

Executive Order 13834 Efficient Federal Operations and FY 2017 OMB Scorecard

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Executive Order 13834

- Drive continued action to increase efficiency of Federal buildings, vehicles, and overall operations.
- Streamline existing directives.
- Focus on meeting statutory requirements and continued progress.
- Accomplish goals in a manner that reduces costs and supports agency missions.
- Provide flexibility to agencies while focusing on results.

Executive Order 13834

- Facility Energy Efficiency
- Renewable Energy and Electricity
- Water Efficiency
- Performance Contracting
- High Performance Sustainable Buildings
- Waste Management
- Acquisition
- Electronics Stewardship
- Fleet Management
- GHG Reporting

Executive Order Policy

Federal agencies should meet requirements in a manner that:

- Increases efficiency
- Optimizes performance
- Eliminates unnecessary use of resources
- Protects the environment
- Cuts costs
- Enhances resilience of Federal infrastructure and operations
- Enables more effective accomplishment of its mission

Goals

A. Facility Energy Efficiency

- Achieve and maintain annual reductions in building energy use and implement energy efficiency measures that reduce costs

B. Renewable Energy and Electricity

- Meet statutory requirements relating to the consumption of renewable energy and electricity

C. Water Efficiency

- Reduce potable and non-potable water consumption, and comply with stormwater management requirements

D. Performance Contracting

- Utilize performance contracting to achieve energy, water, building modernization, and infrastructure goals

Goals

E. High Performance Sustainable Buildings

- Ensure that new construction and major renovations conform to applicable building energy efficiency requirements and sustainable design principles;
- Consider building efficiency when renewing or entering into leases;
- Implement space utilization and optimization practices; and
- Annually assess and report on building conformance to sustainability metrics

Goals, cont.

F. Waste Management

- Implement waste prevention and recycling measures and comply with all Federal requirements with regard to solid, hazardous, and toxic waste management and disposal

G. Acquisition and Electronics Stewardship

- Acquire, use, and dispose of products and services, including electronics, in accordance with statutory mandates for purchasing preference, Federal Acquisition Regulation requirements, and other applicable Federal procurement policies

Goals, cont.

H. Performance Tracking and Reporting

- Track and, as required by section 7(b) of this order, report on energy management activities, performance improvements, cost reductions, greenhouse gas emissions, energy and water savings, and other appropriate performance measures
- Section 7(b): Directs agencies to report to the Chairman of CEQ and the Director of OMB regarding agency implementation and progress toward the goals of this order and relevant statutory requirements
- Section 3(a): Directs CEQ and OMB to coordinate in developing and issuing requirements and metrics to assess agency progress

Agency Planning and Reporting

- Continue to consolidate reporting and minimize manual data collection by leveraging existing systems:
 - Annual DOE/FEMP data report (energy and facility data)
 - Federal Automotive Statistical Tool
 - Federal Real Property Profile
 - Federal Procurement Data System

