climate Change	<a href="#">Secretarial Order No. 3289</a>	<a href="#">Climate Change Action Plan - Action Priorities</a>	
<b>CONTRACTING AND SUSTAINABLE ACQUISITION</b>				
Ensure that 95% of all new contract actions (for products and services) are energy-efficient, water-efficient, biobased, environmentally preferable, non-ozone depleting, and contain recycled content.	Assistant Director – Business Management and Operations (BMO) – Division of Contracting & Facilities Management	<a href="#">Executive Order (E.O.) 13514</a>		

<p>Ensure that all appropriate contracts have an Environmental Management System (EMS) clause requiring contractors to adhere to the facility EMS.</p>	<p><a href="#">E.O. 13423</a></p>	<p><a href="#">A Practical Greening Manual for the U.S. Fish and Wildlife Service</a></p>	<p>Office of Management and Budget (OMB) Environmental Stewardship Scorecard</p>
<p>Ensure that relevant contracts include appropriate greening/sustainability clauses.</p>	<p><a href="#">Federal Acquisition Regulation (FAR) Parts 52, 23</a></p>	<p>Department's Affirmative Procurement Program – Green Purchasing Plan</p>	
<p>To the greatest extent practicable, contract for supplies and services with companies that report publicly on the toxic chemicals they release into the environment.</p>		<p><a href="#">Service Manual Chapter 303 FW 1-7</a> (Environmentally Preferable Products)</p>	
<p>Ensure that Service staff procure goods and services that are environmentally preferable or designated by the U.S. Environmental Protection Agency (EPA) and follow the Department's green purchasing plan.</p>	<p>DOI Acquisition Policy Release (<a href="#">DIAPR</a>) 97-2 Department of the Interior Acquisition Policy Release (<a href="#">DIAPR</a>) 2008-7</p>		
<p>Adhere to all purchasing requirements related to electronics and energy-efficient products (see Electronic Stewardship matrix).</p>	<p><a href="#">E.O. 13423</a>; Energy Policy Act (EPA) 2005; <a href="#">FAR part 23</a>; <a href="#">E.O. 13221</a></p>	<p>Department's Affirmative Procurement Program – Green Purchasing Plan</p>	<p>E.O. 13423 SUSTAINABLE PRACTICES: Green Purchasing, Waste Management, and Chemicals</p>

Adhere to all purchasing requirements for eight products designated by EPA comprehensive procurement guide (CPG).		<a href="#">E.O.13423</a> ; RCRA Sec. 6002	<a href="#">A Practical Greening Manual</a> for the U.S. Fish and Wildlife Service	Management. FWS Report for Fiscal Year 2008
Adhere to all purchasing requirements for bio-based programs, alternative fuels, non-ozone depleting substances and reducing hazardous materials/chemicals (see Reduction of Hazardous and Toxic Chemicals matrix).		<a href="#">E.O. 13423</a> , Energy Policy Act (EPAct) 2005, <a href="#">FAR part 23</a> , Farm Security and Rural Investment Act (FSRIA)	5-Year Space Management Plan	
<b>ELECTRONICS STEWARDSHIP</b>				
Acquire 95% of electronic products as Electronic Product Electronic Assessment Tool (EPEAT)-registered.	BMO – Division of Contracting & Facilities Management	<a href="#">E.O.13423</a>	Electronics Stewardship Implementation Plan	Electronics Stewardship portion of the OMB Environmental Stewardship Scorecard
Ensure that Energy Star® features are enabled on 100% of computers and monitors for all user groups.				
Maintain electronic equipment for longevity (4 years).				
Ensure that 100% of disabled electronic products are reused, donated, sold, or recycled with environmentally sound management practices at end of life.				

