

**National Aeronautics and Space Administration**  
**FY 2018 OMB SCORECARD FOR EFFICIENT FEDERAL OPERATIONS/MANAGEMENT**

<u>GOAL ASSESSMENT</u>	<u>METRICS</u>	<u>PERFORMANCE</u>		<u>OTHER PROGRESS INDICATORS</u>
			<u>RATING</u>	
FACILITY ENERGY EFFICIENCY	Change in energy intensity (Btu/GSF) compared to FY 2003:		-39.4%	FY 2003: 215,906 Btu/GSF; FY 2017: 129,480 Btu/GSF; FY 2018: 130,901 Btu/GSF
	Change in energy intensity (Btu/GSF) from prior year:		1.1%	Average cost of energy per site-delivered million Btu: \$14.34
EFFICIENCY MEASURES/ INVESTMENT	EISA-covered facilities evaluated for efficiency opportunities:		98.0%	Implementation cost of ECMs identified for potential investment (\$M): \$184.8
	Utilized performance contracting in FY 2018 to achieve energy, water, building modernization, infrastructure goals?		Yes	Direct investment in FY 2018 (\$M): \$34.5
				ESPC and UESC investment in FY 2018 (\$M): \$23.4
				Annual Btu saved per \$1 of investment in 2018: 2,670
RENEWABLE ENERGY USE	Renewable electricity used (as a percentage of total electricity use):		14.9%	Renewable electricity + non-electric renewable energy used (as a percentage of total electricity use): 30.1%
WATER EFFICIENCY	Change in potable water intensity compared to FY 2007:		-38.7%	FY 2007: 74.1 Gal/GSF; FY 2017: 45.6 Gal/GSF; FY 2018: 45.5 Gal/GSF
	Change in potable water intensity from prior year:		-0.4%	Cost of potable water per thousand gallons: \$6.53
HIGH PERFORMANCE SUSTAINABLE BUILDINGS	Percent of owned buildings (eligible) meeting the sustainability criteria:		20.4%	Buildings meeting sustainability criteria: 45
	Percentage point difference from prior year:		1.6	Total count of eligible buildings: 221
	Percent of GSF (eligible) meeting the sustainability criteria:		23.3%	GSF meeting sustainability criteria (thou.): 2,956
	Percentage point difference from prior year:		1.3	Total eligible GSF (thou.): 12,691
TRANSPORTATION/ FLEET MANAGEMENT	Change in petroleum fuel use in covered fleet compared to FY 2005:		-73.1%	Alternative fuel use as a percentage of total covered fleet fuel use: 15.3%
	Change in petroleum fuel use in covered fleet compared to prior year:		-19.0%	Percentage of covered AFV acquisitions (w/bonus credits): 100.8%
SUSTAINABLE ACQUISITION	Percentage point difference of sustainable contract actions from prior year:		-1.7	Number of applicable contract actions w/ sustainable clauses, FY18: 3,734
				Number of applicable contract actions w/ sustainable clauses, FY17: 4,149
	Percentage point difference of value of contracts with sustainable requirements from prior year:		1.6	Value of applicable contract actions w/ sustainable clauses, FY18: \$2668.4M
				Value of applicable contract actions w/ sustainable clauses, FY17: \$2226.9M

**Reduction in Agency Scope 1 and 2 GHG emissions from 2008: 38.5%**

Sources: Agency submitted data from Annual Energy Data Report, EISA 432 Compliance Tracking System, Federal Real Property Profile, Federal Automotive Statistical Tool, FPDS

Btu = British thermal units  
 GSF = Gross square foot (or feet)  
 MBtu = Million Btu  
 ESPC = Energy Savings Performance Contracts  
 UESC = Utility Energy Savings Contracts

ECM= efficiency/conservation measure  
 AFV = alternative fuel vehicle  
 FPDS = Federal Procurement Data System  
 GHG = greenhouse gas

**Facility Energy Efficiency:** Agencies are assessed on meeting or exceeding the statutory goal of a 30% reduction in Btu/GSF from a 2003 baseline and demonstrating a reduction from the prior year. OMB will also track agency's average cost of all facility energy.

