

FY 2020 Government-wide Performance Findings

- Facility energy intensity (Btu/Gross Square Foot) reductions
 - 26.7% reduction vs. 2003 – goal is 30%
 - 1.5% decrease vs. 2019
- Renewable electricity goal of 7.5% was exceeded (9.0% of electricity use)
- Potable water intensity reduction: 27.7% reduction vs. 2007, 0.3% reduction vs. 2019
- Efficiency investment in Federal facilities (\$2.1B total in FY 2020) increased 76% from 2019
 - Direct funding investment: \$1.0 billion in FY 2020
 - ESPC investment: \$949 million
 - UESC Investment: \$199 million
- 7.5% of eligible federal buildings (nearly 3,000 buildings), and 11.9% of eligible federal square feet, (nearly 220 million sq.ft.), were reported to be high-performance sustainable buildings
- Covered fleet petroleum use decreased 1.0% from the prior year, and increased 0.02% from 2005 (alternative fuels are 2.1% of total fuel used)
- Scope 1&2 greenhouse gas emissions from standard operations declined by 32.2% vs. 2008, compared to a 27.7% reduction in 2019

FY 2020 OMB SCORECARD FOR EFFICIENT FEDERAL OPERATIONS/MANAGEMENT SUMMARY

GOAL ASSESSMENT		METRICS										DHS	DOC	DOD	DOE	DOI	DOJ	DOL	State	DOT	Education	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:	-27.3%	-45.3%	-21.2%	-38.9%	-52.8%	-49.6%	-39.5%	-6.1%	-36.9%	na	-41.0%	-32.3%	-23.7%	-25.7%	-47.4%	-43.4%	-31.5%	-20.7%	-38.1%	-24.7%	-67.6%	-39.6%	-43.3%	-35.6%	-27.8%										
	Change in energy intensity (Btu/GSF) from prior year:	1.8%	-17.7%	-0.4%	-2.0%	-12.0%	-4.0%	-7.7%	2.4%	-5.5%	na	-5.7%	-4.3%	-0.8%	6.5%	-9.8%	-3.6%	9.6%	-6.8%	-6.7%	1.0%	-9.1%	-7.1%	-5.9%	-4.8%	1.0%										
EFFICIENCY MEASURES/ INVESTMENT	EISA-covered facilities evaluated for efficiency opportunities:	97.1%	100.0%	28.6%	99.9%	70.5%	12.9%	89.2%	100.0%	94.3%	na	100.0%	96.0%	67.8%	0.0%	100.0%	82.9%	33.3%	50.0%	78.9%	6.3%	100.0%	98.3%	93.1%	0.0%	97.6%										
	Utilized performance contracting in FY 2020 to achieve energy, water, building modernization, infrastructure goals?	No	No	Yes	No	No	No	No	Yes	No	na	No	Yes	Yes	No	No	Yes	No	No	No	Yes	No	No	Yes	No	Yes										
RENEWABLE ENERGY USE	Renewable electricity used (as a percentage of total electricity use):	8.6%	13.8%	6.3%	21.2%	14.1%	9.8%	0.4%	41.7%	9.9%	na	8.7%	11.1%	9.9%	20.0%	23.2%	9.7%	20.5%	11.9%	16.6%	13.9%	18.7%	18.0%	11.0%	4.2%	11.6%										
WATER EFFICIENCY	Change in potable water intensity compared to FY 2007:	-27.5%	-38.6%	-27.2%	-34.3%	-32.1%	-18.1%	-41.0%	-25.0%	-25.4%	na	-49.7%	-36.5%	-18.2%	-42.6%	-44.4%	-33.4%	-52.9%	-44.7%	-50.9%	-18.9%	-48.0%	-16.4%	-35.2%	-50.8%	-36.1%										
	Change in potable water intensity from prior year:	3.0%	-25.5%	1.2%	-2.2%	-10.3%	-0.9%	-12.8%	-5.0%	1.2%	na	-11.3%	-7.9%	3.7%	-12.6%	-9.4%	-1.1%	3.2%	-16.4%	-16.3%	-6.6%	-17.6%	-4.0%	-12.6%	5.2%	-2.4%										
HIGH PERFORMANCE SUSTAINABLE BUILDINGS	Percent of owned buildings (eligible) meeting the sustainability criteria:	15.3%	20.2%	2.7%	13.8%	12.5%	6.4%	8.6%	2.9%	6.6%	na	20.6%	27.8%	7.5%	na	15.8%	20.2%	na	0.0%	na	18.2%	14.1%	21.7%	45.6%	na	34.8%										
	Percentage point difference from prior year:	1.9	1.4	0.9	1.1	2.9	0.7	0.0	-0.8	1.4	na	-2.9	2.3	2.3	na	0.0	0.5	na	0.0	na	0.0	0.1	15.9	0.0	na	-0.2										
	Percent of GSF (eligible) meeting the sustainability criteria:	12.8%	20.5%	2.3%	11.6%	6.3%	6.7%	9.6%	2.9%	6.8%	na	25.5%	40.0%	10.9%	na	47.1%	25.0%	na	0.0%	na	19.8%	22.3%	9.3%	47.0%	na	43.5%										
	Percentage point difference from prior year:	0.3	0.7	0.4	1.1	1.3	0.6	0.0	-2.7	1.2	na	-2.3	2.5	2.4	na	0.0	1.2	na	0.0	na	0.0	0.3	6.1	0.3	na	-0.3										
TRANSPORTATION/ FLEET MANAGEMENT	Change in petroleum fuel use in covered fleet compared to FY 2005:	100.8%	-60.6%	-23.2%	-43.5%	-40.1%	-40.6%	-58.8%	-4.8%	-50.0%	-20.5%	-70.0%	-78.5%	-85.4%	-83.0%	-77.7%	-67.4%	-99.6%	-71.4%	-72.4%	-90.3%	-40.3%	-15.4%	-8.8%	40.8%	-29.5%										
	Change in petroleum fuel use in covered fleet compared to prior year:	-7.7%	-27.0%	-5.6%	-9.5%	-5.9%	-14.7%	-36.8%	-25.0%	-24.8%	-45.5%	-45.7%	-40.3%	-77.4%	-70.0%	-54.6%	45.6%	-85.8%	-7.6%	-39.6%	-32.0%	-16.5%	8.9%	-5.2%	4.9%	-32.2%										
SUSTAINABLE ACQUISITION	Percentage point difference of sustainable contract actions from prior year:	0.1	-0.1	0.2	-0.4	-1.8	-0.7	1.2	1.8	1.8	0.1	3.0	1.4	-0.2	-0.2	4.0	3.4	-0.3	0.2	0.0	-0.2	2.1	32.2	-0.7	na	-0.1										
	Percentage point difference of value of contracts with sustainable requirements from prior year:	4.9	1.2	0.8	0.1	-0.7	1.7	2.9	2.7	-1.1	0.3	-1.6	-4.1	-2.1	0.5	1.9	0.9	5.4	3.6	-0.8	-0.7	-4.4	3.8	-2.0	0.3	-1.1										

Department of Energy
FY 2020 OMB SCORECARD FOR EFFICIENT FEDERAL OPERATIONS/MANAGEMENT

<u>GOAL ASSESSMENT</u>		<u>PERFORMANCE</u>	<u>OTHER PROGRESS INDICATORS</u>	
	<u>METRICS</u>	<u>RATING*</u>		
FACILITY ENERGY EFFICIENCY	Change in energy intensity (Btu/GSF) compared to FY 2003:	-38.9%	FY 2003: 222,627 Btu/GSF; FY 2019: 138,741 Btu/GSF; FY 2020: 136,014 Btu/GSF	
	Change in energy intensity (Btu/GSF) from prior year:	-2.0%	Average cost of energy per site-delivered million Btu:	\$19.75
EFFICIENCY MEASURES/ INVESTMENT	EISA-covered facilities evaluated for efficiency opportunities:	99.9%	Implementation cost of ECMs identified for potential investment (\$M):	\$1,266.7
	Utilized performance contracting in FY 2020 to achieve energy, water, building modernization, infrastructure goals?	No	Direct investment in FY 2020 (\$M):	\$19.9
			ESPC and UESC investment in FY 2020 (\$M):	\$0.0
			Annual Btu saved per \$1 of investment in 2020:	7,062
RENEWABLE ENERGY USE	Renewable electricity used (as a percentage of total electricity use):	21.2%	Renewable electricity + non-electric renewable energy used (as a percentage of total electricity use):	23.6%
WATER EFFICIENCY	Change in potable water intensity compared to FY 2007:	-34.3%	FY 2007: 68.3 Gal/GSF; FY 2019: 45.9 Gal/GSF; FY 2020: 44.9 Gal/GSF	
	Change in potable water intensity from prior year:	-2.2%	Cost of potable water per thousand gallons:	\$4.04
HIGH PERFORMANCE SUSTAINABLE BUILDINGS	Percent of owned buildings (eligible) meeting the sustainability criteria:	13.8%	Buildings meeting sustainability criteria:	236
	Percentage point difference from prior year:	1.1	Total count of eligible buildings:	1,705
	Percent of GSF (eligible) meeting the sustainability criteria:	11.6%	GSF meeting sustainability criteria (thou.):	9,414
	Percentage point difference from prior year:	1.1	Total eligible GSF (thou.):	81,379
TRANSPORTATION/ FLEET MANAGEMENT	Change in petroleum fuel use in covered fleet compared to FY 2005:	-43.5%	Alternative fuel use as a percentage of total covered fleet fuel use:	22.8%
	Change in petroleum fuel use in covered fleet compared to prior year:	-9.5%	Percentage of covered AFV acquisitions (w/bonus credits):	202.4%
SUSTAINABLE ACQUISITION	Percentage point difference of sustainable contract actions from prior year:	-0.4	Number of applicable contract actions w/ sustainable clauses, FY20:	1,626
			Number of applicable contract actions w/ sustainable clauses, FY19:	1,553
	Percentage point difference of value of contracts with sustainable requirements from prior year:	0.1	Value of applicable contract actions w/ sustainable clauses, FY20:	\$20,276.0M
			Value of applicable contract actions w/ sustainable clauses, FY19:	\$18,758.0M

Change in Agency Scope 1 and 2 GHG emissions from 2008: -51.9%

*Due to the COVID-19 pandemic, the data as reported may appear anomalous and represent exogenous factors beyond the agency's control. The impact on agency performance has not been fully evaluated at this time.

