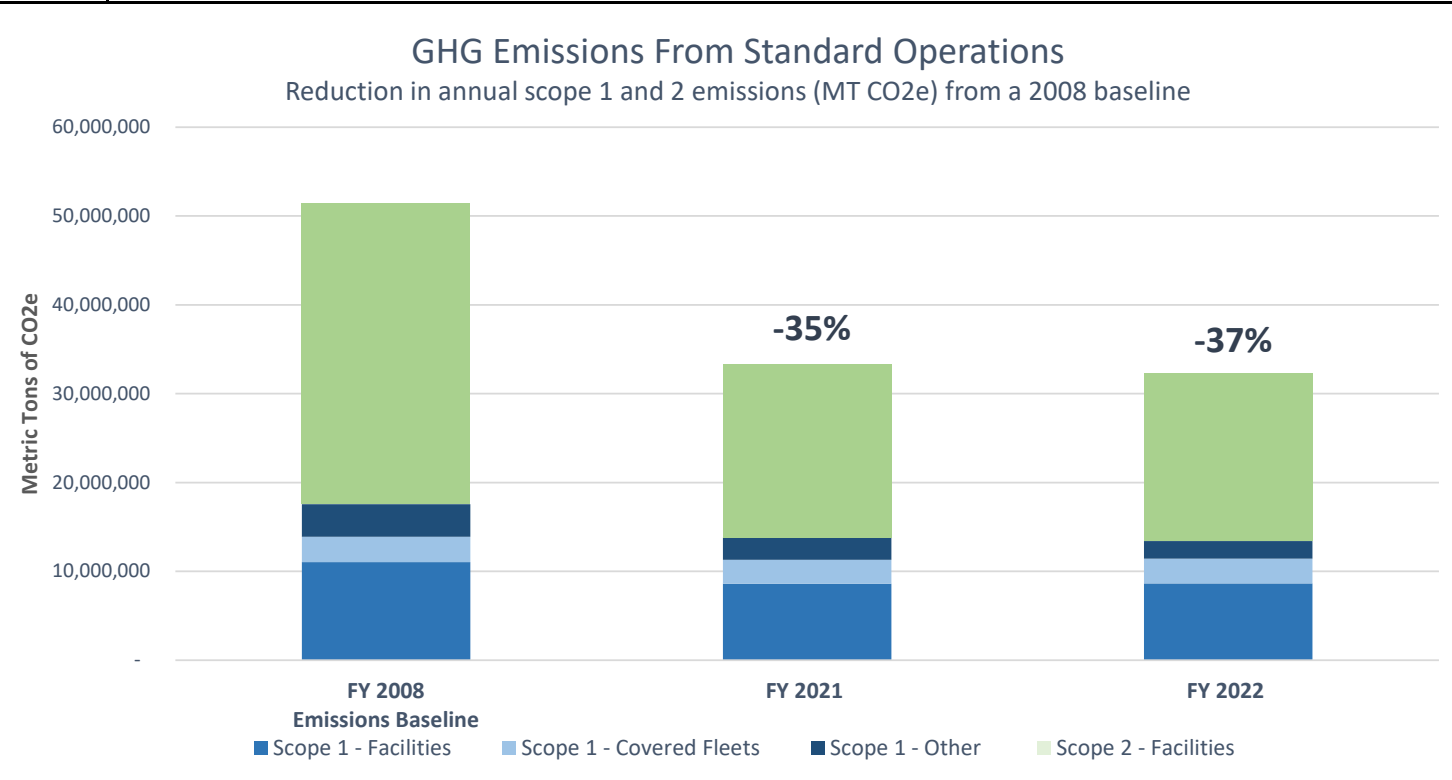


Federal Government
FY 2022 Sustainability Scorecard



**Net-Zero Emissions Operations by 2050,
 Including a 65% reduction by 2030**



Annual Progress from Prior Year		
	-373,871	-732,580
	Scope 1 Emissions	Scope 2 Emissions
	-3%	-4%
FY 2022 Standard Operations Emissions		
Scope and Category	MTCO2e	% of Total
Scope 1 - Covered Fleets	2,799,299	9%
Scope 1 - Other	1,989,061	6%
Scope 1 - Facilities	8,631,281	27%
Scope 2 - Facilities	18,810,179	58%
Total	32,229,821	

