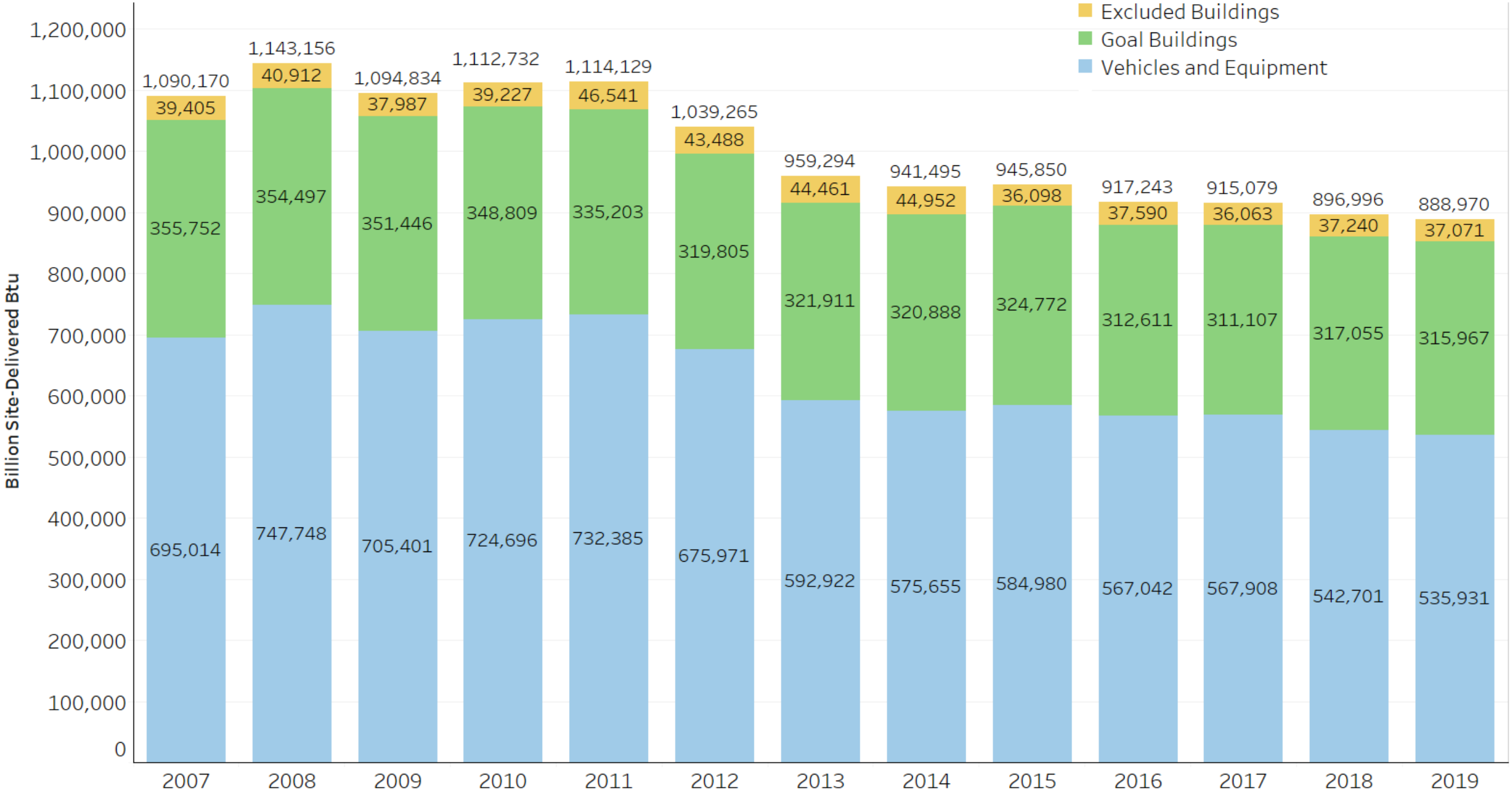
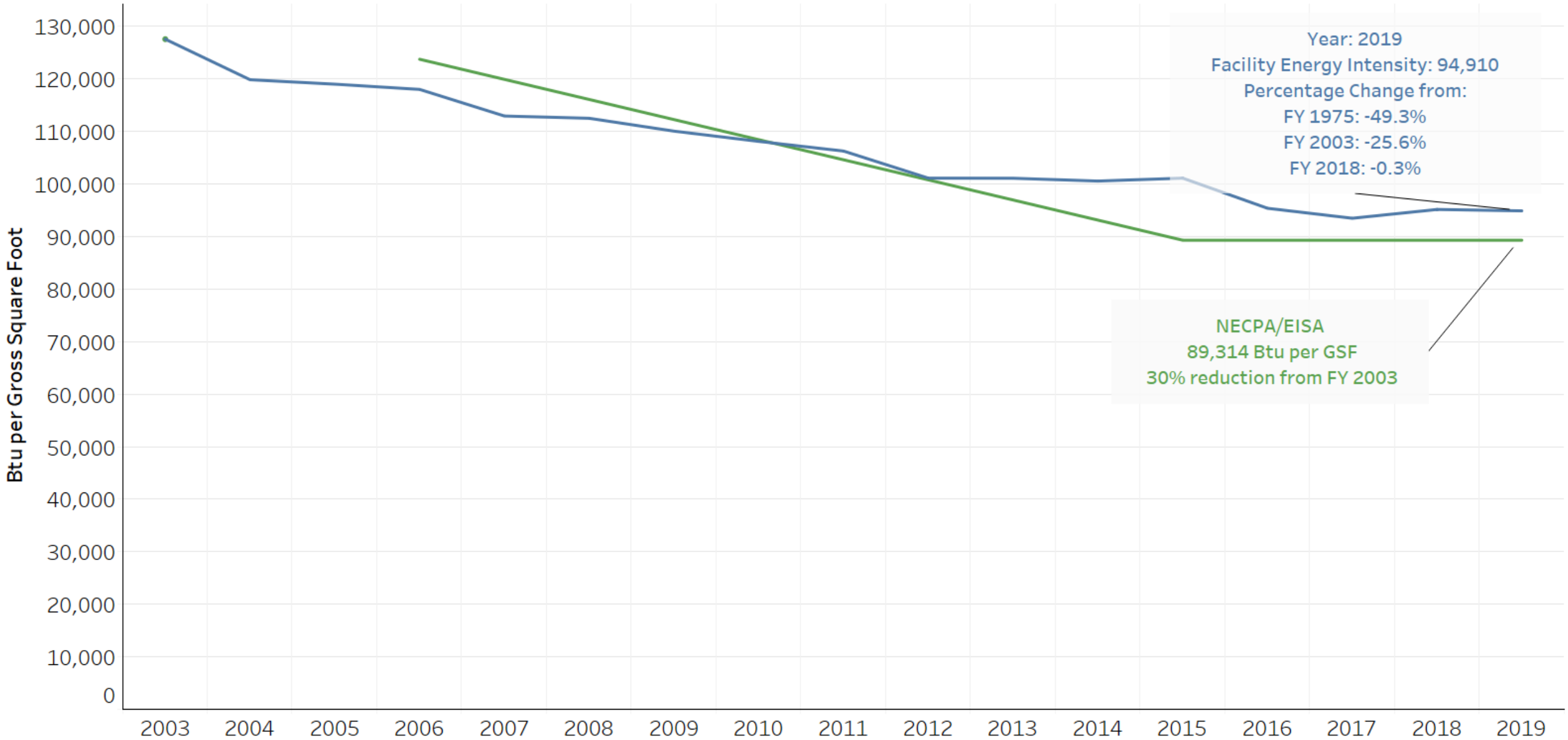
FY 2019 Government-wide Performance Findings

- Facility energy intensity (Btu/Gross Square Foot) reductions