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

Scorecard Criteria

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 $\geq 30\%$ reduction compared to 2003 <u>AND</u> achieved a reduction in energy intensity from the prior year.</i>	<i>Agency achieved $\geq 30\%$ reduction compared to 2003 <u>OR</u> 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 <u>AND</u> 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>$\geq 90\%$ of facility evaluations completed/updated within last 4 years <u>AND</u> agency awarded performance contracts in the fiscal year.</i>	<i>$\geq 75\%$ facility evaluations completed/updated within last 4 years <u>OR</u> agency awarded performance contracts in the fiscal year.</i>	<i>$< 75\%$ of facility evaluations completed/updated within last 4 years & 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 $\geq 7.5\%$ 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.

<i>Agency achieved $\geq 20\%$ reduction in potable water use intensity compared to 2007 <u>AND</u> reduced its potable water use intensity from the prior year.</i>	<i>Agency achieved $\geq 20\%$ reduction compared to 2007 <u>OR</u> achieved a reduction in potable water intensity from the prior year.</i>	<i>Agency did not achieve a 20% reduction compared to 2007 <u>AND</u> 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 <u>OR</u> 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 <u>AND</u> 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.

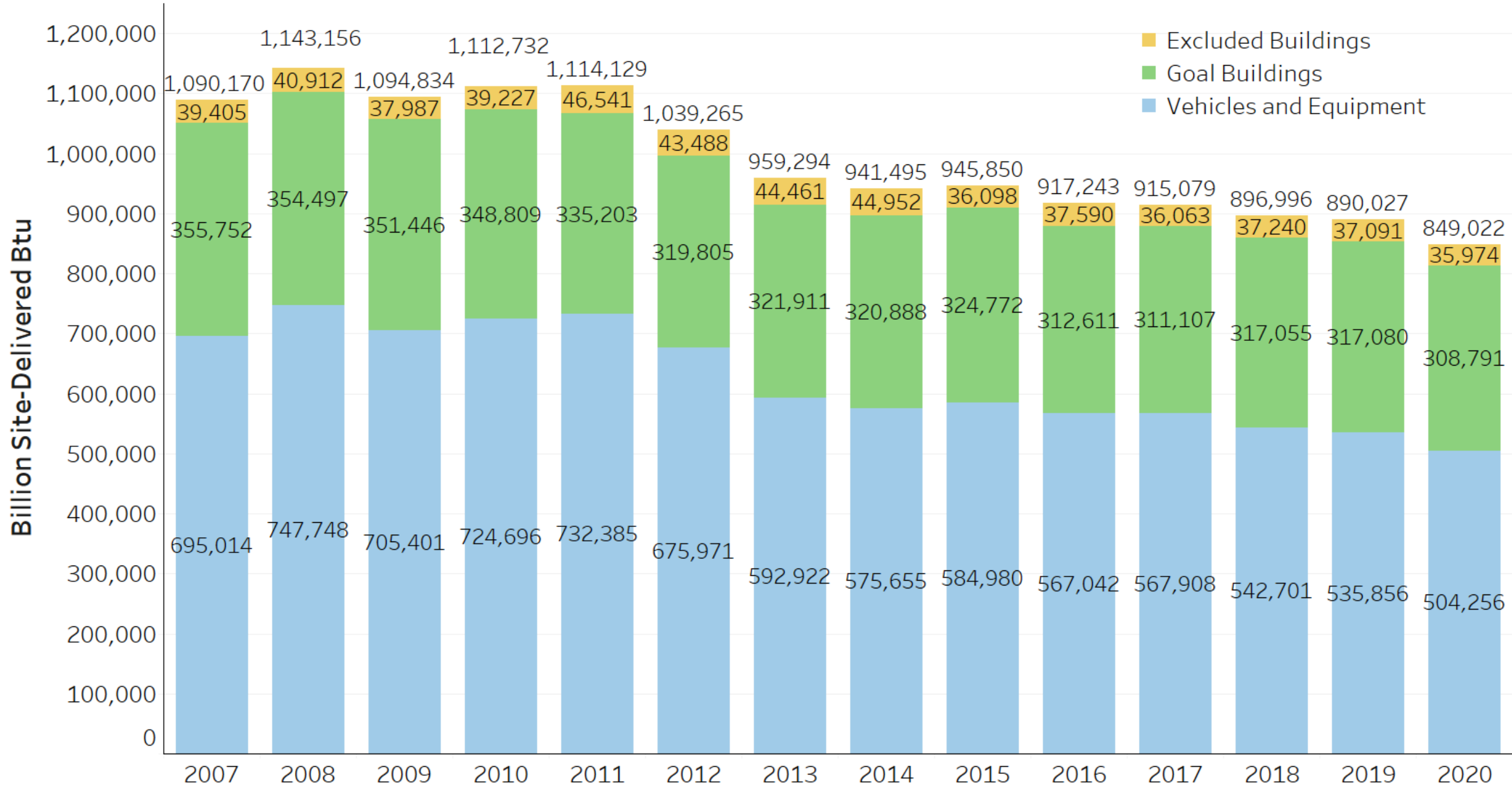
<i>Agency achieved $\geq 20\%$ reduction in petroleum use compared to 2005 <u>AND</u> achieved a reduction in petroleum use from prior year.</i>	<i>Agency achieved $\geq 20\%$ reduction in petroleum use compared to 2005 <u>OR</u> achieved a reduction in petroleum use from prior year.</i>	<i>Agency did not achieve a 20% reduction in petroleum use compared to 2005 <u>AND</u> 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 & 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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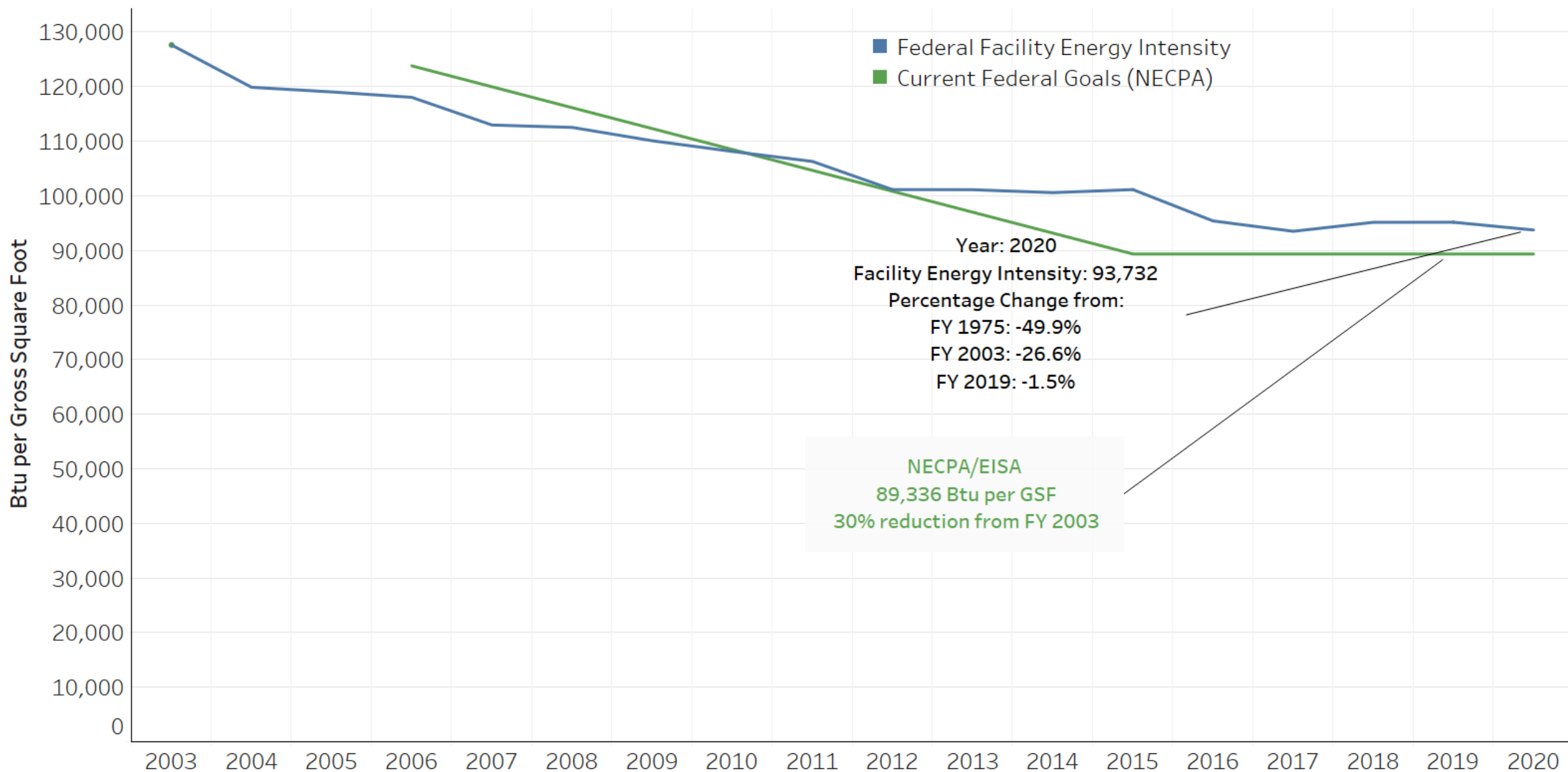
Greenhouse Gas Emissions: Agencies' GHG emission reductions compared to FY 2008 base year will be determined from its annual data report and tracked and reported as an indicator on the Scorecard.