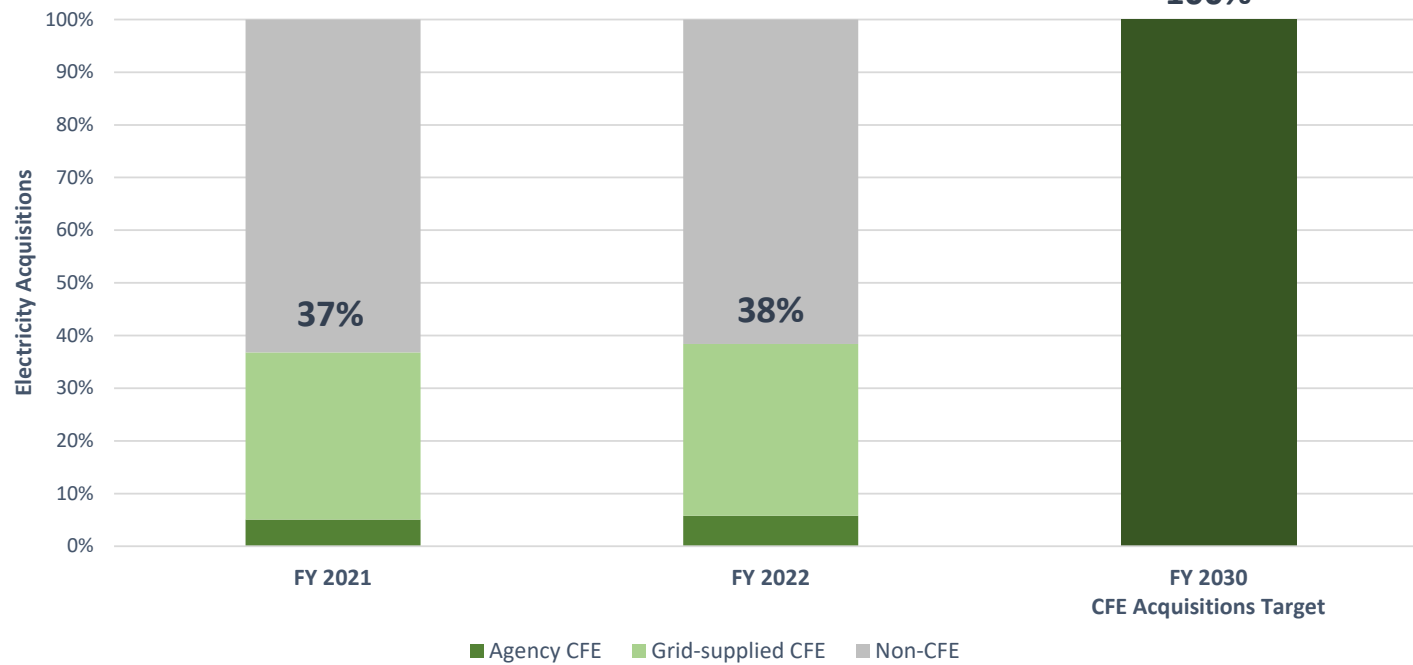
For abbreviations and definitions— See OMB Scorecard Glossary

Federal Government
FY 2022 Sustainability Scorecard



**100% Carbon Pollution-Free Electricity
on a Net Annual Basis by 2030**

Carbon Pollution-Free Electricity (CFE) Acquisitions
CFE percentage of total annual megawatt hours (MWh) consumed



Annual Progress from Prior Year

+758,889

MWh of CFE Acquisition

+4%

FY 2022 Agency Electricity Profile

<u>Category</u>	<u>MWh</u>	<u>% of Total</u>
Agency CFE	3,029,758	6%
Grid-Supplied CFE	17,100,661	33%
Non-CFE	32,324,273	62%