  - 25.6% reduction vs. 2003 – goal is 30%
  - 0.3% decrease vs. 2018
- Renewable electricity goal of 7.5% was exceeded (8.6% of electricity use)
- Potable water intensity reduction: 27.5% reduction vs. 2007, 0.4% reduction vs. 2018
- Efficiency investment in Federal facilities ($1.2B total in FY 2018) decreased 34% from 2018
  - Direct funding investment: $224 million in FY 2019
  - ESPC investment: $901 million
  - UESC Investment: $83 million
- Scope 1&2 greenhouse gas emissions from standard operations declined by 27.9% vs. 2008, compared to a 27.5% reduction in 2018

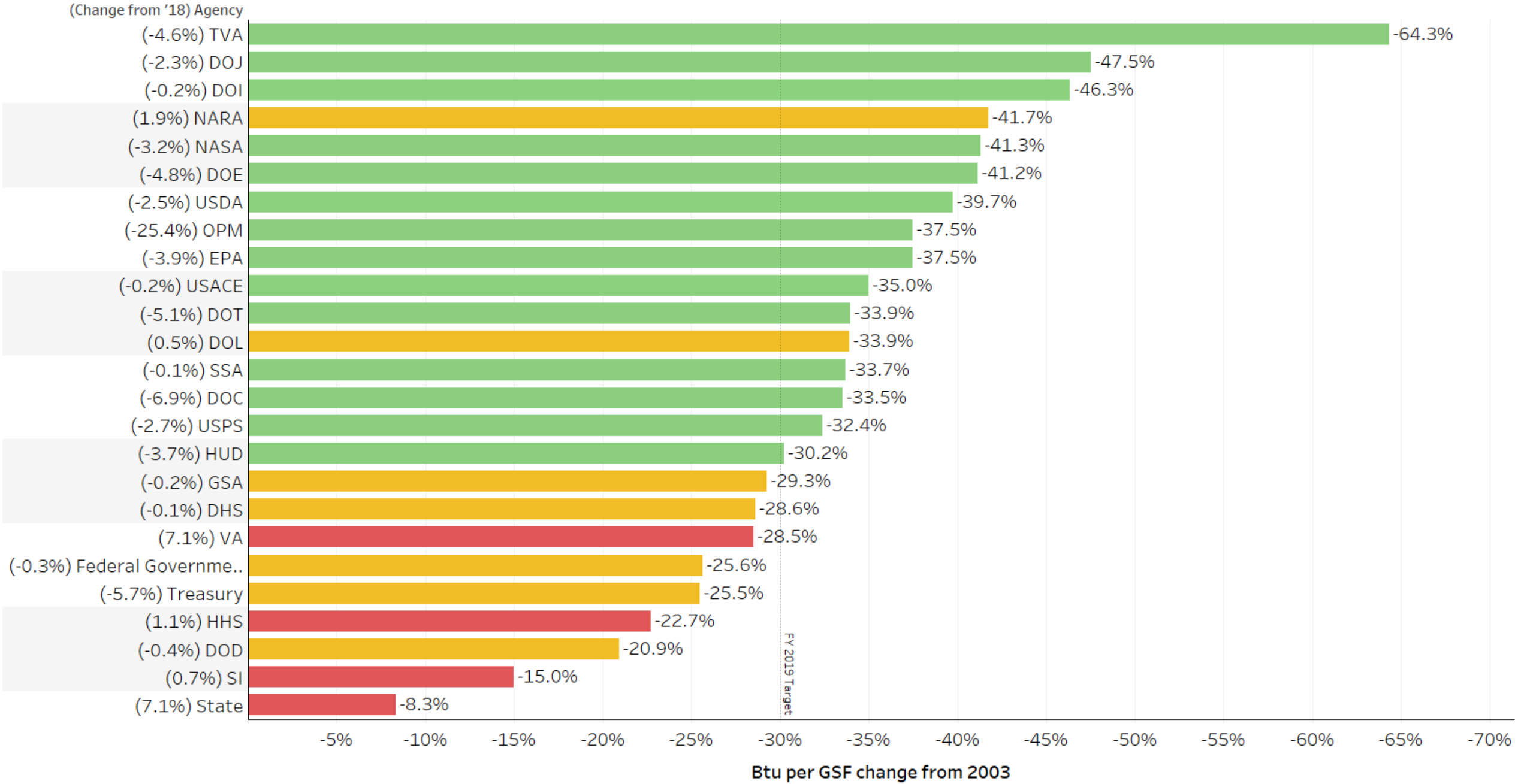