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Participate in the Federal Electronics Challenge, or implement an equivalent electronics stewardship program.				
Establish and implement policies to enable power management, duplex printing, and other preferable features.		<a href="#">E.O. 13514</a>	Electronics Stewardship Implementation Plan	
Implement Best Management Practices for energy-efficient management of services/data centers.			Electronics Stewardship Implementation Plan	
<b>ENERGY EFFICIENCY</b>				
Reduce energy intensity (BTU/gsf) in facilities subject to the goal by 3% annually relative to the FY 2003 baseline (30% reduction by FY 2015).	BMO – Division of Engineering (lead program)  All Programs	<a href="#">E.O. 13423 and E.O. 13514</a> ;  Energy Independence and Security Act (EISA) 2007;  Energy Policy Act (EPAc) 2005	<a href="#">Metering Implementation Plan (2006)</a>  Reporting Units and Conversion Factors and Energy and Water Management Reporting	Annual Report on Energy Management and Conservation Programs - Energy Management Data Report. Sent to OMB annually and deals with all topic areas except for carbon neutrality.
Purchase and enable Energy Star® or Federal Energy Management Program (FEMP)-		<a href="#">E.O. 13423</a>	Quality control procedures for utility	OMB Internal Energy Management

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designated products.			information	Scorecard - Submitted quarterly to the Department's Office of Acquisition and Property Management.
<p>Using a FY2003 baseline, reduce fossil fuel-generated consumption for new building designs and major renovations:  55% 2010 - 2014  65% 2015 – 2019  80% 2020 – 2024  90% 2025 – 2029  100% in 2030 and thereafter.</p> <p>Any large capital energy investment in an existing building (that is not a major renovation but involves replacement of installed equipment, or involves renovation, rehabilitation, expansion, or remodeling of existing space) employs the most energy efficient design, systems, equipment and controls that are life cycle cost effective.”</p>		Energy Independence and Security Act (EISA) 2007	<p><a href="#">Departmental Manual, Part 752</a></p> <p>Service Manual <a href="#">Chapters 373 FW 1-3</a> (Energy Management and Water Conservation).</p> <p>Service's Electric <a href="#">Metering Implementation Plan</a>, June 14, 2006</p> <p><a href="#">Draft Appendix: 5-Year Action Plan</a></p>	<p>OMB Circular A-11 Section 25 (formerly Exhibit 55). Identification of Funds for Strengthening Federal Environmental, Energy, and Transportation Management.</p>
All buildings metered for electricity by October 1, 2012 and for natural gas and steam by October 1, 2016, to the maximum		Energy Policy Act (EPAAct) 2005, Sec 103; Energy Independence and Security Act (EISA) 2007, Sec 434(b);		

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<p>extent practicable.</p> <p>Standard meters installed in all new buildings and advanced meters in appropriate buildings by September 30, 2010.</p>		<p><a href="#">E.O. 13423</a> Implementing Instructions</p>		
<p>Complete energy and water audits for 25% of covered facilities annually, so that all covered facilities are audited every 4 years. (Facilities that use the top 75% of consumed energy are called "covered" facilities in the Energy Independence Security Act of 2007.)</p> <p>All offices and field stations will complete energy audits by June 1, 2012. This audit cycle repeats in FY 2013.</p> <p>Energy conservation measures and water conservation improvements identified during these audits should be implemented within 2 years.</p>		<p>Energy Independence and Security Act (EISA) 2007, Sec 432</p> <p><a href="#">E.O. 13423</a></p>		
<b>RENEWABLE ENERGY</b>				
<p>Ensure a percentage of facility electricity use comes</p>	<p>BMO – Division of Engineering</p>	<p>Energy Policy Act (EPAAct) 2005, Sec 203</p>		<p>Annual Report on Energy Conservation</p>

Service level Goals and Targets	Responsible Program Office	Applicable Governing Authority (Legal Requirements)	Other Applicable Governing Policies and Plans	Required Reports
from renewable energy. Specific goals are: 2007-2009, 3%; 2010-2012, 5%; 2013 and thereafter, at least 7.5%.				Programs and Water Management – Renewable Energy Registry Due no later than Nov. 15 to the Department’s Office of Acquisition and Property Management
50% of renewable energy (thermal, mechanical, or electric) consumed by an agency in a fiscal year must come from new renewable energy sources, implemented after January 1, 1999. Specific goals are: FY2007-2009, 1.5%; FY2010-2012, 2.5%; FY2013 and thereafter, at least 3.75%.		<a href="#">E.O. 13423</a>		
<b>WATER CONSERVATION</b>				
Reduce domestic water consumption intensity (gallons/gsf) by 2% annually relative to the FY 2007 baseline (16% reduction by FY 2015). [E.O. 13514 requires 26% reduction by FY 2020.]	BMO – Division of Engineering (lead program)  All Programs	<a href="#">E.O. 13423</a>	Service Manual Chapters <a href="#">373 FW 1-3</a> (Energy Management and Water Conservation)	Annual Report on Energy Conservation Programs and Water Management - Annual Energy Management Data Report
Reduce agency industrial, landscaping, and agricultural water consumption by 2% annually, or 20% by FY 2020 relative to FY 2010		<a href="#">E.O. 13514</a>		