Total

52,454,692

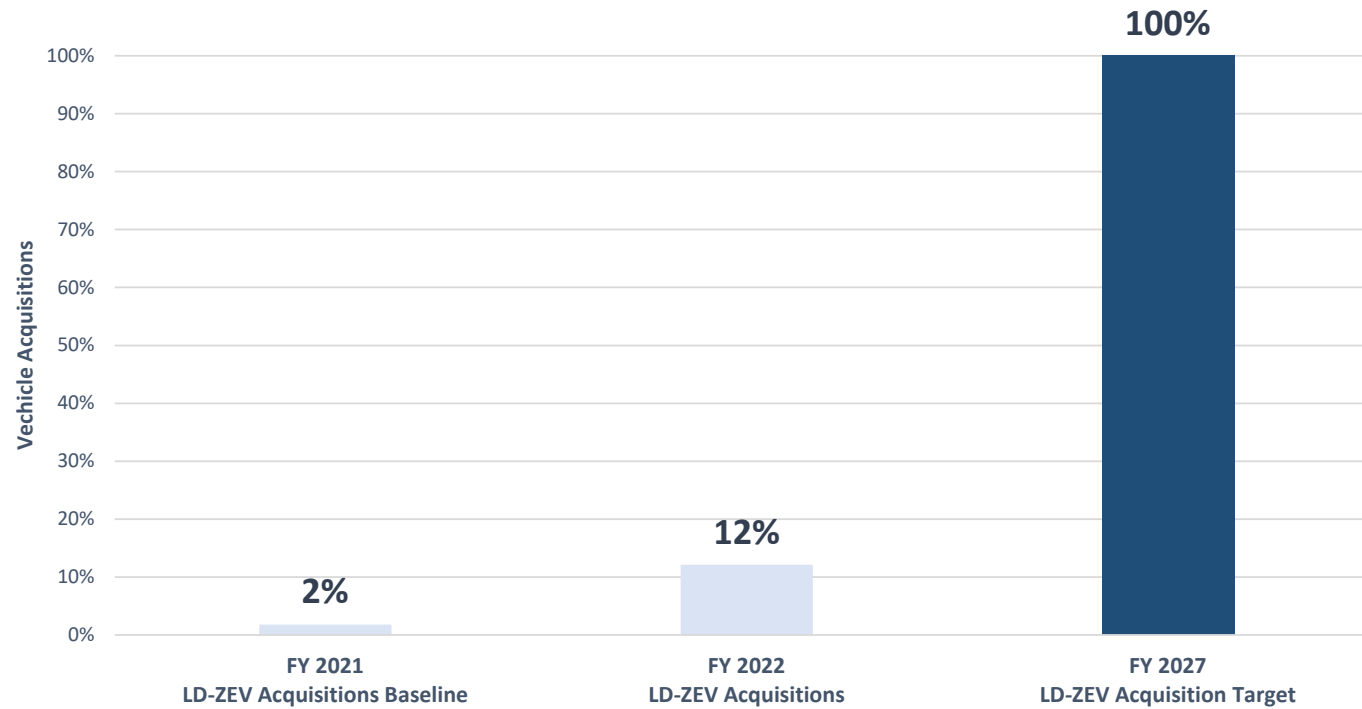
For abbreviations and definitions– See OMB Scorecard Glossary

Federal Government
FY 2022 Sustainability Scorecard



100% Zero-Emission Vehicle Acquisitions by 2035

Zero Emission Vehicles Acquisitions
 ZEVs as percentage of annual light-duty vehicle (LDV) orders



For abbreviations and definitions— See OMB Scorecard Glossary

Annual Progress from Prior Year

+2,866

LD-ZEV Acquisitions

+856

Charging Ports

+499%

+23%

Covered Fleet Inventory

<u>Category</u>	<u>FY 21</u>	<u>FY 22</u>
Light Duty ZEV	1,576	2,419
Light Duty ICE	449,608	450,596
Total	451,184	453,015

Charging Port Inventory

<u>Category</u>	<u>FY 21</u>	<u>FY 22</u>
AC Level 1	1,579	1,571
AC Level 2	2,152	2,997
DC Fast Charging	40	59
Total	3,771	4,627