Federal Government Energy Use by Sector (FY 2007 - FY 2019)



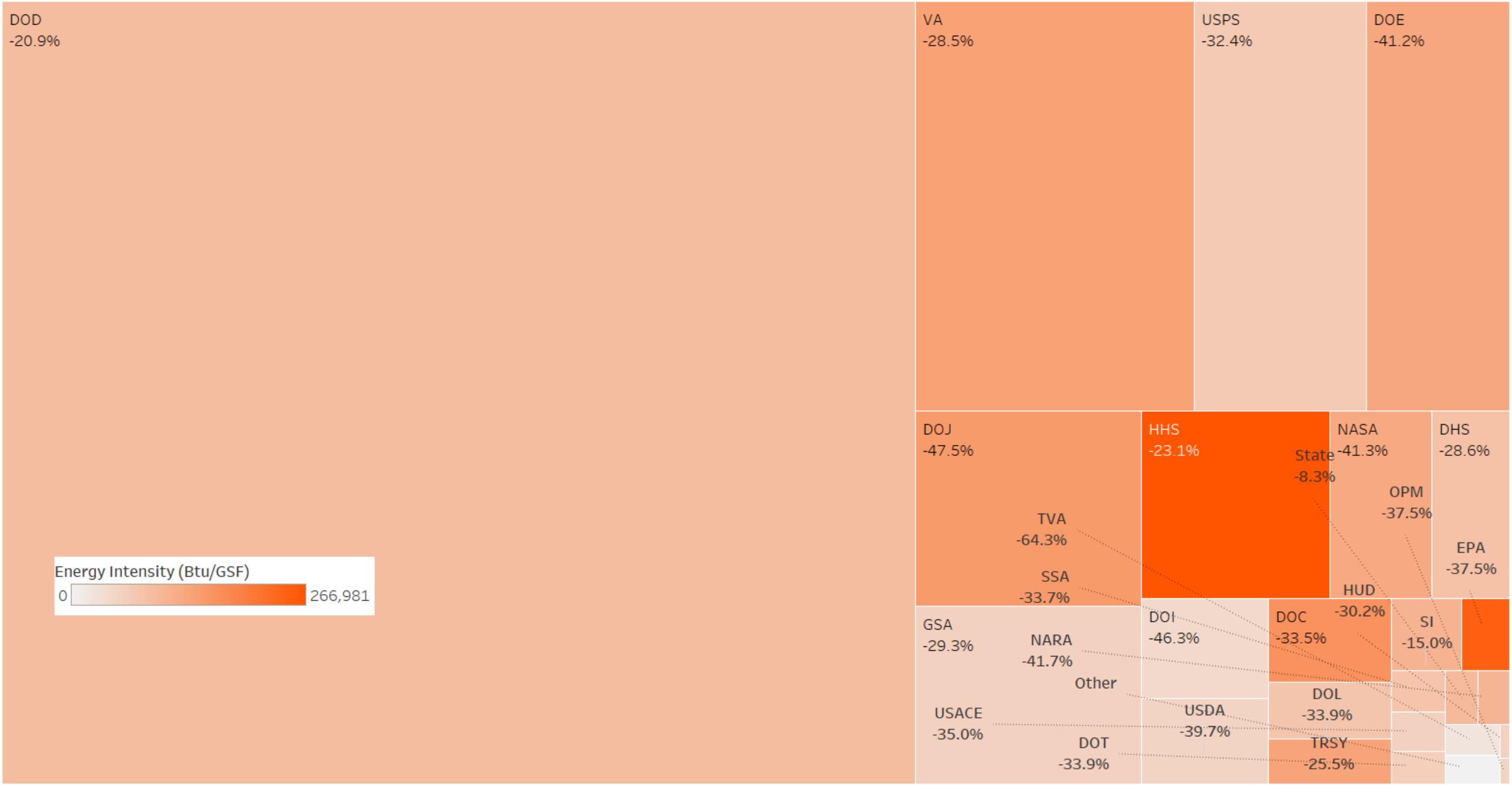
Federal Government Progress Toward Facility Energy Efficiency Goals
FY 2003 - FY 2019