Federal Government Energy Use by Sector (FY 2007 - FY 2020)

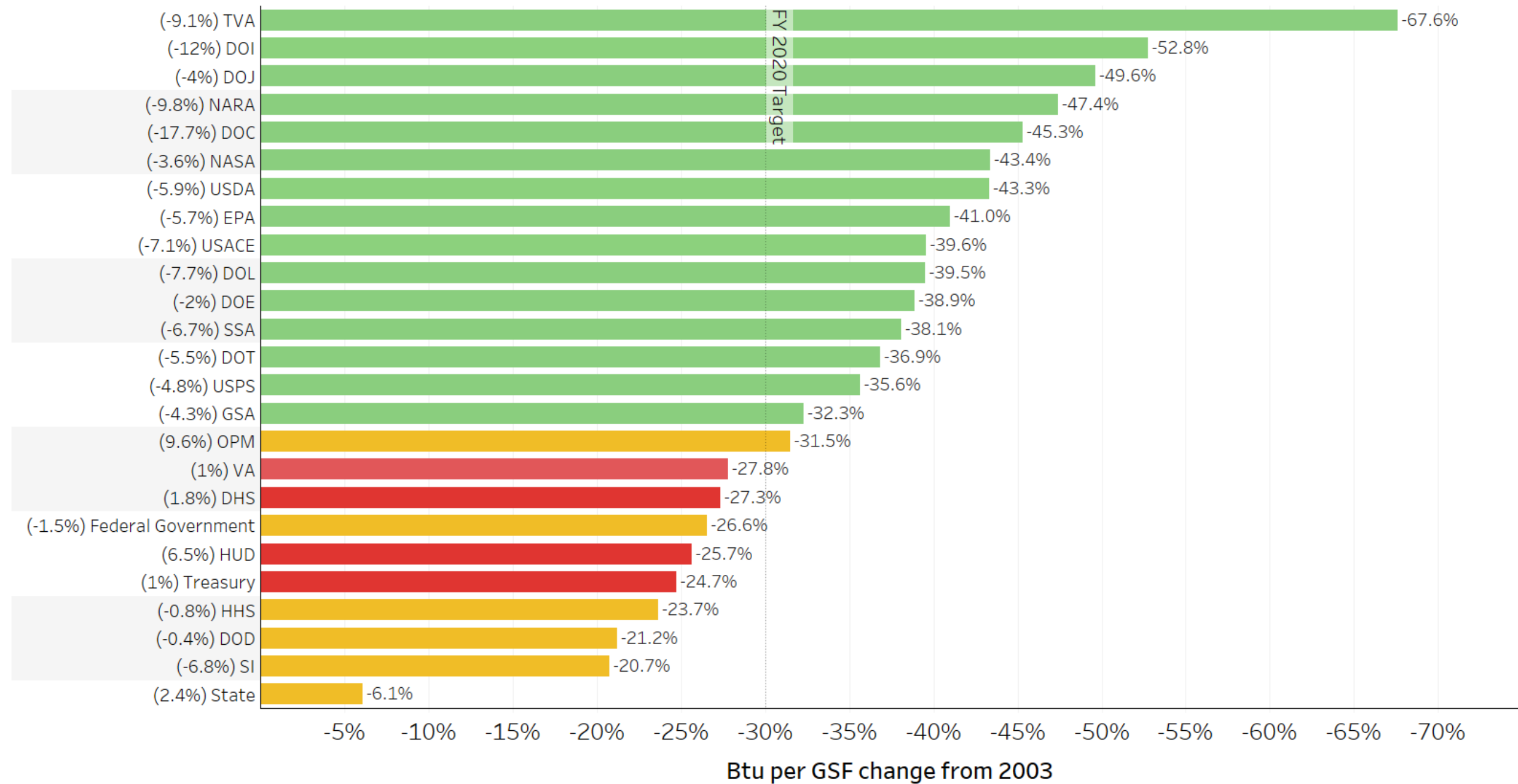


Federal Government Progress Toward Facility Energy Efficiency Goals

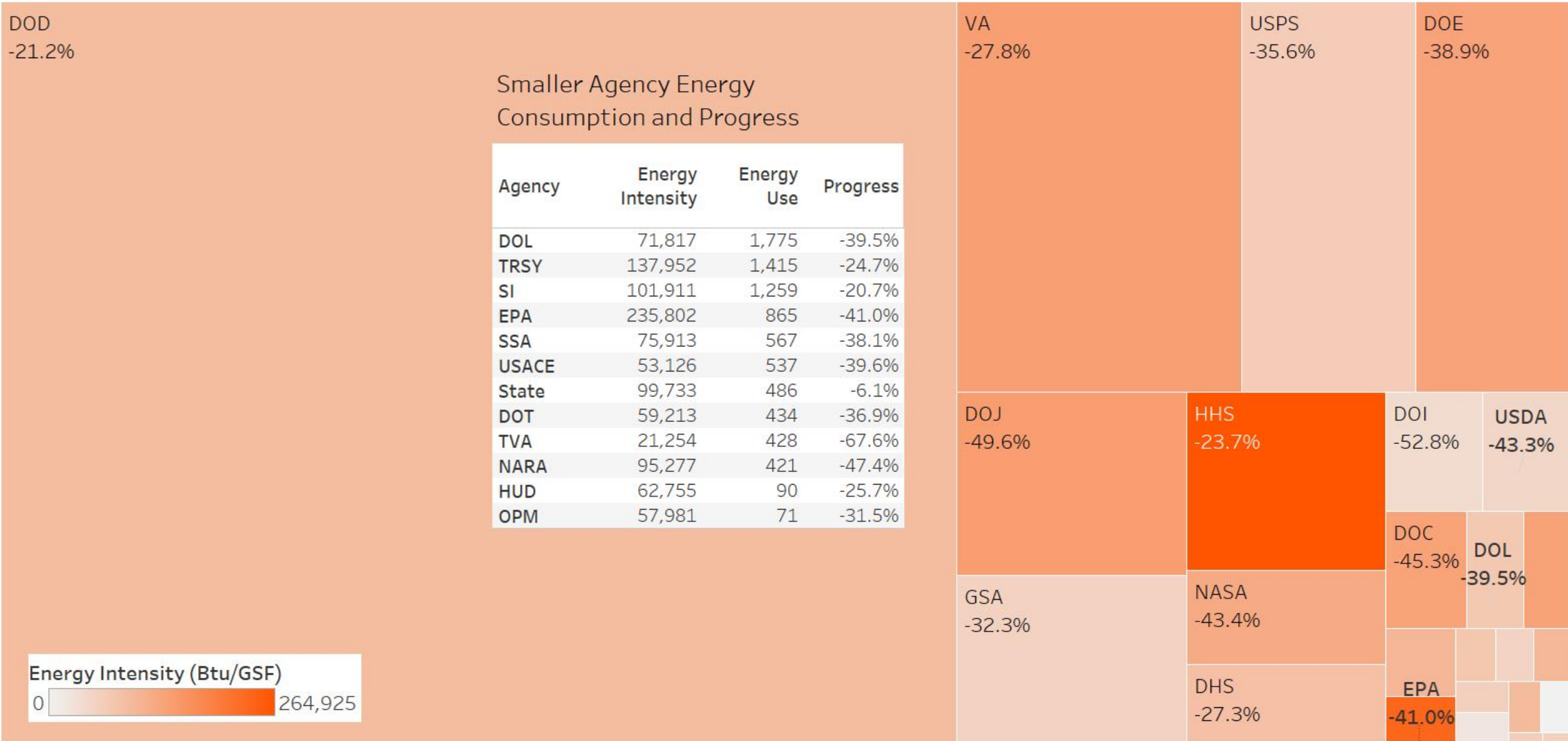
FY 2003 - FY 2020



Federal Agency Progress in Facility Energy Use Intensity Reduction, FY 2003 to FY 2020