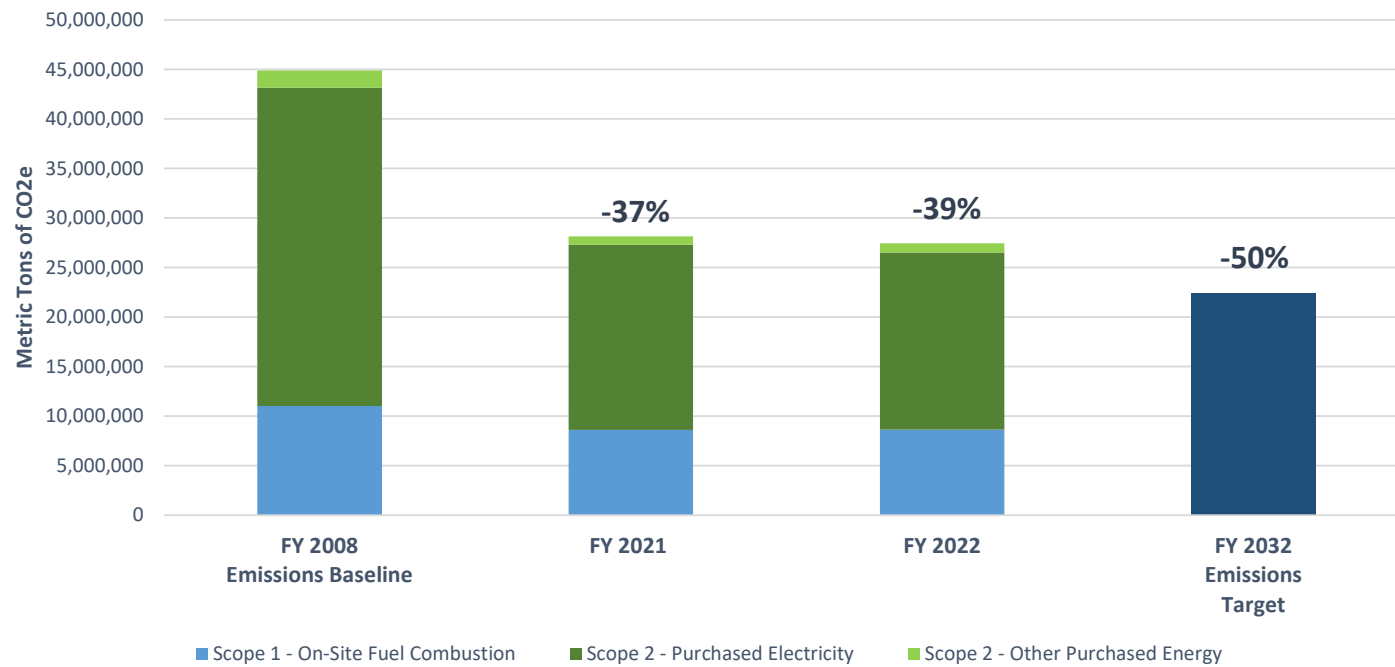
Federal Government

FY 2022 Sustainability Scorecard



Net-Zero Buildings by 2045, including a 50% reduction by 2032

GHG Emissions from Standard Operations in Facilities
Reduction in annual scope 1 and 2 emissions (MT CO2e) from a FY 2008 Baseline



Annual Progress from Prior Year

+14,862

Scope 1 Emissions

-732,580

Scope 2 Emissions

+0%

-4%

FY 2022 Buildings Standard Emissions

GHG	MTCO2e	% of Total
Scope 1 - On-Site Fuel Combustion	8,631,281	31%
Scope 2 - Purchased Electricity	17,874,273	65%
Scope 2 - Other Purchased Energy	935,907	3%

Total

27,441,461

For abbreviations and definitions— See OMB Scorecard Glossary

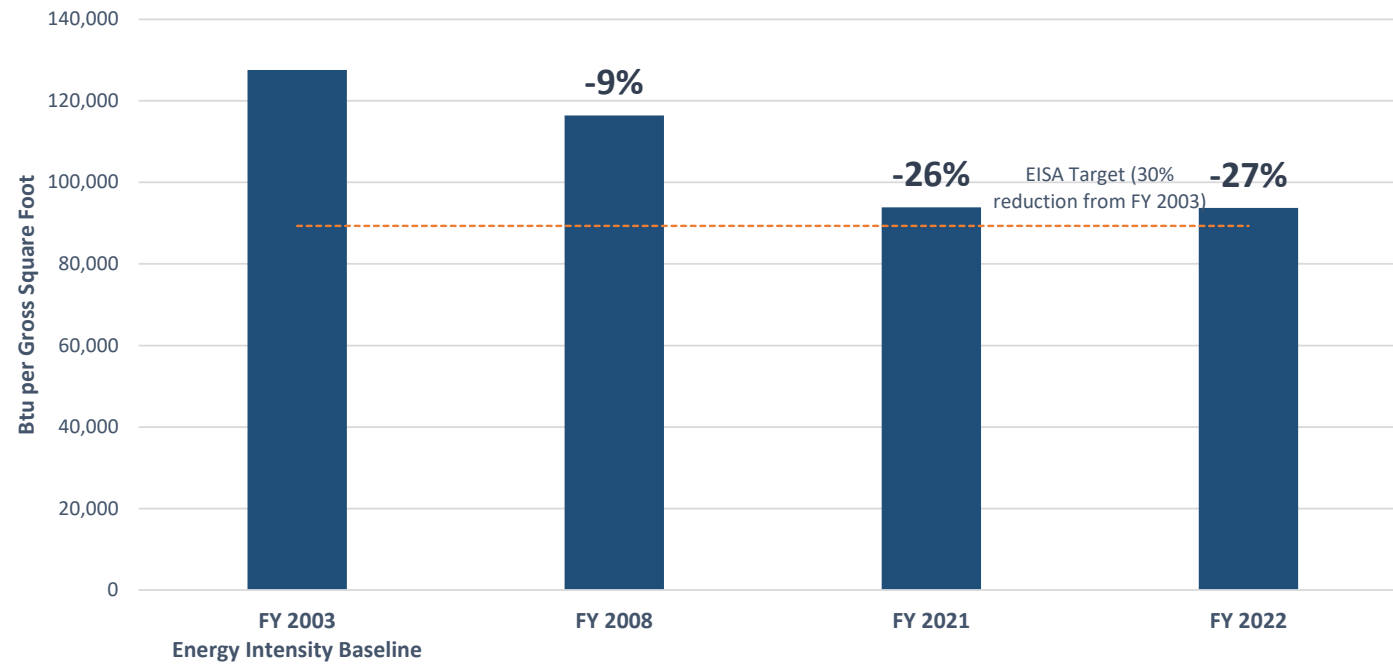
Federal Government
FY 2022 Sustainability Scorecard