Federal Agency Progress in Facility Energy Use Intensity Reduction, FY 2003 to FY 2019

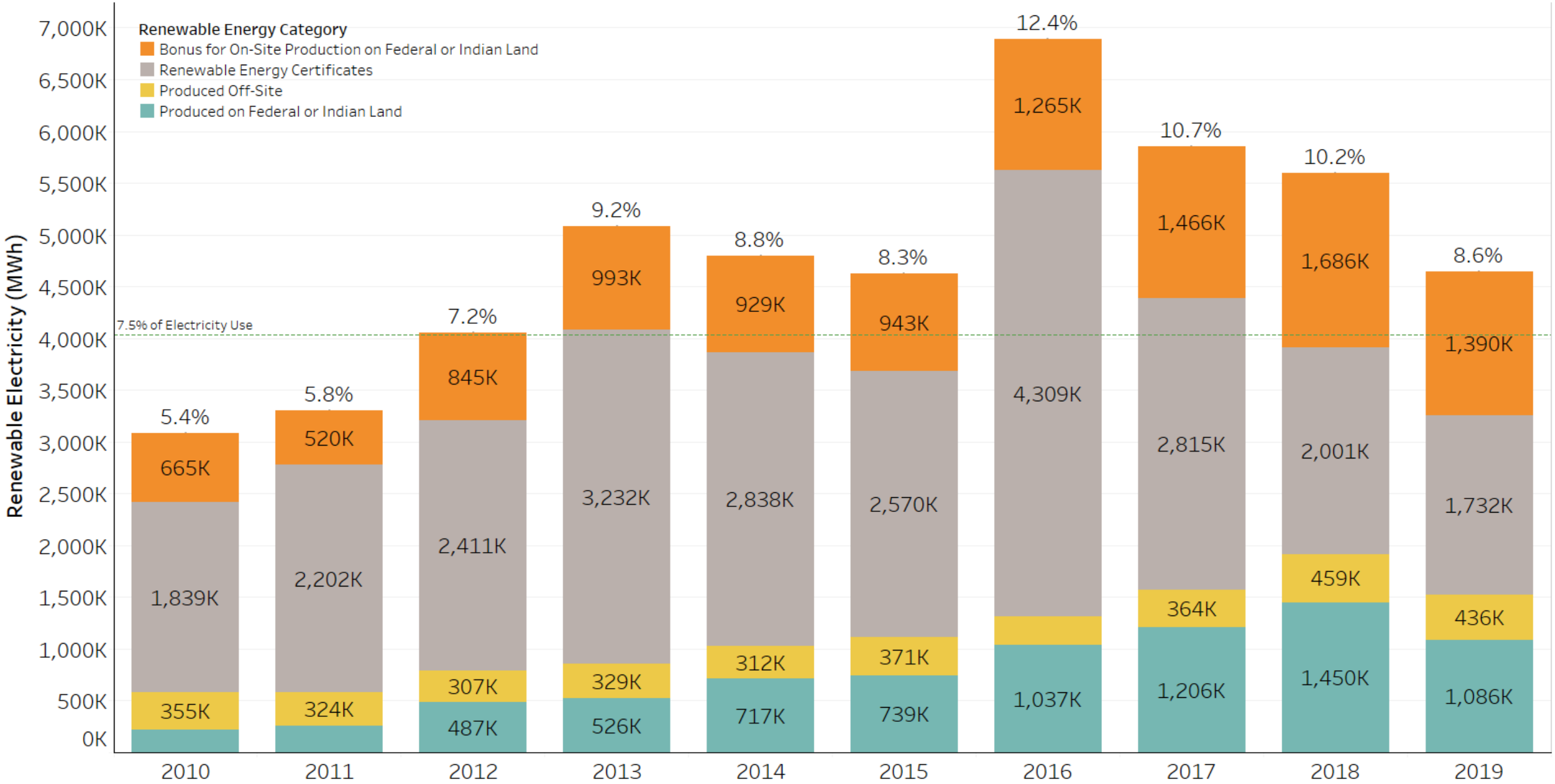


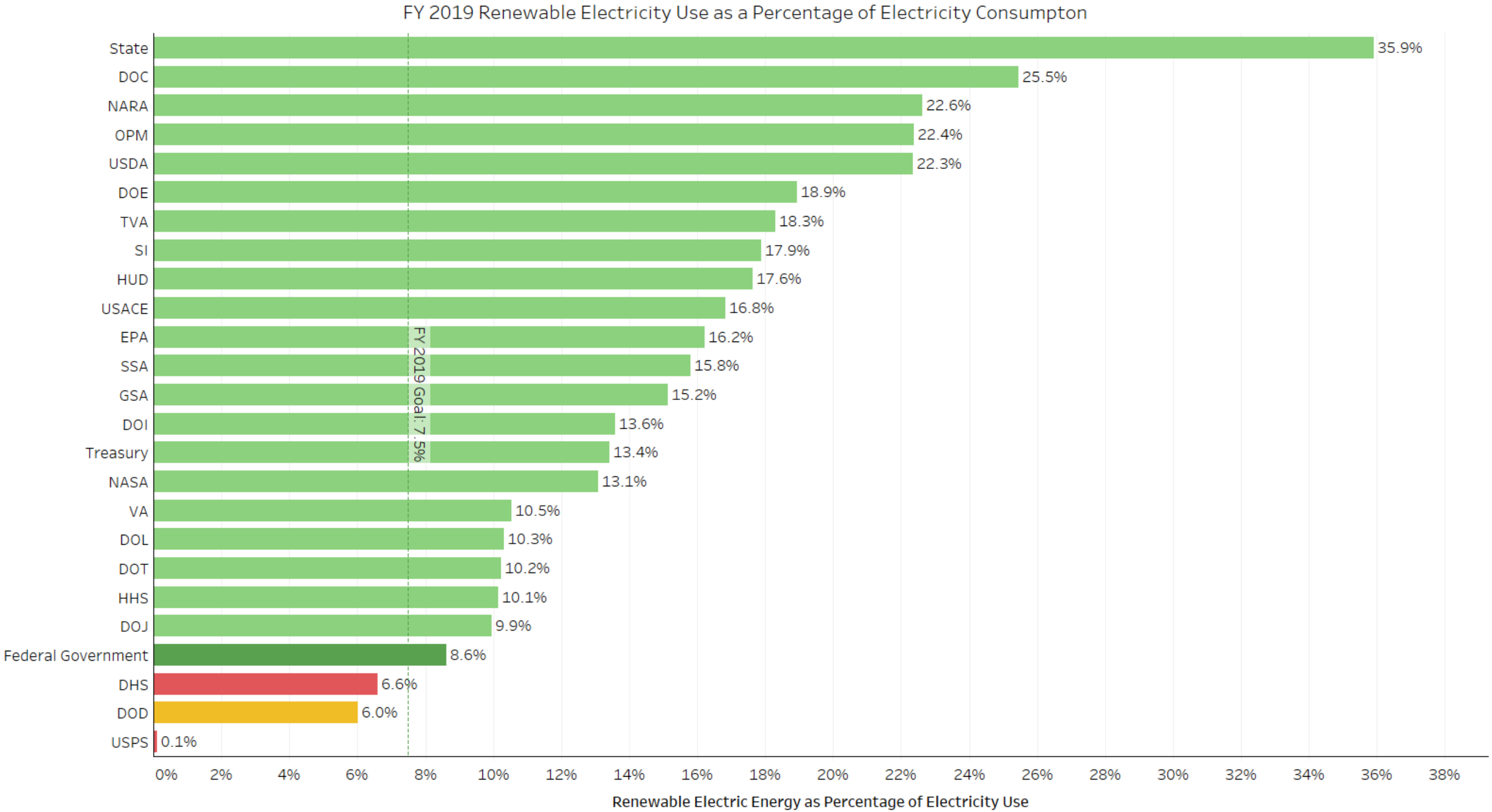
2019 Goal Building Energy Use: 316 Trillion