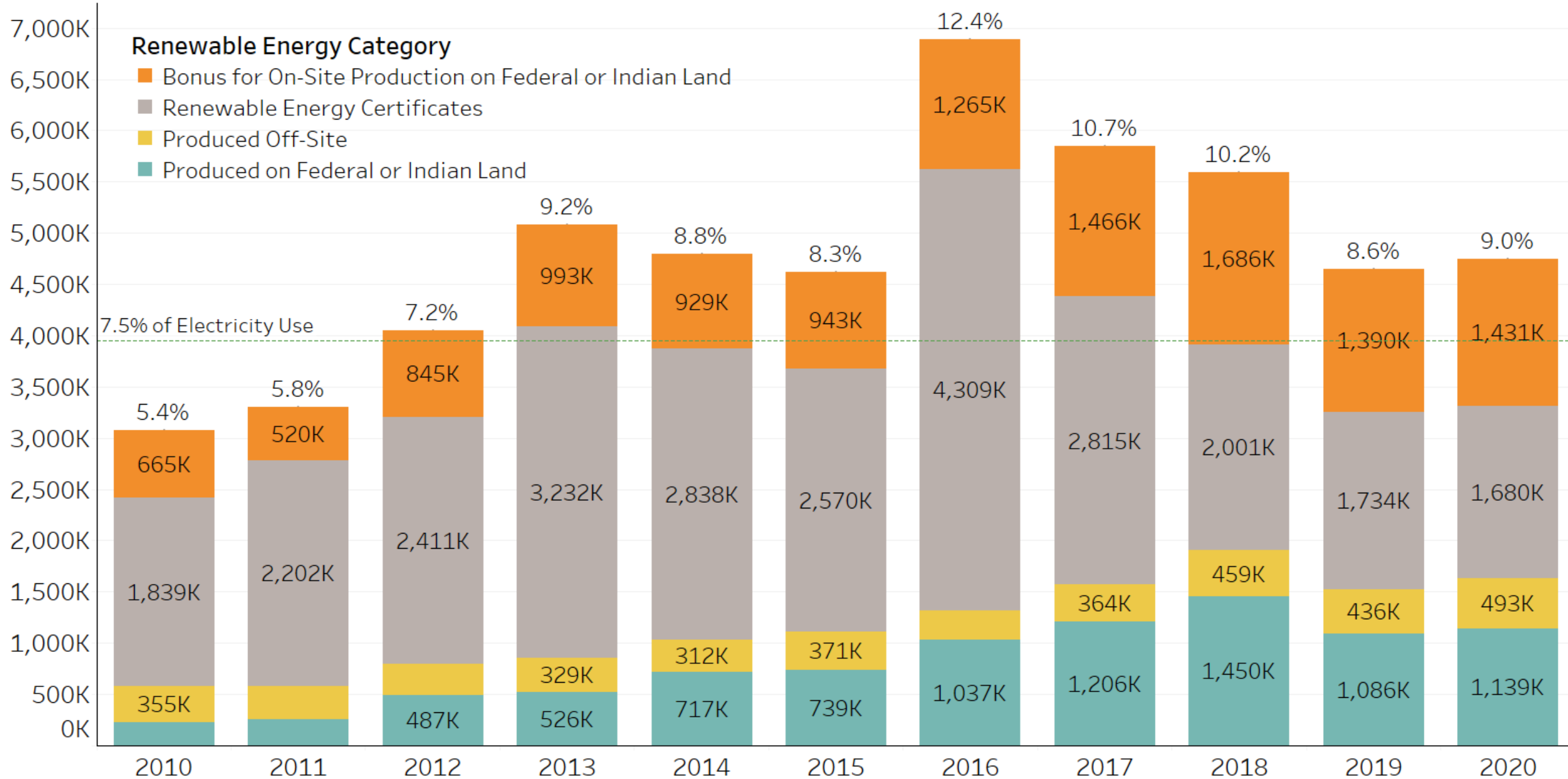


2020 Goal Building Energy Use: 309 Trillion Btu, with Intensity and Reduction Progress versus 2003

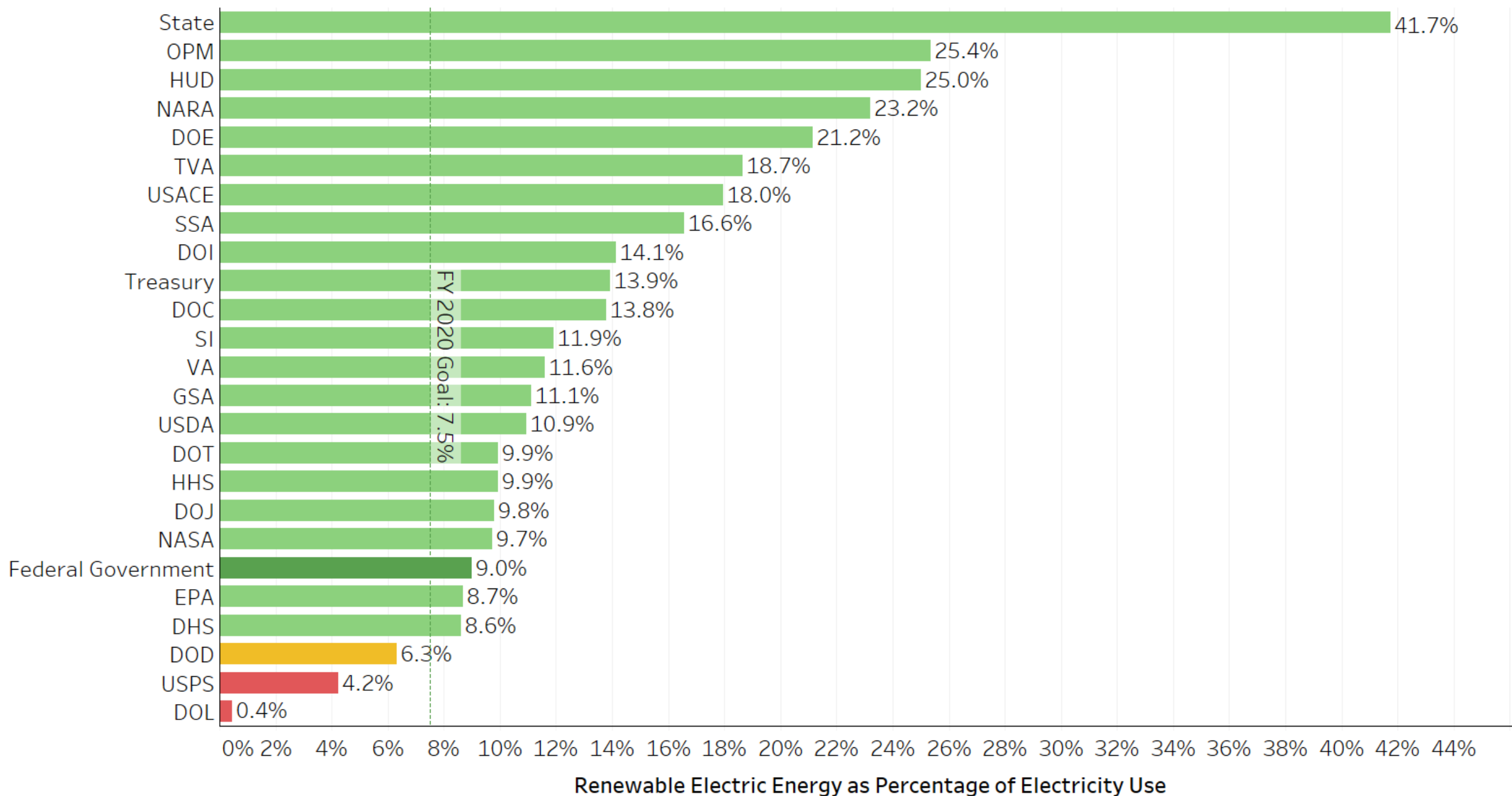


Federal Government Renewable Electricity Use

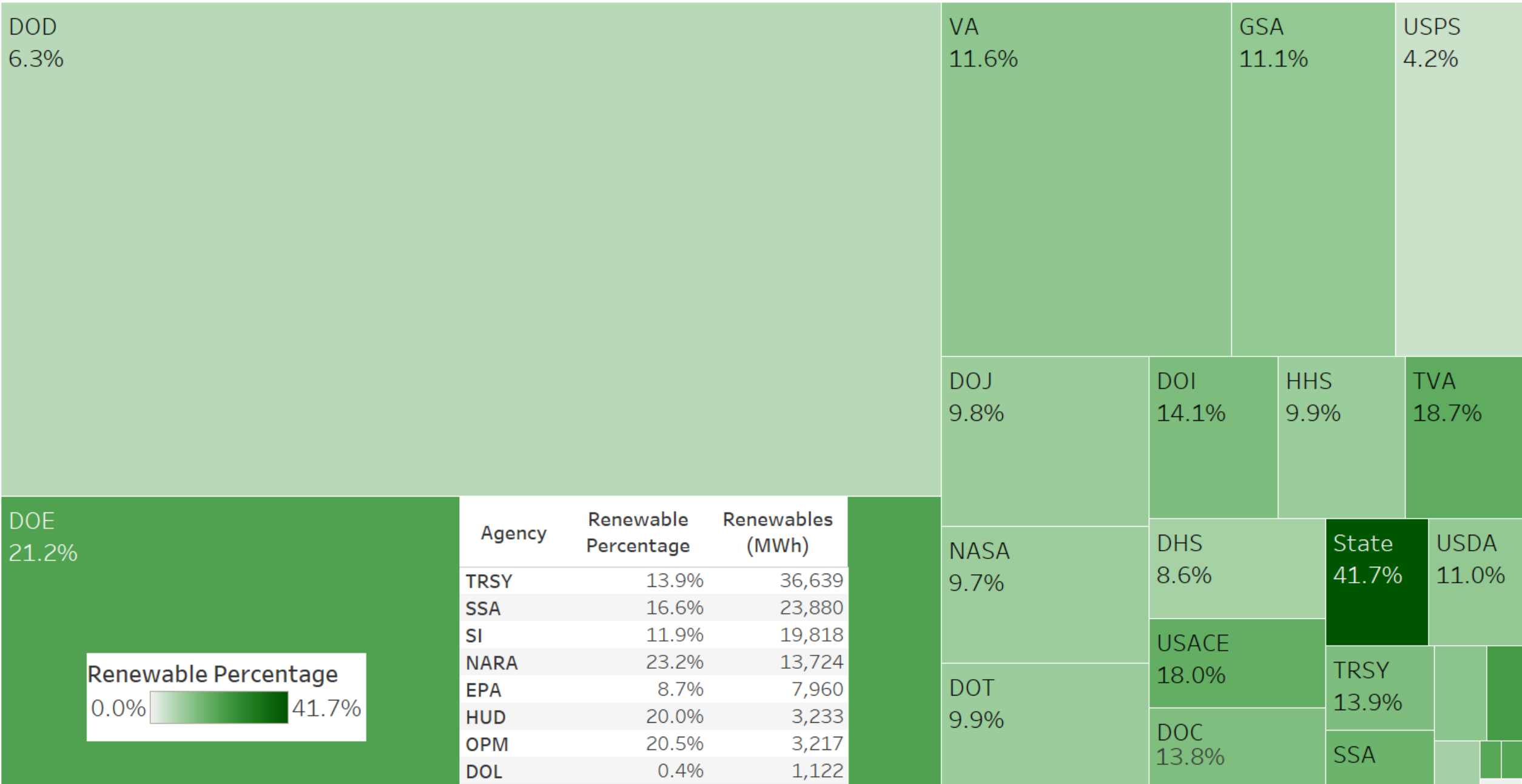
(as a Percentage of Facility Electricity Consumption)



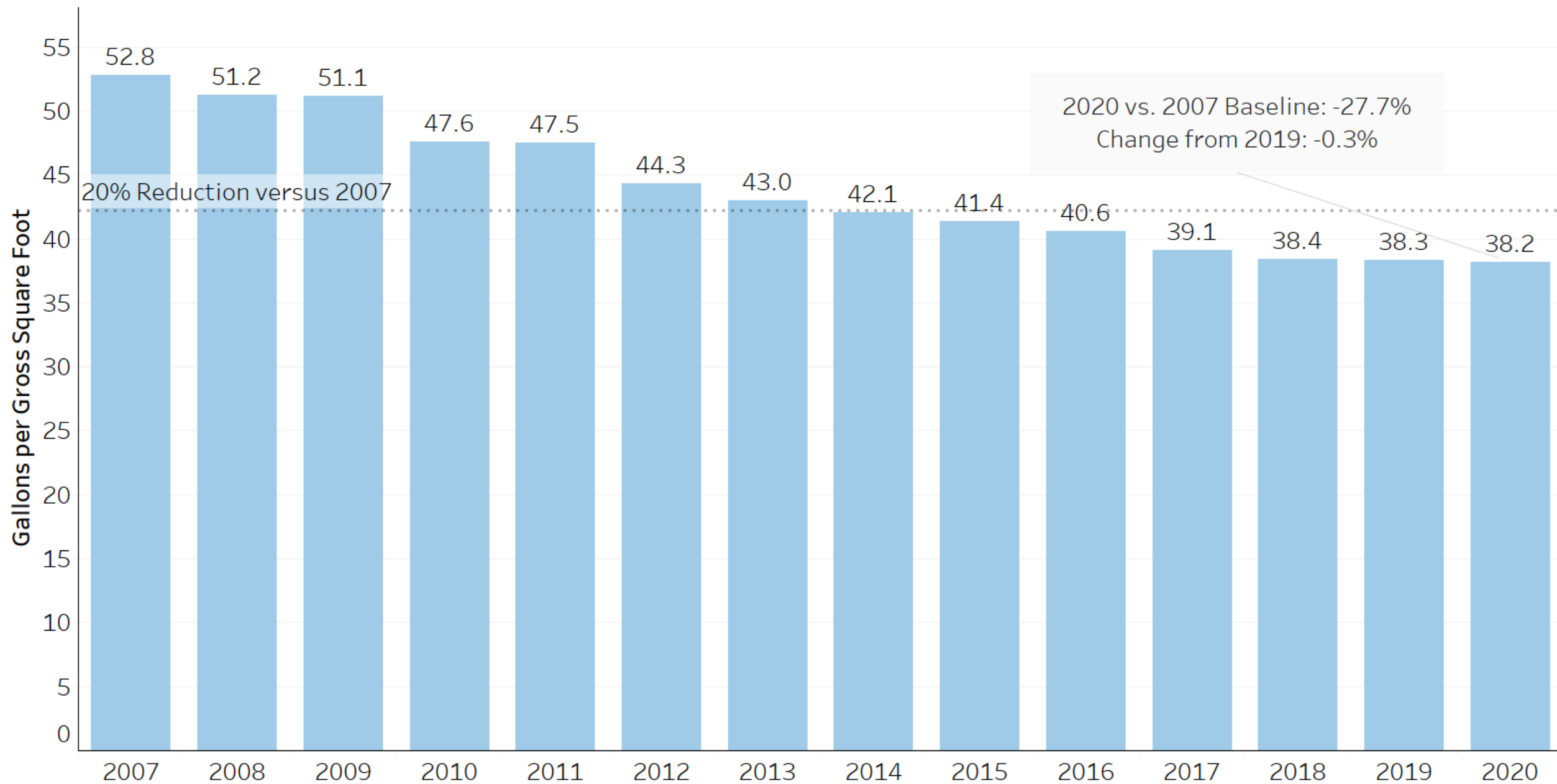
FY 2020 Renewable Electricity Use as a Percentage of Electricity Consumption