<i>Agency achieved <math>\geq 30\%</math> reduction compared to 2003 AND achieved a reduction in energy intensity from the prior year.</i>	<i>Agency achieved <math>\geq 30\%</math> reduction compared to 2003 OR achieved a reduction in energy intensity from the prior year.</i>	<i>Agency did not achieve a 30% reduction in energy intensity compared to 2003 AND did not achieve a reduction in energy intensity from the prior year.</i>
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**Identification of Efficiency Measures/Investment:** Agencies are assessed on EISA 432 facility evaluations, identifying ECMs, and whether performance contracting was utilized in the fiscal year. OMB will also track investment levels and annual Btu saved per \$1 of investment.

<i><math>\geq 90\%</math> of facility evaluations completed/updated within last 4 years AND agency awarded performance contracts in the fiscal year.</i>	<i><math>\geq 75\%</math> facility evaluations completed/updated within last 4 years OR agency awarded performance contracts in the fiscal year.</i>	<i><math>&lt; 75\%</math> of facility evaluations completed/updated within last 4 years &amp; agency did not award any performance contracts in the fiscal year.</i>
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**Renewable Energy:** Agencies are assessed on meeting or exceeding 7.5% renewable electricity use annually. OMB will also track non-electric RE use.

<i>Renewable electricity comprised <math>\geq 7.5\%</math> of total electricity use.</i>	<i>Renewable electricity combined with non-electric renewable energy sources (thermal + mechanical) comprised <math>\geq 7.5\%</math> of total electricity use.</i>	<i>Renewable electricity combined with non-electric renewable energy sources (thermal + mechanical) comprised <math>&lt; 7.5\%</math> of total electricity use.</i>
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**Water Efficiency:** Agencies are assessed on continued reductions in potable water use intensity and a 20% reduction from its 2007 baseline. OMB will track agency average cost of water.

<i>Agency achieved <math>\geq 20\%</math> reduction in potable water use intensity compared to 2007 AND reduced its potable water use intensity from the prior year.</i>	<i>Agency achieved <math>\geq 20\%</math> reduction compared to 2007 OR achieved a reduction in potable water intensity from the prior year.</i>	<i>Agency did not achieve a 20% reduction compared to 2007 AND did not reduce potable water use intensity from the prior year.</i>
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**High-Performance Sustainable Buildings:** Agencies are assessed on the number and square footage of owned federal buildings that are sustainable buildings and are tracked in the Federal Real Property Profile (FRPP).

<i>At least 15% of agency owned buildings or GSF meet sustainable building criteria and the agency increased percentage of sustainable buildings or GSF from the prior year.</i>	<i>At least 15% of agency owned buildings or GSF meet sustainable building criteria OR the agency increased percentage of sustainable buildings or GSF from the prior year.</i>	<i>Less than 15% of agency's inventory meets sustainable building criteria AND the agency decreased percentage of sustainable buildings or GSF from the prior year.</i>
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**Fleet Management:** Agencies are assessed on meeting or exceeding a 20% reduction in petroleum use compared to 2005 and demonstrating a reduction from the prior year. OMB will also track other fleet measures to help agencies manage fleets and meet statutory requirements.

<i>Agency achieved <math>\geq 20\%</math> reduction in petroleum use compared to 2005 AND achieved a reduction in petroleum use from prior year.</i>	<i>Agency achieved <math>\geq 20\%</math> reduction in petroleum use compared to 2005 OR achieved a reduction in petroleum use from prior year.</i>	<i>Agency did not achieve a 20% reduction in petroleum use compared to 2005 AND did not achieve a reduction in petroleum use from prior year.</i>
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**Sustainable Acquisition:** Agencies are assessed on the change from prior year performance of the percentage of contract actions and dollar value of sustainable acquisitions as reported in the FPDS, which include the mandatory clauses for the purchase of biobased, energy-efficient, recycled content and other sustainable attributes.

<i>Agency increased percentage of sustainable acquisitions of total actions (both number of actions &amp; dollar value) from prior year percentage levels.</i>	<i>Agency increased percentage of sustainable acquisitions of total actions (either number of actions or dollar value) from prior year percentage levels.</i>	<i>Agency's percentage of sustainable acquisitions from total actions (number of actions &amp; dollar value) remained the same or decreased from prior year.</i>
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**Greenhouse Gas Emissions:** Agencies' GHG emission reductions compared to FY 2008 base year will be determined from its annual data report and tracked and reported as an indicator on the Scorecard.