Federal Facility Energy Use

Facility Energy Intensity

Reduction in facility energy intensity (Btu per GSF) from a 2003 baseline



Annual Progress from Prior Year

-112
 Btu per GSF
-0.1%

Energy Intensity Details

End Use	Site-Delivered BBtu	% of Total
Electricity	157,537	53%
On-Site Fuel Combustion	144,698	49%
Purchased Thermal	13,201	4%
On-Site Renewables and Other Adjustments	-20,417	-7%
End-Use Sector Total	295,018	
Gross Square Feet (Thou.)	3,083,755	
Energy Intensity	93,754	

For abbreviations and definitions— See OMB Scorecard Glossary

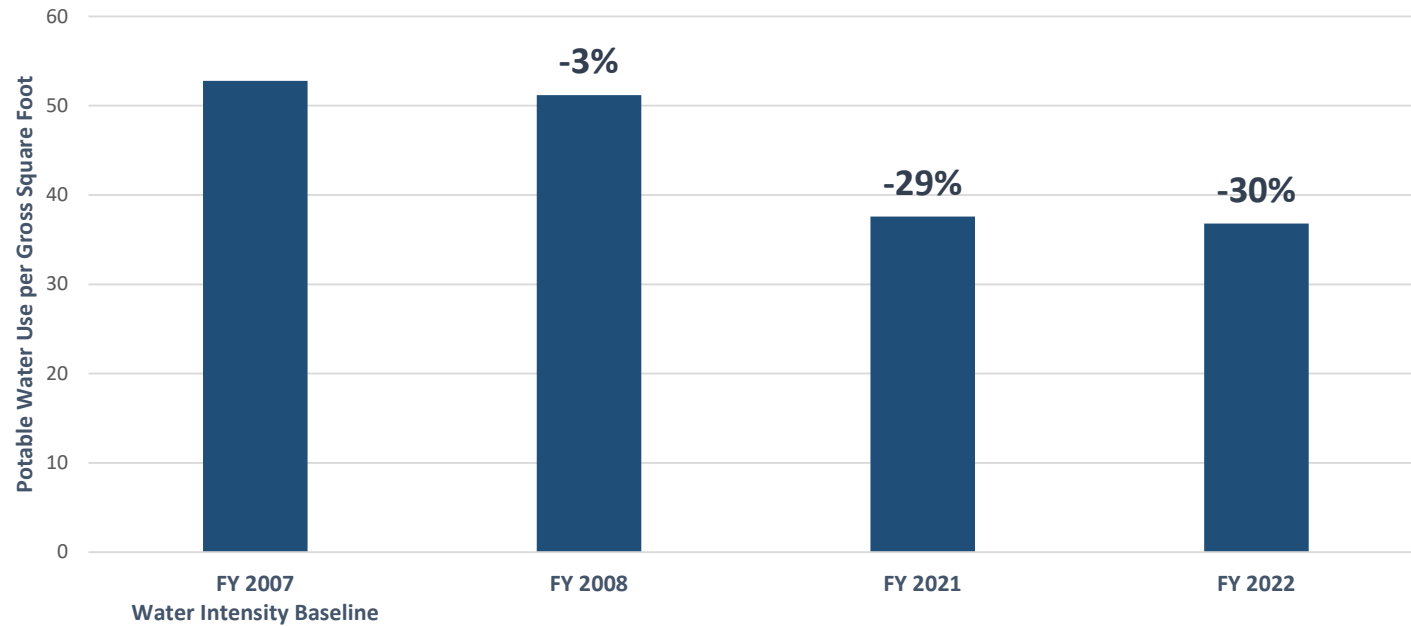
Federal Government
FY 2022 Sustainability Scorecard



Federal Facility Water Use

Facility Water Intensity

Reduction in facility water intensity (Gallons per GSF from a 2007 baseline)