Service level Goals and Targets	Responsible Program Office	Applicable Governing Authority (Legal Requirements)	Other Applicable Governing Policies and Plans	Required Reports
baseline.				
Implement water reuse strategies that reduce potable water consumption.				
Implement and achieve objectives identified in the Stormwater Guidance for Federal Facilities (published by EPA in 2009).				
<b>REDUCTION IN GREENHOUSE GAS EMISSIONS</b>				
Establish 2020 reduction targets for scope 1, 2, and 3 greenhouse gas emissions.		<a href="#">E.O. 13514</a>		Annual greenhouse gas inventory reports to the Council on Environmental Quality (CEQ)
Reduce greenhouse gas emissions 3% annually relative to the FY 2008 baseline.	All Programs	<a href="#">E.O. 13423</a>	FY 09 Climate Change Action Priorities (Service Policy)	
Service to be carbon-neutral by 2020.				

Service level Goals and Targets	Responsible Program Office	Applicable Governing Authority (Legal Requirements)	Other Applicable Governing Policies and Plans	Required Reports
Prioritize options to decrease carbon footprint of the Service's workforce by 10% per year starting in FY 2010.	Under the direction of BMO and Region 1			
<b>HIGH PERFORMANCE/SUSTAINABLE BUILDINGS</b>				
All new buildings must be 30% more energy efficient than relevant code (currently ASHRAE 90.1-2004 or the 2004 IECC standards).	All programs	Energy Policy Act (EPA) 2005	Department's Sustainable Buildings Implementation Plan	
For all buildings over 5,000 square feet and all newly constructed buildings, 15% of existing building inventory must meet the Existing Building Guiding Principles by FY 2015 and annual progress must be demonstrated toward compliance.		<a href="#">E.O. 13514</a>	Service Sustainable Buildings Implementation Plan	
All building construction projects (whether new, renovation, repair or alteration) that impact more than 5,000 square feet or have a total project cost greater than \$2 million must be designed and constructed to meet the Guiding Principles. Additionally, all projects meeting these cost and size thresholds must:			High Performance and Sustainable Buildings Guidance  Draft Service Strategic and Action Plans for Climate Change	
			Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings	

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<ul style="list-style-type: none"> <li>• Earn a third-party “certified” Leadership in Energy and Environmental Design (LEED) rating from the Green Building Council or a similar rating from another ANSI-certified agency that assesses sustainability.</li> <li>• Document that the Guiding Principles were met by completing the High Performance Sustainable Buildings Checklist for new and existing buildings.</li> <li>• Buildings that meet the Guiding Principles will be entered into the annual Federal Real Property Profile submission as “sustainable”.</li> <li>• Incorporate on-site solar hot water heaters to meet at</li> </ul>		<p>Energy Independence and Security Act (EISA) 2007, Sec 523</p>		

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least 30% of the building's hot water demand, if life-cycle cost effective.				
Beginning in 2020, all Service buildings that enter the planning process must be designed to achieve zero net energy by 2030.		<a href="#">E.O. 13514</a>		
Pursue cost-effective, innovative strategies, such as highly reflective and vegetated roofs, to minimize consumption of energy, water, and materials.		<a href="#">E.O. 13514</a>		
Manage existing building systems to reduce the consumption of energy, water, and materials, and identify alternatives to renovation that reduce existing assets' deferred maintenance costs.				