FY 2017 OMB SCORECARD FOR EFFICIENT FEDERAL OPERATIONS/MANAGEMENT

<u>GOAL ASSESSMENT</u>	<u>METRICS</u>	<u>PERFORMANCE</u> <u>RATING</u>	<u>OTHER PROGRESS INDICATORS</u>
FACILITY ENERGY EFFICIENCY	Change in energy intensity (Btu/GSF) compared to FY 2003:	-33%	Average cost of energy per site-delivered MBtu: \$15.00
	Change in energy intensity (Btu/GSF) compared to FY 2015:	-12%	
EFFICIENCY MEASURES/ INVESTMENT	EISA-covered facilities evaluated for efficiency opportunities:	100%	Total \$ Value of ECMs identified for potential investment (\$M): \$1,035.1
	Utilized performance contracting in FY 2017 to achieve energy, water, building modernization, infrastructure goals?	Yes	Direct investment in FY 2017 (\$M): \$11.8 ESPC and UESC Investment in FY 2017 (\$M): \$174.1 Annual Btu saved per \$1 of investment in 2017: 3,206
RENEWABLE ENERGY USE	Renewable electricity used (as a percentage of total electricity use):	27.6%	Renewable electricity + non-electric renewable energy used (as a percentage of total electricity use): 30.9%
WATER EFFICIENCY	Change in potable water intensity compared to FY 2007:	-34%	Cost of potable water per thousand gallons: \$6.02
	Change in potable water intensity from prior year:	-6%	
HIGH PERFORMANCE SUSTAINABLE BUILDINGS	Percent of owned buildings (less excess) meeting sustainability metrics:	26%	Change from prior year: 2.0% Total Eligible Buildings: 2,532
	Percent of owned GSF meeting the sustainability metrics:	42%	Change from prior year: 2.6% Total Eligible GSF (thou.): 137,882
TRANSPORTATION/ FLEET MANAGEMENT	Change in petroleum fuel use in covered fleet compared to FY 2005:	-9.8%	Alternative fuel use as a percentage of total covered fleet fuel use: 11.6%
	Change in petroleum fuel use in covered fleet compared to prior year:	-14.9%	Percentage of covered AFV acquisitions (w/bonus credits): 122%
SUSTAINABLE ACQUISITION	Change in percentage of sustainable contract actions from prior year percentage:	0.0%	Number of applicable contract actions containing sustainable clauses: 7,690 Value of applicable contract actions containing sustainable clauses: \$881M
	Change in percentage value of contracts with sustainable clauses from prior year percentage:	-0.8%	<i>Biobased Product Purchase Targets (# of actions): FY18: 671; FY19: 684</i>

Reduction in Agency Scope 1 and 2 GHG emissions from 2008: 23.3%

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
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 progress made to meet and exceed the statutory goal of a 30% reduction in Btu/GSF by 2015 from a 2003 baseline. OMB will also track agency's average cost of all facility energy.

<i>Agency achieved $\geq 30\%$ reduction since 2003 AND achieved an incremental reduction from 2015.</i>	<i>Agency achieved $\geq 30\%$ reduction since 2003 OR made an incremental reduction in energy intensity from 2015.</i>	<i>Agency has not yet achieved a 30% reduction in energy intensity since 2003 AND has not achieved progress from 2015.</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 FY 2017. OMB will also track investment levels and annual Btu saved per \$1 of investment.

<i>$\geq 90\%$ of facility evaluations completed/updated within last 4 years AND agency awarded performance contracts in FY 2017.</i>	<i>$\geq 75\%$ facility evaluations completed/updated within last 4 years OR agency awarded performance contracts in FY 2017.</i>	<i>$< 75\%$ of facility evaluations completed/updated within last 4 years & agency did not award any performance contracts in FY 2017.</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 $\geq 7.5\%$ of total electricity use.</i>	<i>Renewable electricity combined with non-electric renewable energy sources (thermal + mechanical) comprised $\geq 7.5\%$ of total electricity use.</i>	<i>Renewable electricity combined with non-electric renewable energy sources (thermal + mechanical) comprised $< 7.5\%$ 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 and non-potable water use reduction as well.

<i>Agency achieved a 20% reduction in potable water use intensity from 2007 AND reduced its potable water use from prior year.</i>	<i>Agency achieved $\geq 20\%$ reduction since 2007 OR achieved a reduction in potable water intensity from prior year.</i>	<i>Agency has not achieved a 20% reduction since 2007 AND did not reduce potable water use from prior year.</i>
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High-Performance Sustainable Buildings: Agencies are assessed on the number and percentage of owned federal buildings that meet high performance building guiding principles (GP) and are tracked in the Federal Real Property Profile (FRPP).

<i>At least 15% of agency owned buildings or GSF meet GP/equivalent standard & this represents an increase from prior year level.</i>	<i>At least 15% of agency owned buildings or GSF meet GP/equivalent standard OR agency increased percentage of buildings or GSF from prior year</i>	<i>Less than 15% of agency's inventory meets GP and it did not increase its percentage of buildings or GSF meeting GP/equivalent standards from prior year.</i>
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Fleet Management: Agencies are assessed on meeting or exceeding a 20% reduction in petroleum use since 2005. OMB will also track other fleet measures to help agencies manage fleets and meet statutory requirements.

