

CORRELATION OF LAWS/REGULATIONS
WITH
PERFORMANCE REQUIREMENTS
AND
CPES SPECIAL ITEM NUMBERS (SINS)

MATRIX OBJECTIVE / GOAL:

This matrix correlates CPES SINS with Federal energy-related mandates and their associated performance requirements. It also delineates benchmarks for Federal agencies to achieve on a per annum basis. When applicable, BPA Holders shall comply with these requirements and incorporate these targets into their Quality Control Plans

Law/Regulation → CPES SIN Requirement ↓	EPact 2005	EISA 2007	Executive Order 13423	The Recovery Act*	Executive Order 13514
<i>Reduce Energy Consumption</i> SIN 871-207: Energy Audit Services SIN 871-208: Resource Efficiency Management	Reduction of energy consumption by 2% per year 2006-2015 for a total of 20%	Revised savings to: 2006 – 2% 2007 – 4% 2008 – 9% 2009 – 12% 2010 – 15% 2011 – 18% 2012 – 21% 2013 – 24% 2014 – 27% 2015 – 30%	By 3% annually through end of FY 2015 or a total of 30% by end of FY 2015	N/A	Reduce energy intensity to meet the percentage reduction goals established with the Chair of the Council on Environmental Quality (CEQ Chair) Reduce agency-wide GHG emissions by 3% annually by 2020. Report a comprehensive inventory of absolute GHG emissions (scope 1, 2 & 3), annually.
<i>Water Conservation</i> SIN 871-210: Water Conservation	Installation of life cycle cost-effective energy and water conservation measures.	Make life cycle cost effective investments in water conservation. Conduct an evaluation once every 4 years on each facility.	Reduce by 3% annually or a total of 30% by FY2015.	N/A	Reduce potable water consumption by 2% annually or a total of 26% by FY2020. Reduce industrial, landscaping, and agricultural water consumption by FY2020. Implement storm water management practices.

Law/Regulation→ CPES SIN Requirement ↓	EPact 2005	EISA 2007	Executive Order 13423	The Recovery Act*	Executive Order 13514
Renewable Energy Sources SIN 871-209: Innovations in Energy	Of the amount of energy the Federal Government consumes during any fiscal year, the following amounts shall be renewable energy: (1) Not less than 3 percent in fiscal years 2007 through 2009. (2) Not less than 5 percent in fiscal years 2010 through 2012 (3) Not less than 7.5 percent in fiscal year 2013 and each fiscal year thereafter	Reduce consumption of fossil fuel generated energy from 2003 levels for all new constructions and manor renovations: 2010 – 55% 2015 – 65% 2020 – 80% 2025 – 90% 2030 – 100% (i.e. by 2030 all energy for all buildings comes from sustainable sources)	At least ½ of statutorily required renewable energy consumed by Agency comes from new renewable sources	N/A	Increase agency use of renewable energy and implement renewable energy generation projects on agency property. Reduction fossil fuel use by use of low GHG emitting vehicles, alternative fuel vehicles, optimization of agency fleet, and reducing use of petroleum products by 2% annually through 2020.
Toxic Waste and Hazardous Chemicals	N/A	N/A	Reduce quantity of toxic waste and hazardous chemicals acquired, used or disposed of. Maintain cost effective waste prevention and recycling program, and increase diversion of solid waster	N/A	<ol style="list-style-type: none"> 1) Minimize generation of waste and pollutants through source reduction. 2) Divert at least 50% of non-hazardous solid waste by 2015. 3) Divert at least 50% of construction and demolition materials and debris by 2015. 4) Reduce use of virgin paper, increase use of 30% recycled printing paper. 5) Reduce the acquisition of toxic and hazardous chemicals and materials. 6) Implement integrated pest management and other appropriate landscape management practices. 7) Increase agency use of acceptable alternative chemicals. 8) Decrease agency use of chemicals to achieve GHG reduction.