When adding assets to the Service's real property inventory, identify opportunities to consolidate and dispose of existing assets, optimize the performance of the agency's real property portfolio, and reduce associated environmental impacts.				
Ensure that rehabilitation of Service-owned historic buildings uses best practices and technologies in retrofitting to promote long-term viability of the buildings.				
<b>EQUIPMENT MANAGEMENT</b>				
Assist the Service in meeting related energy and water conservation goals.	All Programs	<a href="#">E.O. 13423 and E.O. 13514;</a>  Energy Independence and Security Act (EISA) 2007;  Energy Policy Act (EPAAct) 2005	Business Procedures Manual  Service Asset Maintenance Management System (SAMMS) Business Manual	Federal Real Property Profile submitted to the General Services Administration (GSA) annually. Profile includes report on 25 separate asset codes and real property inventory.
Provide timely, accurate operations and maintenance data to internal and external stakeholders.		<a href="#">E.O. 13327</a>		
<b>ENVIRONMENTAL MANAGEMENT SYSTEMS (EMS)</b>				

Service level Goals and Targets	Responsible Program Office	Applicable Governing Authority (Legal Requirements)	Other Applicable Governing Policies and Plans	Required Reports
<p><b>Annually ensure:</b></p> <p>The facility/organization policy is up to date, implemented, communicated to staff, and available to the public.</p> <p>Procedures are established and maintained to identify activities, products, and services that have or can have significant impact on the environment.</p> <p>Procedures are established, implemented, and maintained to identify and have access to legal and other requirements related to those products, services, and activities that have or can have significant impact on the environment.</p> <p>Measurable objectives and targets that promote good environment, energy, and transportation management for products, services, and activities that can have significant impact on the environment are established, implemented, and maintained and are</p>	<p>Managers of facility- or organization-specific EMS</p> <p><a href="#">Click here</a> for a list of the Service's current EMS facilities.</p>	<p><a href="#">E.O. 13423 and E.O. 13514</a></p>	<p>Department of the Interior policy <a href="#">515 DM 4</a></p> <p>ISO 14001:2004</p> <p>Environmental Management Plans</p>	<p>OMB Environmental Stewardship Scorecard</p>

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<p>accomplished in ways that will not adversely affect the mission, or are cost prohibitive.</p> <p>Training needs relative to products, services, and activities that have or can have significant impact on the environment are identified and provided for appropriate staff.</p> <p>Contracts for products, services, and activities that have or can have significant impact to the environment are evaluated to include means to promote good environmental, energy, and transportation management, and are modified when not fiscally prohibitive.</p> <p>Progress implementing EMS is evaluated, areas for improvement are identified, and plans to improve are formulated and undertaken.</p> <p>Operational controls are in place that promote the accomplishment of goals</p>				

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and targets.  Senior management at the facility reviews EMS performance (all of the criteria above) annually.				
<p><b>Every 3 years ensure:</b></p> <p>The facility undergoes an EMS conformance review and concurrent environmental compliance review, conducted by a trained individual or team from outside the scope of that EMS. In most cases, the Regional Environmental Compliance Coordinator conducts the EMS conformance and environmental compliance reviews.</p>				
<b>FLEET MANAGEMENT</b>				
Develop performance measures to properly evaluate fleet utilization.	Service Transportation Review Board – Chaired by BMO- Division of Contracting & Facilities Management		The Service 5-Year Fleet Plan (maintained by Headquarters)  Service Official Use Policy for Motor Vehicles	OMB Transportation Management Scorecard;  Federal Automotive Statistical Tool (FAST) Report; reviewed annually, maintained in FAST Report Database, and
Collect and compile accurate data for use in reviewing fleet			Federal Automotive Statistical Tool (FAST)	

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management plan performance.			Service Manual <a href="#">Chapters in Part 320</a>	submitted to GSA
Establish an appropriate vehicle baseline allowance to meet Service mission requirements in a safe and cost-effective manner.			<a href="#">Climate Change Action Plan – Carbon Neutral Goals</a>	Regional Scorecards; reviewed semi-annually; maintained in Excel, submitted to the Division of Contracting and Facilities Management (CFM)
Ensure compliance with the Service Asset Management Plan and E.O. 13423, including increased acquisition of Alternative Fuel Vehicles (AFV); use of alternative fuels; and reduction in consumption of petroleum-based products.		<a href="#">E.O. 13423</a> ; Energy Policy Act (EPAAct) 2005		
Dispose of aged, under-utilized, or excess vehicles that cannot be justified for retention.				
Keep personnel up to date on Service Official Use Policy for Motor Vehicles.				
Assign vehicles based on operational requirements and functions.				
Use economical consideration as a primary criteria when ordering vehicle accessories or replacing vehicles.				