<i>Agency achieved $\geq 20\%$ reduction in petroleum since 2005 AND achieved a reduction in petroleum use from prior year.</i>	<i>Agency achieved at least a 20% reduction in petroleum since 2005 OR made progress in reducing its use from prior year</i>	<i>Agency has not yet achieved a 20% reduction in petroleum since 2005, nor has it made progress in reducing its use from prior year..</i>
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Acquisition: Agencies will be 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, to include the mandatory clauses for the purchase of biobased, energy-efficient, recycled content and/or other sustainable attributes. OMB will also track as an indicator, agencies' planned acquisitions of biobased products by number of contracts and estimated dollar value of those contracts.

<i>Agency increased percentage of sustainable acquisitions of total actions (both number of actions & 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 & 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.

*To be consistent with 42 USC 8253 (d)(1)(C), this metric will be revised for FY2018 to ensure efficient utilization of performance contracting to achieve goals.

FY 2017 Preliminary Findings

- Facility energy intensity (Btu/Gross Square Foot) reductions
 - 26.7% reduction vs. 2003 – goal is 30%
 - 7.6% reduction vs. 2015
- Renewable electricity goal of 7.5% was exceeded (10.7% of electricity use)
- Potable water intensity reduction: 26.1% reduction vs. 2007, 3.8% vs. 2016
- Industrial/Landscaping/Agricultural (non-potable) water use was reduced 33.7% vs. 2010
- Efficiency investment in Federal facilities (\$1.5B total in FY 2017) decreased 14% from 2016
 - Direct funding investment: \$355 million in FY 2017
 - ESPC investment: \$1,009 million
 - UESC Investment: \$158 million
- Anticipated savings from efficiency investments since 2007: \$49 Billion by 2030
- Covered fleet petroleum use declined 1.0% from the prior year, but increased 1% from 2005
- Alternative fuel use in fleets increased 111.2% vs. 2005, but declined 10.3% from 2016 (alternative fuels are 3.8% of total fuel used)
- 4.5% of eligible buildings and 10.4% of eligible square feet are high-performance sustainable buildings
- Federal Government included sustainable acquisition requirements in more than 126,000 contract actions valued at more than \$332M
- Scope 1&2 greenhouse gas emissions declined by 25.7% vs. 2008, about the same as 2016