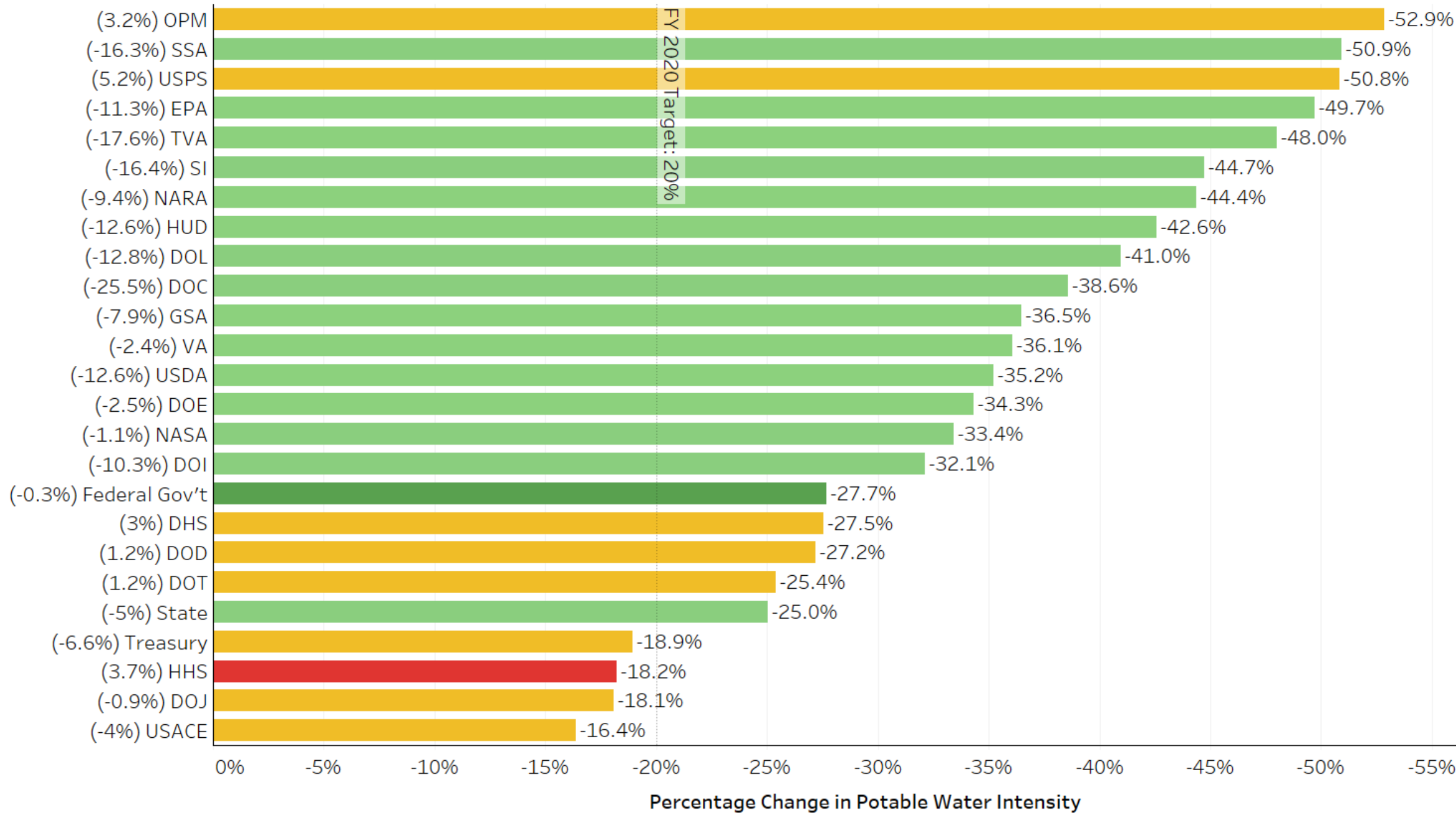
FY 2020 Renewable Electricity Use and Percentage of Electricity Consumption: 4.7 Million MWh



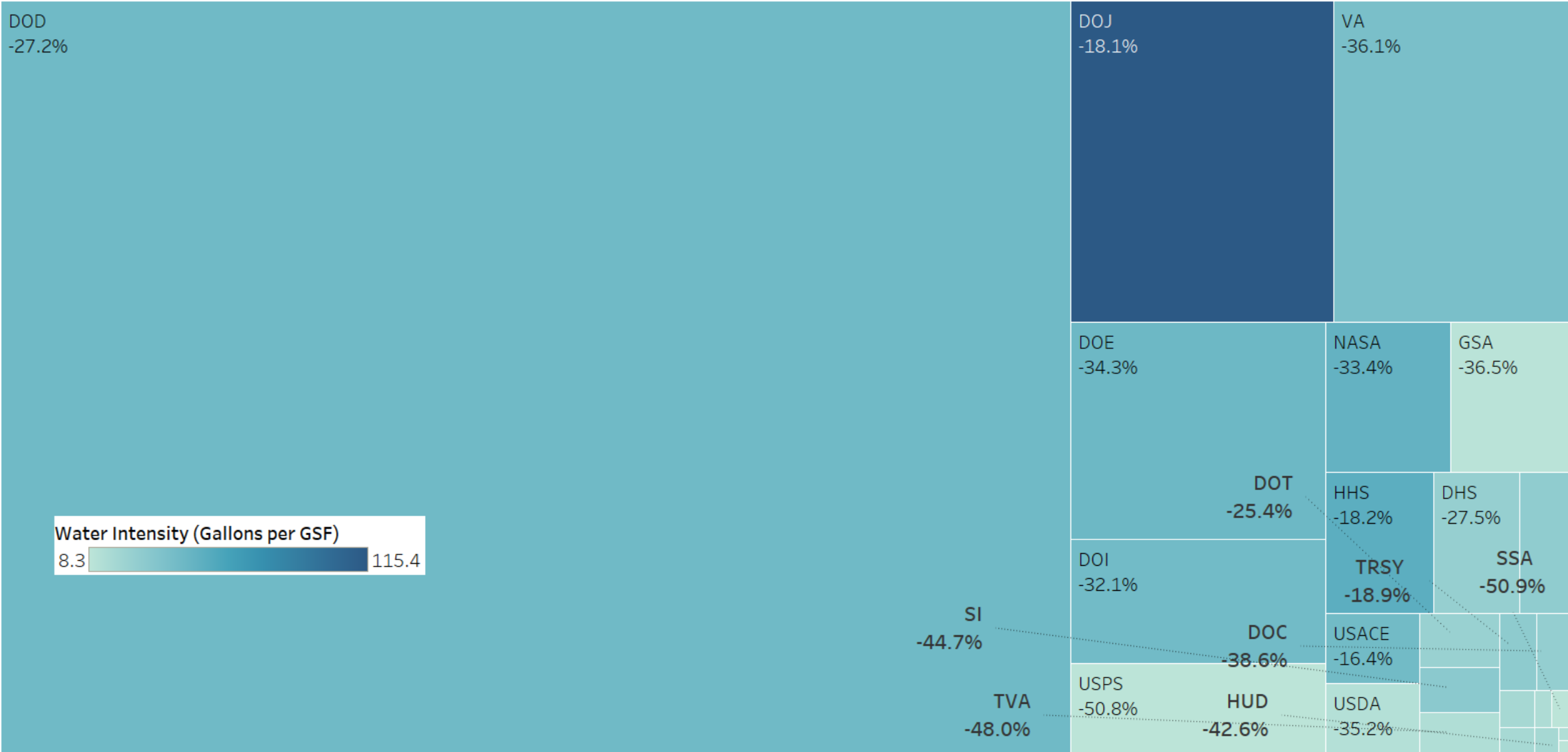
Federal Government Potable Water Intensity (Gallons per Gross Square Foot)