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Increase fleet efficiency by 10% per year.				
Reduce total fleet consumption of petroleum products 2 percent annually through the end of 2020 relative to FY 2005 baseline.		<a href="#">E.O. 13514</a>		
<b>REDUCTION OF TOXIC AND HAZARDOUS CHEMICALS</b>				
Reduce the quantity of toxic and hazardous chemicals and materials acquired, used, or disposed of by the agency.		<a href="#">E.O. 13423</a> and <a href="#">E.O. 13514</a>	Department's Toxic and Hazardous Chemicals - Goals and Plan	OMB Environmental Stewardship Scorecard
Purchase the least toxic products and promote life cycle costing for all purchases.			Service Manual Chapter <a href="#">303 FW 3</a>	

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<p>Minimize the procurement of materials and substances that contribute to the depletion of stratospheric ozone. Give preference to the procurement of alternative chemicals, products, and manufacturing processes that reduce risks to human health and the environment by lessening ozone depletion.</p>				
<p>Establish a plan and goals for eliminating or reducing the acquisition of products containing extremely hazardous substances or listed toxic chemicals as defined in the Emergency Planning and Community Right-to-Know Act (EPCRA).</p>		<p>Emergency Planning and Community Right to Know Act (EPCRA)</p>	<p>Service Manual, Chapter <a href="#">303 FW 6</a></p> <p>Service Manual, Chapter <a href="#">561 FW 14</a></p>	
<p>Provide pollution prevention guidance at Service facilities, including: minimizing solid waste, preventing pollution, saving energy and other resources, reducing greenhouse gas emissions, and encouraging public support and participation.</p>			<p><a href="#">E.O. 13423</a> and <a href="#">E.O. 13514</a></p>	

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Improve compliance with environmental commitments through compliance audit program.			<a href="#">515 DM 2</a> ; Service Manual Chapter <a href="#">560 FW 7</a>	
Ensure chemical management is addressed by EMS wherever appropriate. Comply with applicable and relevant legal requirements for chemical management. Employ a pollution prevention approach where chemicals are used.		<a href="#">E.O. 13423</a>		
<b>REGIONAL PLANNING</b>				
Participate in Regional transportation planning and recognize existing community transportation infrastructure.		<a href="#">E.O. 13514</a>		
Align Service policies to increase the effectiveness of local planning for energy choices such as locally generated renewable energy.				

<p>Ensure that planning for new Service facilities or new leases includes consideration of sites that are pedestrian friendly, near existing employment centers, and accessible to public transit. Plans should emphasize existing central cities and, in rural communities, existing or planned town centers.</p>				
<p>Identify and analyze impacts from energy usage and alternative energy sources in all Environmental Impact Statements and Environmental Assessments for proposals for new or expanded Federal facilities under the National Environmental Policy Act of 1969, as amended.</p>				
<p>Coordinate with Regional programs for Federal, State, tribal, and local ecosystem, watershed, and environmental management.</p>				
<b>POLLUTION AND WASTE PREVENTION/DIVERSION AND RECYCLING</b>				
<p>Minimize solid waste generation through source reduction.</p>		<p><a href="#">E.O. 13514</a></p>		

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Recycle or divert 50% of all solid waste, including construction and demolition debris, by 2010.	All programs	Greening the Department of the Interior – Waste Prevention and Recycling Goals  <a href="#">E.O. 13514</a>	Department's Affirmative Procurement Program – Green Purchasing Plan	E.O. 13423 Sustainable Practices, Green Purchasing, Waste Management, and Chemicals Management. FWS Report for Fiscal Year 2008
Reduce printer paper use and acquiring uncoated printing/writing paper containing 30% post-consumer content.		<a href="#">E.O. 13514</a>	<a href="#">A Practical Greening Manual for the U.S. Fish and Wildlife Service</a>	
Increase diversion of compostable and organic material from waste stream.			<a href="#">5-Year Space Management Plan</a>	
Implement integrated pest management and other appropriate landscape management practices.				

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