FY 2017 OMB SCORECARD FOR EFFICIENT FEDERAL OPERATIONS/MANAGEMENT SUMMARY

GOAL ASSESSMENT	METRICS	DHS	DOC	DOD	DOE	DOI	DOJ	DOL	State	DOT	ED	EPA	GSA	HHS	HUD	NARA	NASA	OPM	SI	SSA	TRSY	TVA	USACE	USDA	USPS	VA
FACILITY ENERGY EFFICIENCY	Change in energy intensity (Btu/GSF) compared to FY 2003:	-32%	-38%	-22%	-37%	-46%	-48%	-35%	-16%	-31%	N/A	-37%	-30%	-32%	-30%	-41%	-40%	-11%	-14%	-34%	-22%	-37%	-35%	-35%	-34%	-33%
	Change in energy intensity (Btu/GSF) compared to FY 2015:	-9%	-15%	-6%	-11%	-13%	-8%	-9%	-10%	-19%	N/A	-6%	-6%	-8%	-17%	-6%	-19%	-0.3%	-3%	-15%	-6%	-7%	-23%	-7%	-7%	-12%
EFFICIENCY MEASURES/ INVESTMENT	EISA-covered facilities evaluated for efficiency opportunities:	93%	93%	62%	90%	88%	13%	100%	86%	67%	N/A	93%	99%	94%	0%	100%	100%	93%	60%	93%	51%	100%	99%	95%	17%	100%
	Utilized performance contracting in FY 2017 to achieve energy, water, building modernization, infrastructure goals?	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	N/A	No	Yes	Yes	N/A	No	No	No	No	No	Yes	No	Yes	Yes	No	Yes
RENEWABLE ENERGY USE	Renewable electricity used (as a percentage of total electricity use):	11%	23%	6%	25%	16%	8%	25%	31%	18%	N/A	48%	13%	22%	11%	15%	13%	21%	16%	25%	11%	13%	17%	32%	N/A	28%
WATER EFFICIENCY	Change in potable water intensity compared to FY 2007:	-28%	-14%	-27%	-30%	-20%	-12%	-31%	-26%	-17%	N/A	-35%	-32%	-1%	-12%	-31%	-38%	-51%	-56%	-40%	-16%	-28%	-13%	-23%	-50%	-34%
	Change in potable water intensity from prior year:	-4%	41%	-4%	-2%	-2%	-6%	-7%	-10%	17%	N/A	9%	-12%	9%	30%	6%	4%	-14%	-5%	19%	11%	19%	4%	3%	2%	-6%
HIGH PERFORMANCE SUSTAINABLE BUILDINGS	Percent of owned buildings (less excess) meeting sustainability metrics:	7%	10%	2%	8%	5%	5%	7%	17%	3%	N/A	16%	28%	4%	N/A	15%	14%	N/A	1%	N/A	9%	9%	0%	21%	N/A	26%
	Percent of owned GSF meeting the sustainability metrics:	11%	18%	2%	9%	4%	6%	9%	6%	4%	N/A	25%	41%	8%	N/A	47%	21%	N/A	4%	N/A	12%	5%	0%	36%	N/A	42%
TRANSPORTATION/ FLEET MANAGEMENT	Change in petroleum fuel use in covered fleet compared to FY 2005:	342%	-44%	-34%	-36%	-25%	-43%	-32%	-24%	-29%	58%	-42%	-63%	-30%	-61%	N/A	-67%	45%	-36%	-50%	-80%	-68%	-21%	6%	24%	-10%
	Change in petroleum fuel use in covered fleet compared to prior year:	9%	-12%	0.1%	-8%	0.2%	-6%	-11%	-13%	-4%	-0.2%	-5%	-9%	41%	46%	-10%	-9%	3%	212%	-11%	-6%	-8%	-4%	0%	-1%	-15%
SUSTAINABLE ACQUISITION	Percentage point difference of sustainable contract actions from prior year:	-1%	0.4%	0.0%	1%	1%	-0.4%	-1%	2%	-5%	-0.2%	3%	0.1%	1%	1%	-1%	-1%	5%	1%	-0.4%	-0.3%	6%	N/A	-1%	TBD	-0.004%
	Percentage point difference of value of contracts with sustainable requirements from prior year:	0.3%	-0.4%	0.3%	1%	2%	-1%	-1%	-1%	4%	-0.04%	3%	3%	0.1%	1%	-5%	2%	-1%	1%	-0.3%	1%	5%	N/A	1%	TBD	-1%
Reduction in Agency Scope 1 and 2 GHG emissions from 2008:		27%	38%	21%	43%	26%	33%	35%	48%	37%	-66%	51%	39%	36%	56%	40%	32%	35%	22%	50%	46%	36%	15%	23%	21%	23%

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

OMB Scorecard for Efficient Federal Operations/Management FY 2017 Summary

Agency	FACILITY ENERGY EFFICIENCY	EFFICIENCY MEASURES/INVESTMENT	RENEWABLE ENERGY USE	WATER EFFICIENCY	HIGH PERFORMANCE SUSTAINABLE BUILDINGS	TRANSPORTATION/ FLEET MANAGEMENT	SUSTAINABLE ACQUISITION
GSA	●	●	●	●	●	●	●
DOE	●	▲	●	●	▲	●	●
DOL	●	●	●	●	▲	●	◆
VA	●	●	●	●	●	▲	◆
NASA	●	▲	●	▲	●	●	▲
EPA	●	▲	●	▲	▲	●	●
NARA	●	▲	●	▲	●	●	◆
TVA	●	▲	●	▲	◆	●	●
HHS	●	●	●	◆	▲	▲	●
DHS	●	●	●	●	▲	◆	▲
USDA	●	●	●	▲	●	▲	◆
DOI	●	▲	●	●	◆	▲	●
USACE	●	●	●	◆	◆	●	N/A
STATE	▲	▲	●	●	▲	●	▲
SSA	●	▲	●	▲	N/A	●	◆
HUD	●	▲	●	◆	N/A	▲	●
DOC	●	▲	●	◆	▲	●	▲
DOT	●	▲	●	◆	▲	●	▲
SI	▲	◆	●	●	▲	▲	●
DOJ	●	▲	●	▲	▲	●	◆
OPM	▲	▲	●	●	N/A	◆	▲
TRSY	▲	▲	●	◆	◆	●	▲
DoD	▲	▲	◆	●	◆	▲	●
USPS	●	◆	N/A	▲	N/A	▲	TBD
ED	N/A	N/A	N/A	N/A	N/A	▲	◆