Annual Progress from Prior Year

-1

Gallons per GSF Change

-2.1%

Water Intensity Details

	<u>FY22</u>
Gallons (Million)	117,817
GSF (Thou.)	3,200,393

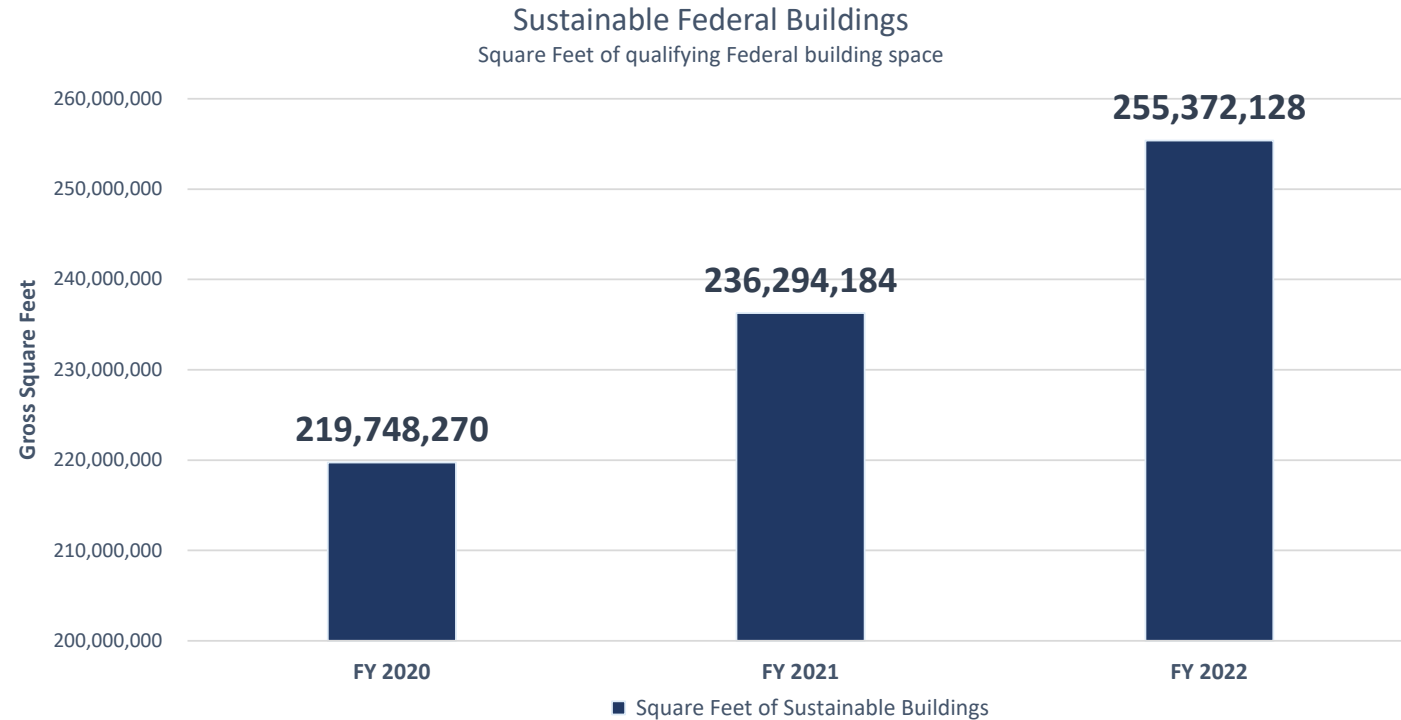
Water Intensity **36.8**

For abbreviations and definitions— See OMB Scorecard Glossary

Federal Government
FY 2022 Sustainability Scorecard



High Performance Sustainable Federal Buildings



Annual Progress from Prior Year

+1,281

Sustainable Federal Buildings

+19,077,945

Sq.ft of Sustainable Federal Buildings

+43%

+8%

Agency Sustainable Building Details

	<u>Number of Buildings</u>	<u>Sq.ft. of Buildings</u>
Assessed as Sustainable	4,226	255,372,128
All Applicable Buildings	21,239	1,601,685,522