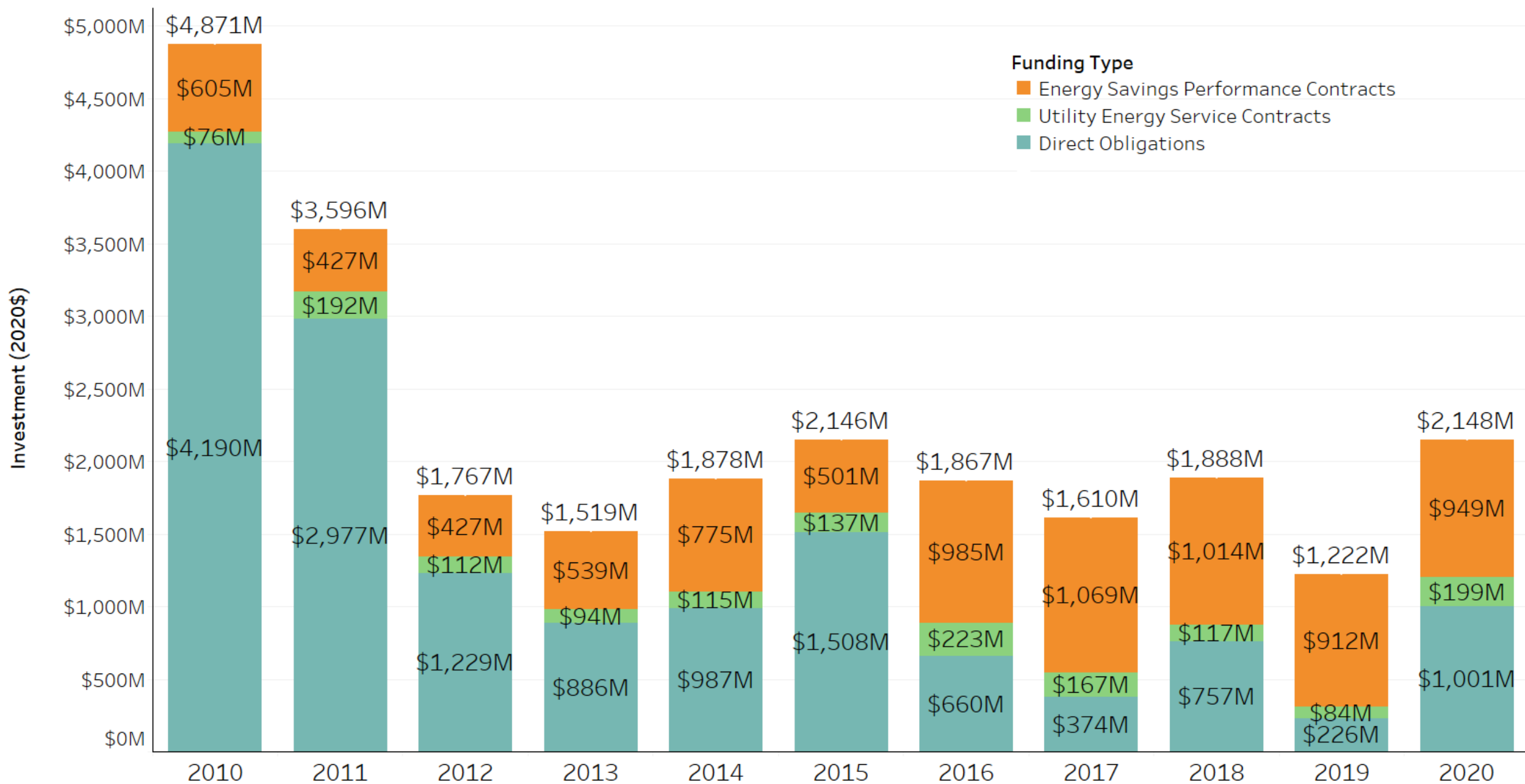
Federal Agency Progress in Potable Water Intensity FY 2007 to FY 2020



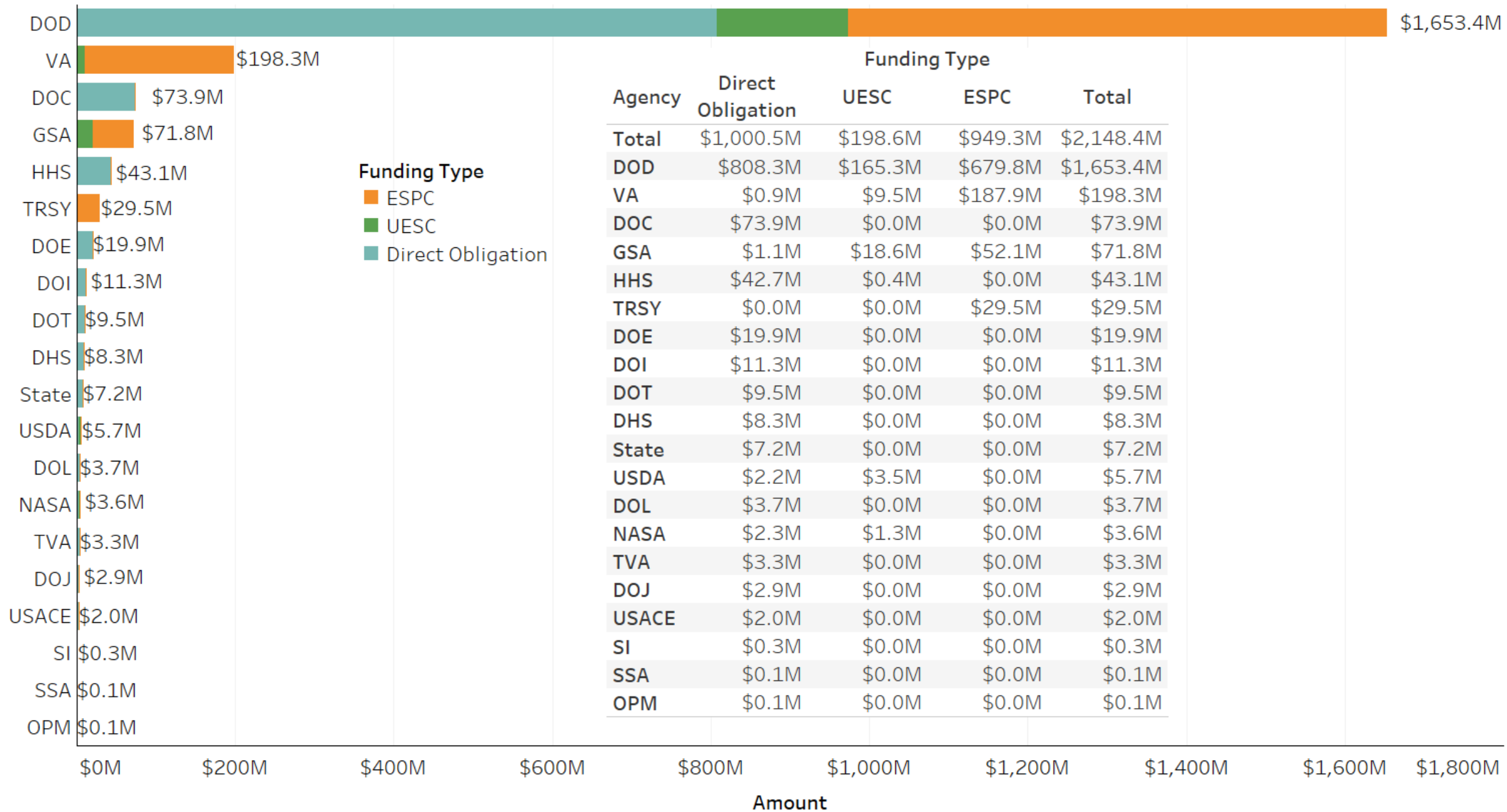
2020 Potable Water Use: 120 Billion Gallons Used, with Intensity and Reduction Percentage versus 2007