N/A= Goal does not apply to the agency as it does not own, control, or report on its buildings.

Agency Planning and Reporting

- New: Sustainability Report and Implementation Plan
 - Streamlined format
 - Consolidates multiple submissions and aligns with OMB Scorecard
- Focuses on agency priorities and actions to advance sustainability, efficiency, and environmental performance:
 - Recent implementation and progress achieved
 - Projected improvement for the next fiscal year
 - Top strategies for continual progress
 - Notable projects, programs, or initiatives that drive success
- Due September 14th

Implementation Timeline

Guidance Reviews

USDA, DOE, GSA, and EPA review guidance related to energy and environmental performance issued by their respective agencies and, in conjunction with CEQ, develop a plan and proposed timeline to modify, replace, or rescind such guidance as necessary, to facilitate implementation of the E.O.

September 14
120 Days

Implementing Instructions

CEQ, in coordination with OMB, will develop and issue instructions for Agencies on how to implement goals of E.O. 13834, including requirements and streamlined metrics to assess agency progress.

August 15
90 Days

Fleet Management Report

DOE/FEMP, in coordination with DOD, GSA, and other agencies as appropriate, review existing Federal vehicle fleet requirements and report to CEQ and OMB regarding opportunities to optimize Federal fleet performance, reduce associated costs, and streamline reporting and compliance requirements.

October 15
150 Days

Resources for Agency Implementation



The screenshot shows the homepage of the Office of Federal Sustainability. At the top left is the logo for the Office of Federal Sustainability, Council on Environmental Quality. To the right is a search bar. Below the logo and search bar are navigation links: HOME, POLICY, PERFORMANCE DATA, and RESOURCES & GUIDANCE. The main banner features a blue sky background with the text "EXECUTIVE ORDER ON EFFICIENT FEDERAL OPERATIONS" and a "READ MORE" button. To the right of the text is the seal of the Executive Office of the President of the United States. Below the banner is a "Welcome" section with a horizontal line, followed by two paragraphs of text describing the office's mission and history.

OFFICE OF FEDERAL SUSTAINABILITY
COUNCIL ON ENVIRONMENTAL QUALITY

HOME POLICY PERFORMANCE DATA RESOURCES & GUIDANCE

EXECUTIVE ORDER ON
EFFICIENT FEDERAL OPERATIONS

READ MORE

WELCOME

The Office of Federal Sustainability (OFS) coordinates policy to promote energy and environmental sustainability across Federal Government operations, which encompass more than 350,000 buildings, 400,000 vehicles, and \$500 billion in purchased goods and services annually.

Established in 1993, OFS is housed within the White House [Council on Environmental Quality](#) and stewards the interagency Steering Committee on Federal Sustainability. The Office works across Federal agencies, departments, and other White House components to ensure effective implementation and achievement of statutory requirements and Administration goals related to Federal energy and environmental performance. It also coordinates implementation of programs and initiatives to improve facility and vehicle fleet efficiency, promote adoption of efficient technologies, and modernize Federal facilities and operations through the sound use of taxpayer dollars.

[sustainability.gov](https://www.sustainability.gov)

A one-stop-shop for information related to:

- Relevant policies, statutes, and Executive Orders
- Federal guidance
- Resources and tools for implementation
- Progress and performance data
- OMB Scorecards