Portfolio Sustainability

20%

16%

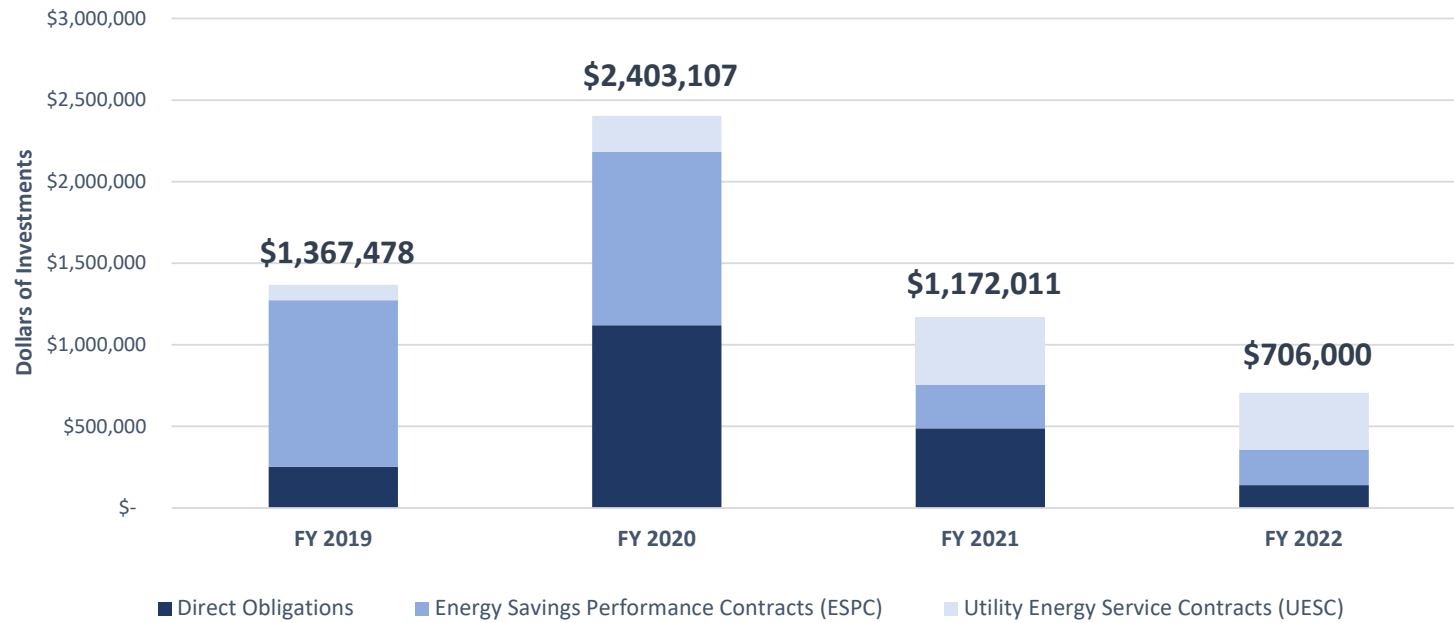
For abbreviations and definitions— See OMB Scorecard Glossary

Federal Government
FY 2022 Sustainability Scorecard



Federal Facility Efficiency Investments

Investment in Energy Efficiency and Renewable Energy
 (in Adjusted Constant FY 2022 Dollars (Thou.))



For abbreviations and definitions— See OMB Scorecard Glossary

Annual Progress

Percent of total investments completed by
 ESPC or UESCs over the last 4 years **65%**

Percent of covered facilities evaluated for efficiency
 opportunities **47%**

Agency Facility Investments in ECMs

Type of Investment	Thou. \$	% of investment
Direct Obligations	\$139,620	20%
ESPC	\$218,573	31%
UESC	\$347,807	49%

Total (M\$) \$706.0

OMB Scorecard Glossary

Abbreviations

Btu = British thermal units CFE = Carbon Pollution Free Electricity ECM = efficiency/conservation measure ESPC = Energy Savings Performance Contracts	EVSE = electric vehicle supply equipment (e.g. Charging Ports) GHG = greenhouse gas GSF = Gross square foot (or feet) ICE = Internal Combustion Engine KWh = Kilowatt hours	LDV = Light Duty Vehicle MTCO_{2e} = Metric Tons of Carbon Dioxide Equivalent N/A = data not available UESC = Utility Energy Service Contracts ZEV = Zero Emissions Vehicles
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Terminology

TOPIC

DATA SOURCE and TERMINOLOGY DEFINITIONS

NET-ZERO EMISSIONS OPERATIONS

Source: Agency greenhouse gas emission are calculated from the agency submitted Annual Energy Management Data Reports. Details and background data can be found on FEMP's [Comprehensive Annual Energy Data and Sustainability Performance](#) data site.

- **Standard Operations:** Any emissions from operations not designated, under section 602 of E.O. 14057, as exempted and reported as non-standard operations. Non-Standard Operations are vehicles, vessels, aircraft and other equipment used by Federal Government agencies in combat support, combat service support, tactical or relief operations, training for such operations, law enforcement, emergency response, or spaceflight (including associated ground-support equipment). Non-Standard operations also includes generation of electric power produced and sold commercially to other parties.
- **Scope 1 (Covered Fleets):** Emissions from standard operations from the agency's fleet of passenger fleet vehicles.
- **Scope 1 (Other):** Emissions from fluorinated gases and other fugitive emissions, on-site wastewater treatment, on-site landfills and municipal solid waste facilities, manufacturing and industrial processes, and from non-passenger fleet vehicles, aircraft, ships, and mobility equipment reported as standard operations.
- **Scope 1 (Facilities):** Emission from standard operations of on-site fuel consumption at federal facilities, including natural gas, fuel oil, LPG/propane, coal and any other fossil fuel.
- **Scope 2 (Facilities):** Emissions from standard operations of any purchased electricity, purchased biomass energy, purchased steam and hot water, purchased chilled water, purchased energy from combined heat/power plants, and renewable energy purchases

See [E.O. 14057 Implementing Instructions for Federal Agencies](#) for more details on definitions.