Federal Government Investment in Facility Efficiency Improvements

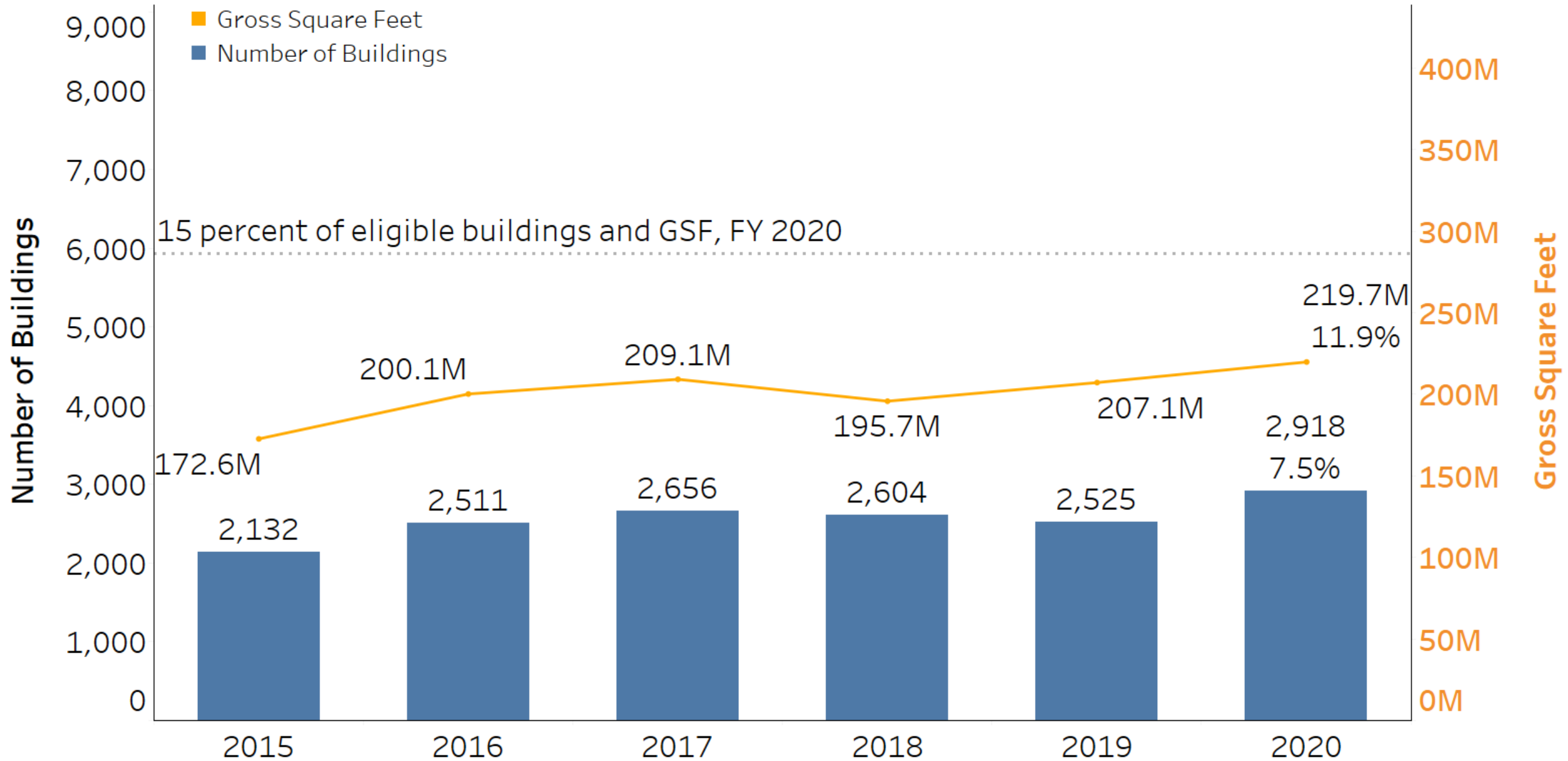


FY 2020 Federal Agency Investment in Energy Efficiency and Renewable Energy

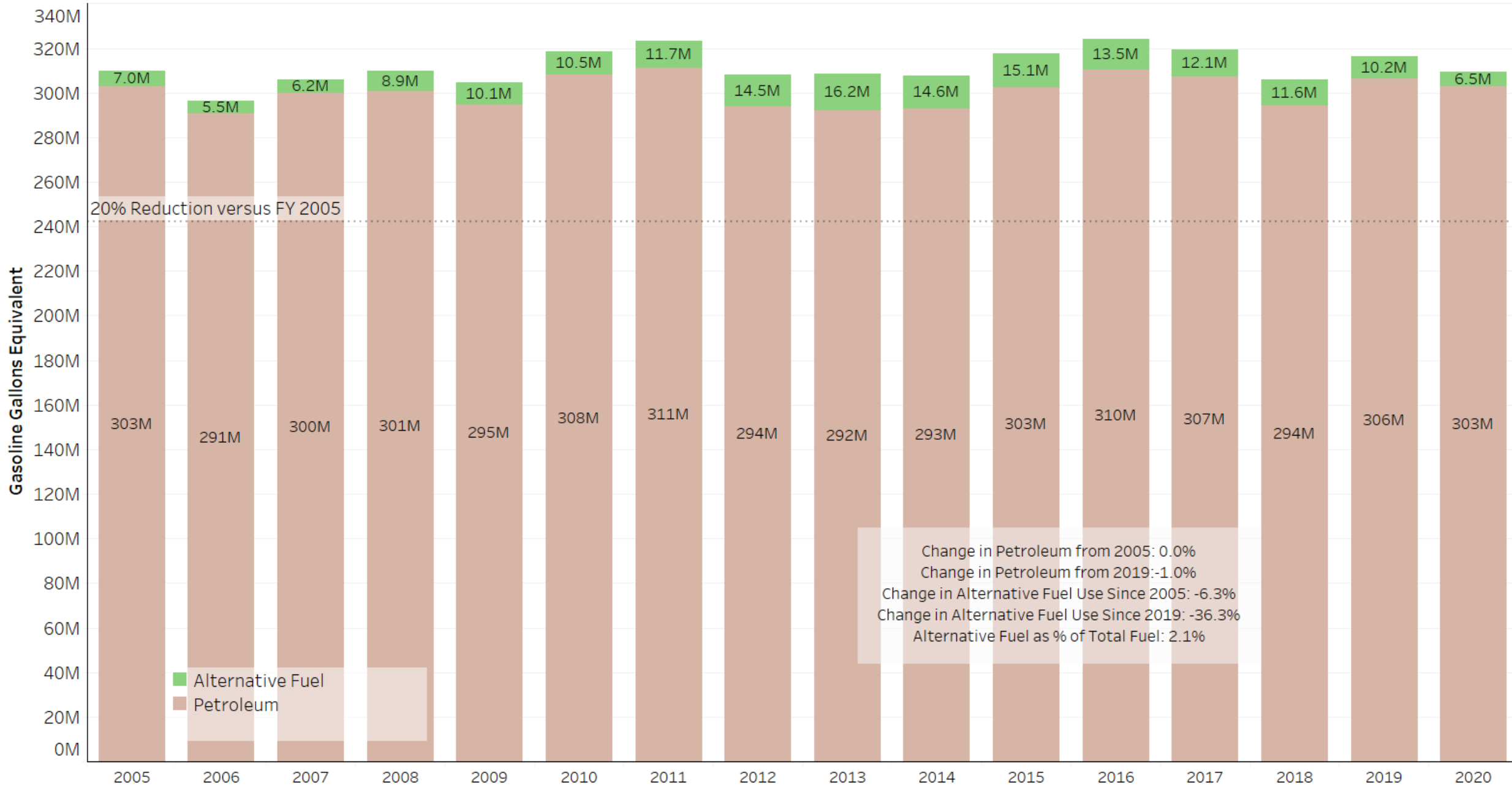


Federal Government High Performance Sustainable Buildings, 2015-2020

(Number of Buildings and Gross Square Feet)



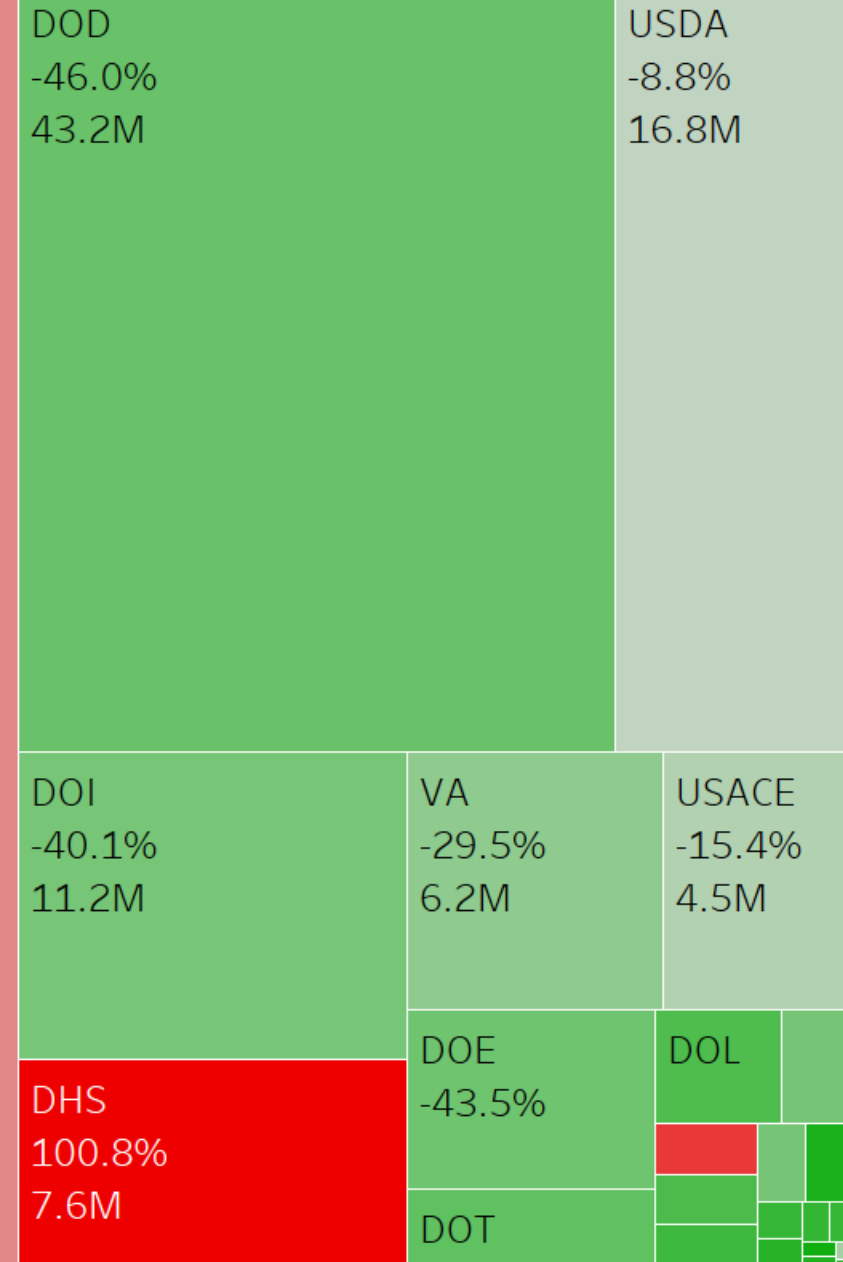
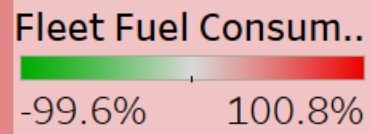
Federal Government Fleet Petroleum and Alternative Fuel Use



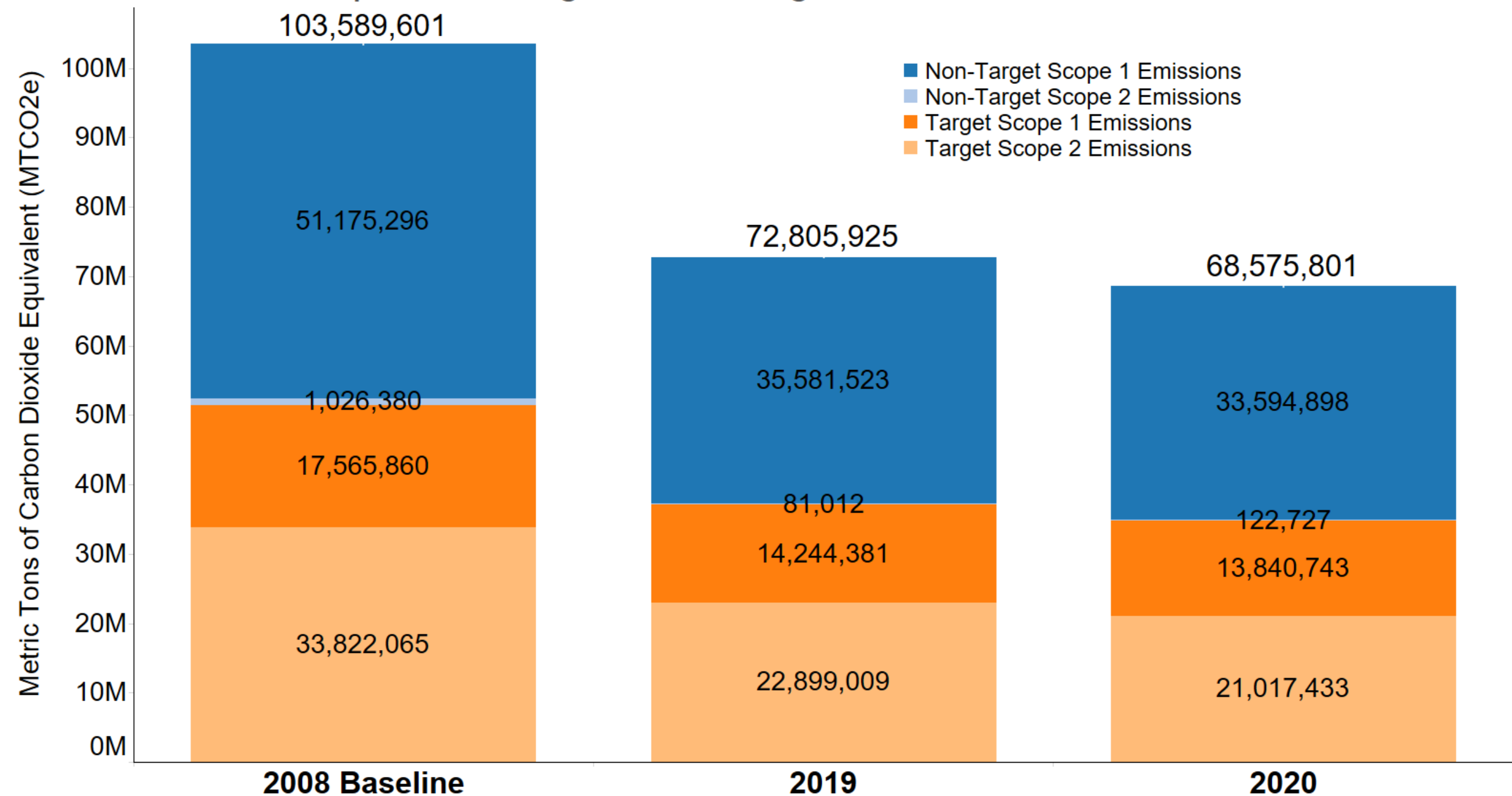
2020 Fleet Fuel Use: 303 Million Gallons (GGE) with Percentage Change versus 2005