Law/Regulation→ CPES SIN Requirement ↓	EPact 2005	EISA 2007	Executive Order 13423	The Recovery Act*	Executive Order 13514
<p><i>Acquisition of Goods and Services</i></p> <p>SIN CR 799A: Energy Management Services (Consolidated)</p> <p>SIN 800-1000: Other Direct Costs</p> <p>All other CPES BPA SINS</p>	N/A	N/A	Acquisition of bio-based, environmentally preferable, energy-efficient, water-efficient, and recycled-content products	N/A	Advance sustainable acquisition to ensure that 95% of new contract actions including task orders and delivery orders, for products and services with the exception of acquisition of weapons systems, are energy efficient.
<p><i>New Construction and Major Renovations</i></p> <p>SIN 871-209: Innovations in Energy</p> <p>SIN 871-206: Building Commissioning Services</p> <p>SIN 003-97: Ancillary Repairs and Alterations</p> <p>SIN 800-1000: Other Direct Costs</p>	Apply sustainable design principles to design and construction of all new and replacement buildings	Reduce consumption of fossil fuel generated energy from 2003 levels for all new constructions and major renovations: 2010 – 55% 2015 – 65% 2020 – 80% 2025 – 90% 2030 – 100% (i.e. by 2030 all energy for all buildings comes from sustainable sources)	Comply with guiding principles set forth in the Federal Leadership in High Performance Buildings MOU. 15% of Federal buildings incorporate sustainable practices of the guiding principles by 2015.	For conversion of GSA facilities to high performance green buildings, \$3,000,000 of the funds provided shall be for on-the-job pre-apprenticeship & apprentice training programs registered with DoL for the construction, repair & alteration of federal buildings.	<p>Implement high performance sustainable Federal building design, construction, operation and management, maintenance, and deconstruction by:</p> <p>Identifying and analyzing impacts from energy usage and alternative energy sources in all Environmental Impact Statements and Environmental Assessments for proposals for new and expanded Federal facilities under the NEPA of 1969.</p> <p>By 2020 all new building plans are designed to achieve zero-net-energy by 2030.</p> <p>Ensure that all new construction complies with <i>Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings</i>.</p>

Law/Regulation→ CPES SIN Requirement ↓	EPact 2005	EISA 2007	Executive Order 13423	The Recovery Act*	Executive Order 13514
<p><i>Energy Management Systems (EMS)</i></p> <p>SIN 871-202: Energy Management Planning and Strategies</p>	N/A	N/A	Implement EMS at appropriate Agency levels to ensure use as the primary management approach to addressing environmental aspects of internal operations and activities.	N/A	Continue implementation and maintenance of formal environmental management systems.
<p><i>Advanced Metering</i></p> <p>SIN871-204/: Metering Services</p> <p>SIN 871-205: Energy Program Support Services</p> <p>SIN 871-206: Building Commissioning Services</p> <p>SIN 871-207 Energy Audit Services</p>	Meter all buildings by 10/1/2012 – providing daily/hourly data of energy consumption and incorporate into tracking system.	Provide metering of natural gas and steam by October 1, 2016	N/A	N/A	N/A

Law/Regulation→ CPES SIN Requirement ↓	EPact 2005	EISA 2007	Executive Order 13423	The Recovery Act*	Executive Order 13514
<p><i>Acquisition of Electronic Products</i></p> <p>SIN 800-1000: Other Direct Costs</p>	<p>Purchase Energy Star or FEMP products. Include requirement as an evaluation factor for all procurements involving energy consuming products or systems.</p>	<p>EPA shall prescribe labeling or other disclosure requirements for the energy use of—</p> <p>“(I) televisions;</p> <p>“(II) personal computers;</p> <p>“(III) cable or satellite set-top boxes;</p> <p>“(IV) stand-alone digital video recorder boxes;</p> <p>and</p> <p>“(V) personal computer monitors.</p>	<p>1) 95% of electronic products to need to be</p> <p>Electronic Product Environmental Assessment Tool (EPEAT) registered.</p> <p>2) Enable the Energy Star feature on computers and monitors</p> <p>2) Establish and implement policies to extend the useful life of electronic equipment</p> <p>3) Uses environmentally sound practices to dispose of agency electronic equipment.</p>	<p>N/A</p>	<p>95% of electronic products to need to be</p> <p>Electronic Product Environmental Assessment Tool (EPEAT) registered.</p> <p>Enable power management, duplex printing and other energy-efficient or EP features on all eligible products.</p> <p>Employ environmentally sound practices with respect to agency disposition of all excess or surplus electronic products.</p> <p>Ensuring procurement of Energy Star and FEMP designated electronic equipment.</p> <p>Implementing best management practices for energy efficient management of servers and Federal data systems.</p>