CARBON POLLUTION-FREE ELECTRICITY

Source: Agency electric energy consumption is submitted to DOE-FEMP through Annual Energy Management Data Report. Details and background data can be found on FEMP's [Comprehensive Annual Energy Data and Sustainability Performance](#) data site.

- **Agency CFE:** Includes electricity generated at a Federal facility, electricity purchased from a qualifying CFE generation source with the associated energy attribute certificates (EACs) and Purchased or unbundled EAC.
- **Grid-supplied CFE:** CFE delivered as part of default electricity service or the electricity grid mix from a utility or electric service provider
- **Non-CFE:** Electricity from non-electric sources.

See [E.O. 14057 Implementing Instructions for Federal Agencies](#) for more details on definitions.

OMB Scorecard Glossary

Terminology and Progress Indicators

TOPIC	DATA SOURCE and TERMINOLOGY DEFINITIONS
<p>ZERO-EMISSION VEHICLE ACQUISITIONS</p>	<p>Source: Agency fleet inventory and EVSE installation data was reported in the Federal Automotive Statistical Tool (FAST). Acquisition (vehicle order) data was provided by GSA.</p> <ul style="list-style-type: none"> • Light Duty: A vehicle weighing 8,500 pounds gross vehicle weight rating or less, certified for use on all public roads and highways. (Sec. VII of M-22-06) • Vehicle Acquisition: The placement of an order for a vehicle, recognizing fulfillment and timing of delivery is not within an agency’s control. • Vehicle Inventory: Vehicles in agency operation as of September 30 of the fiscal year as reported in FAST. • Charging Port: Electric vehicle supply equipment connector in agency operation as of September 30 of the fiscal year as reported in FAST. A charging station may have multiple ports. <p>See E.O. 14057 Implementing Instructions for Federal Agencies for more details on definitions.</p>
<p>NET-ZERO EMISSIONS BUILDINGS</p>	<p>Source: Agency facility greenhouse gas emission are calculated from the agency submitted Annual Energy Management Data Reports. Details and background data can be found on FEMP's Comprehensive Annual Energy Data and Sustainability Performance data site.</p> <ul style="list-style-type: none"> • Scope 2 - Other Purchased Energy: Emissions from standard operations from any purchased biomass energy, purchased steam and hot water, purchased chilled water, purchased energy from combined heat/power plants, and renewable energy purchases. <p>See E.O. 14057 Implementing Instructions for Federal Agencies for more details on definitions.</p>
<p>FACILITY ENERGY EFFICIENCY</p>	<p>Source: Agency facility energy use is submitted to DOE-FEMP through Annual Energy and Water Use Reports. Details and background data can be found on FEMP's Comprehensive Annual Energy Data and Sustainability Performance data site.</p> <ul style="list-style-type: none"> • Purchased Thermal Energy: Include energy from purchased steam and hot water and purchased chilled water. • Purchased Renewables and Adjustments: Includes renewable energy purchases but not on-site RE, subtracts source-energy-saving project credit, weather normalization credit, and project savings in Excluded buildings credit)
<p>FACILITY WATER EFFICIENCY</p>	<p>Source: Agency facility water use is submitted to DOE-FEMP through Annual Energy Data Reports. Details and background data can be found on FEMP's Comprehensive Annual Energy Data and Sustainability Performance data site.</p>
<p>HIGH PERFORMANCE SUSTAINABLE BUILDINGS</p>	<p>Source: Agency sustainable building inventory is reported through GSA's Federal Real Property Profile Management System. Details and background data can be found in the Federal Real Property Public Data Set (FRPP)</p> <ul style="list-style-type: none"> • Assessed as Sustainable: Any building which meets the criteria as laid out in the CEQ Guiding Principles for Sustainable Federal Buildings and Associated Instructions • Applicable Buildings: All sustainable buildings and all federal buildings over 25,000 sq.ft. which met the criteria as detailed in Section 32 of the GSA 2022 Guidance for Real Property Inventory Reporting
<p>FACILITY EFFICIENCY MEASURES/ INVESTMENT</p>	<p>Source: Agency facility efficiency investments are submitted to DOE-FEMP through Annual Energy Data Reports. Details and background data can be found on FEMP's Comprehensive Annual Energy Data and Sustainability Performance data site.</p>