USPS
40.8%
203.2M

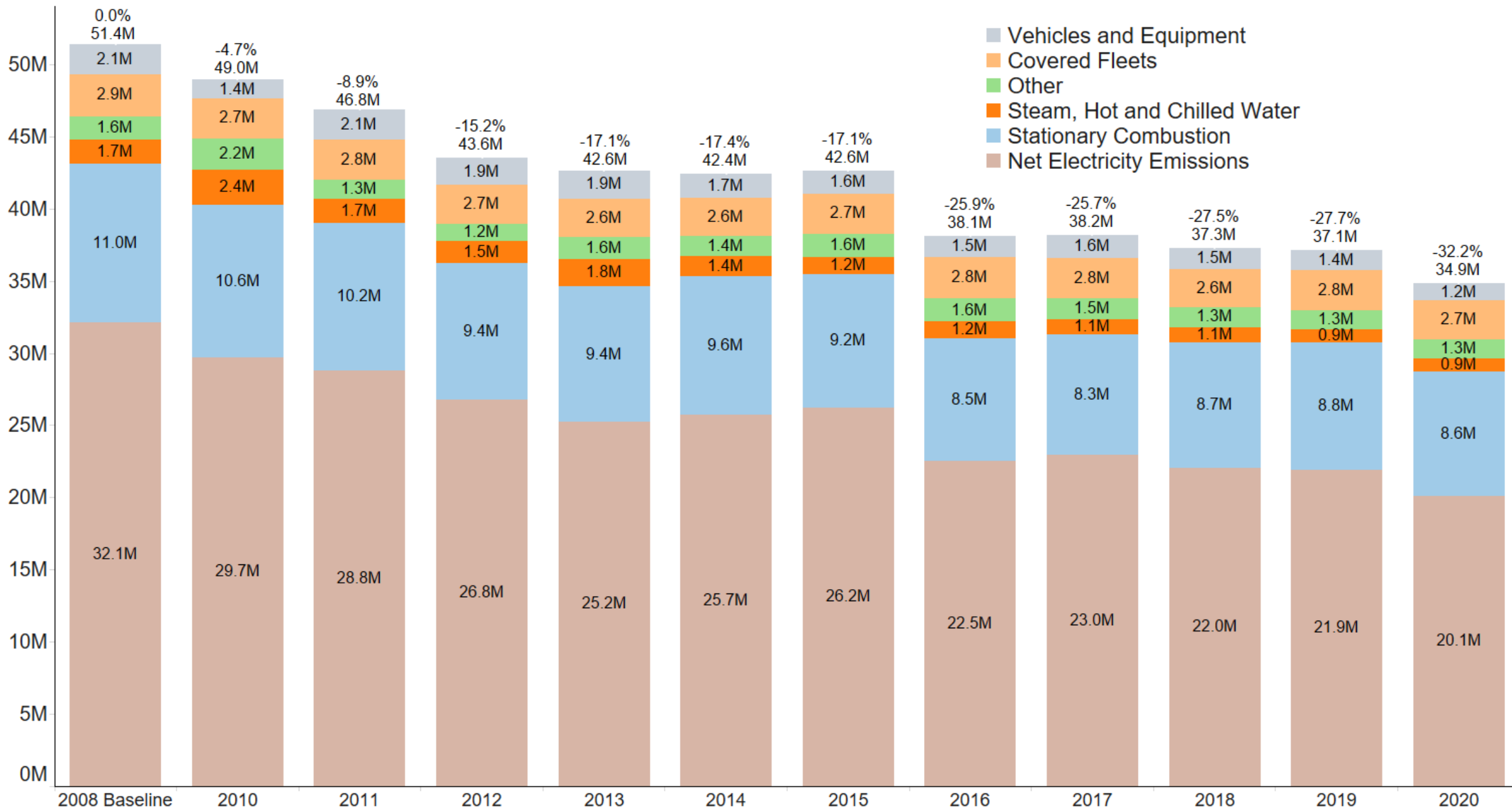
Other Agency Consumption and Percentage Change		
Agency	Fleet Consumption (GGE)	Percentage Change vs. 2005
TVA	702,991	-40.3%
DOC	477,340	-60.6%
NASA	416,622	-67.4%
DOJ	356,481	-40.6%
HHS	299,356	-85.4%
State	201,530	-27.8%
EPA	154,154	-70.0%
GSA	123,121	-78.5%
SSA	103,518	-72.4%
SI	68,206	-71.4%
TRSY	47,155	-90.3%
HUD	33,542	-83.0%
Education	20,593	-20.5%
NARA	6,634	-77.7%
OPM	1,707	-99.6%



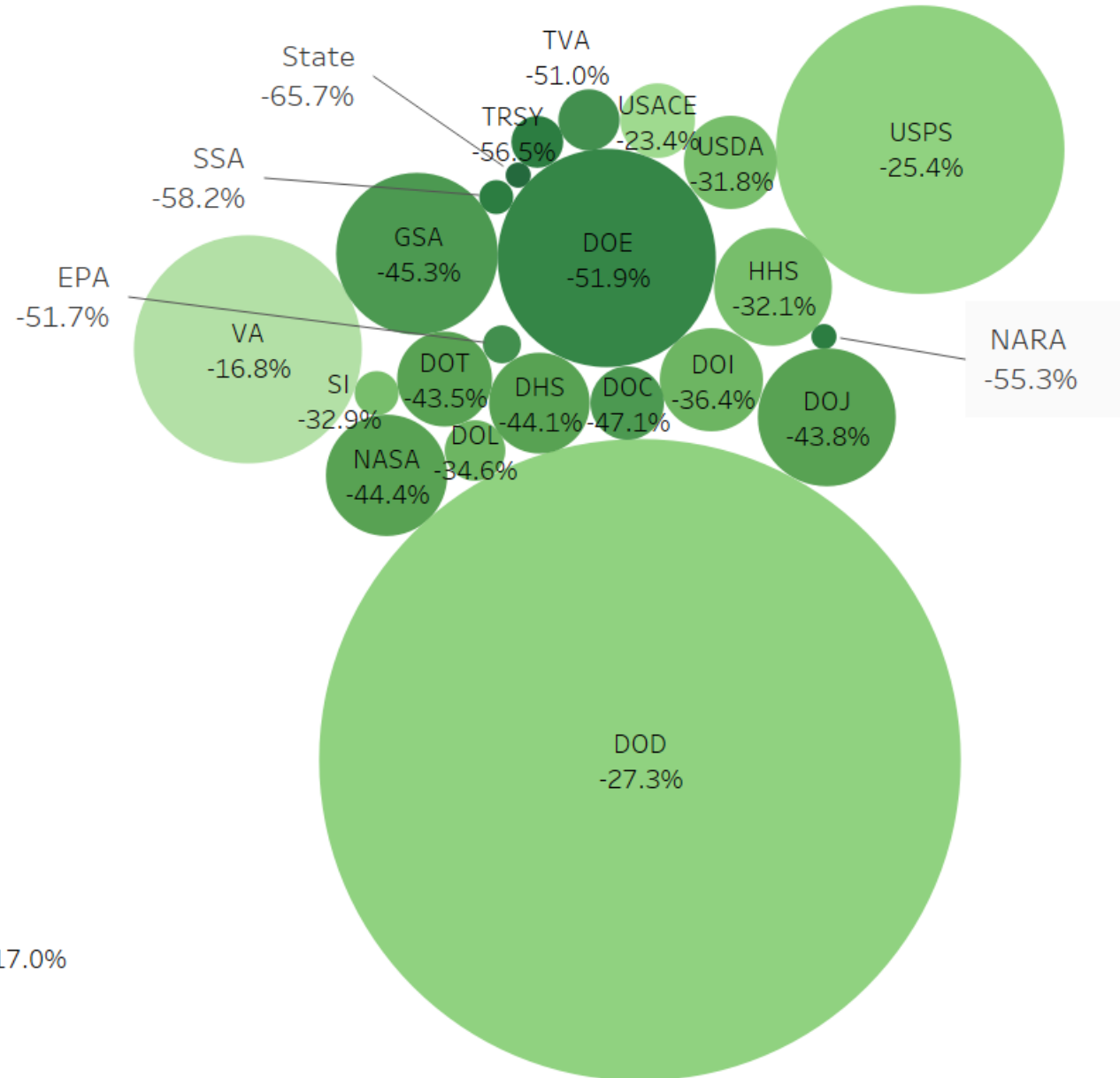
Scope 1 and 2 Target and Non-Target Greenhouse Gas Emissions



Federal Government Scope 1 and 2 Target Greenhouse Gas Emissions




2020 Target Greenhouse Gas Emissions: 34.9 Million Metric Tons of Carbon Dioxide Equivalent (MTCO₂e) with Reduction Percentage versus 2008



Less than
7,000 MTCO₂e

Education	-16.6%
HUD	-68.5%
OPM	-74.0%

GHG Reduction
-65.7%  -17.0%