Btu, with Intensity and Reduction Progress versus 2003



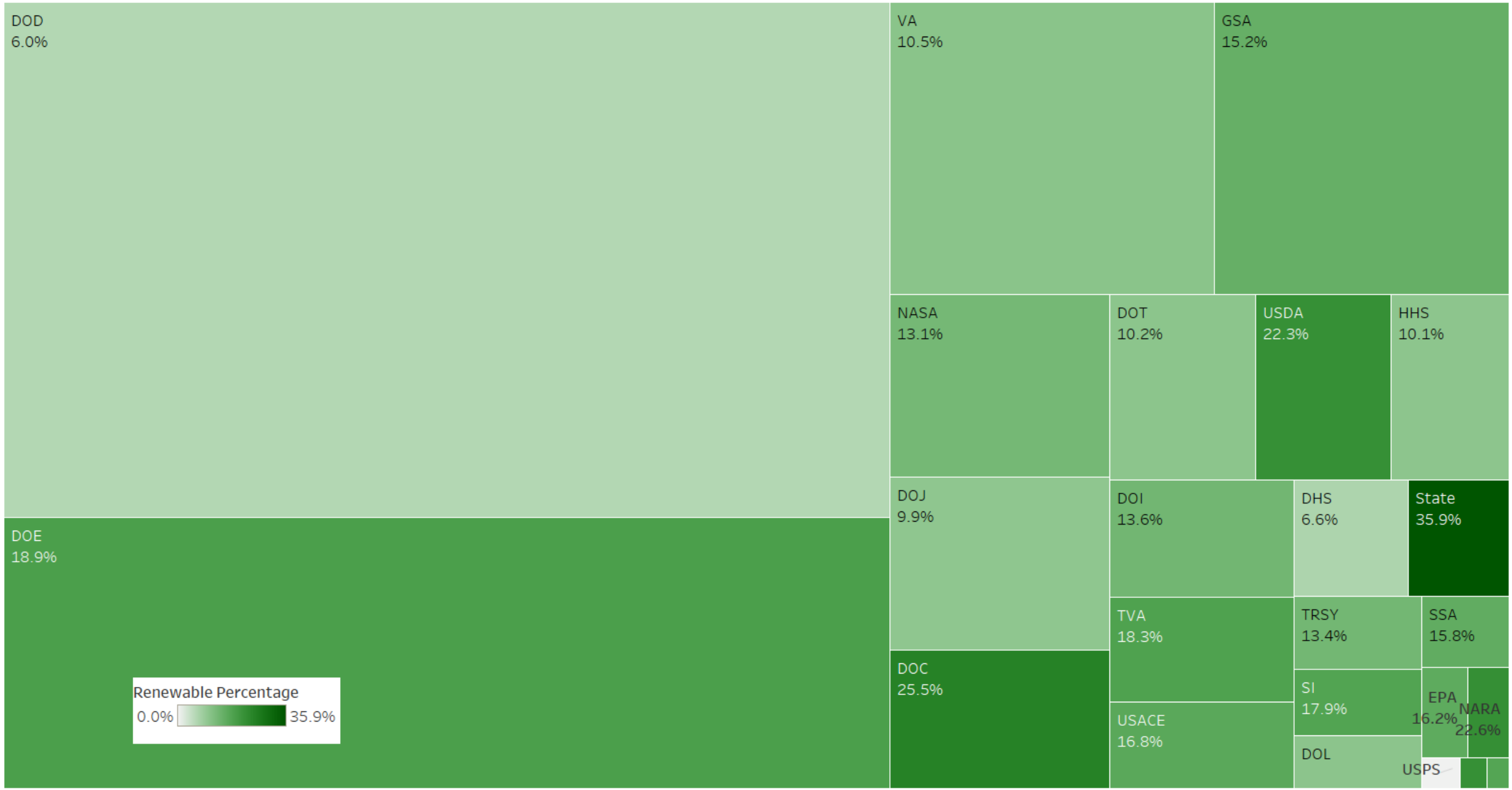
Federal Government Renewable Electricity Use

(as a Percentage of Facility Electricity Consumption)

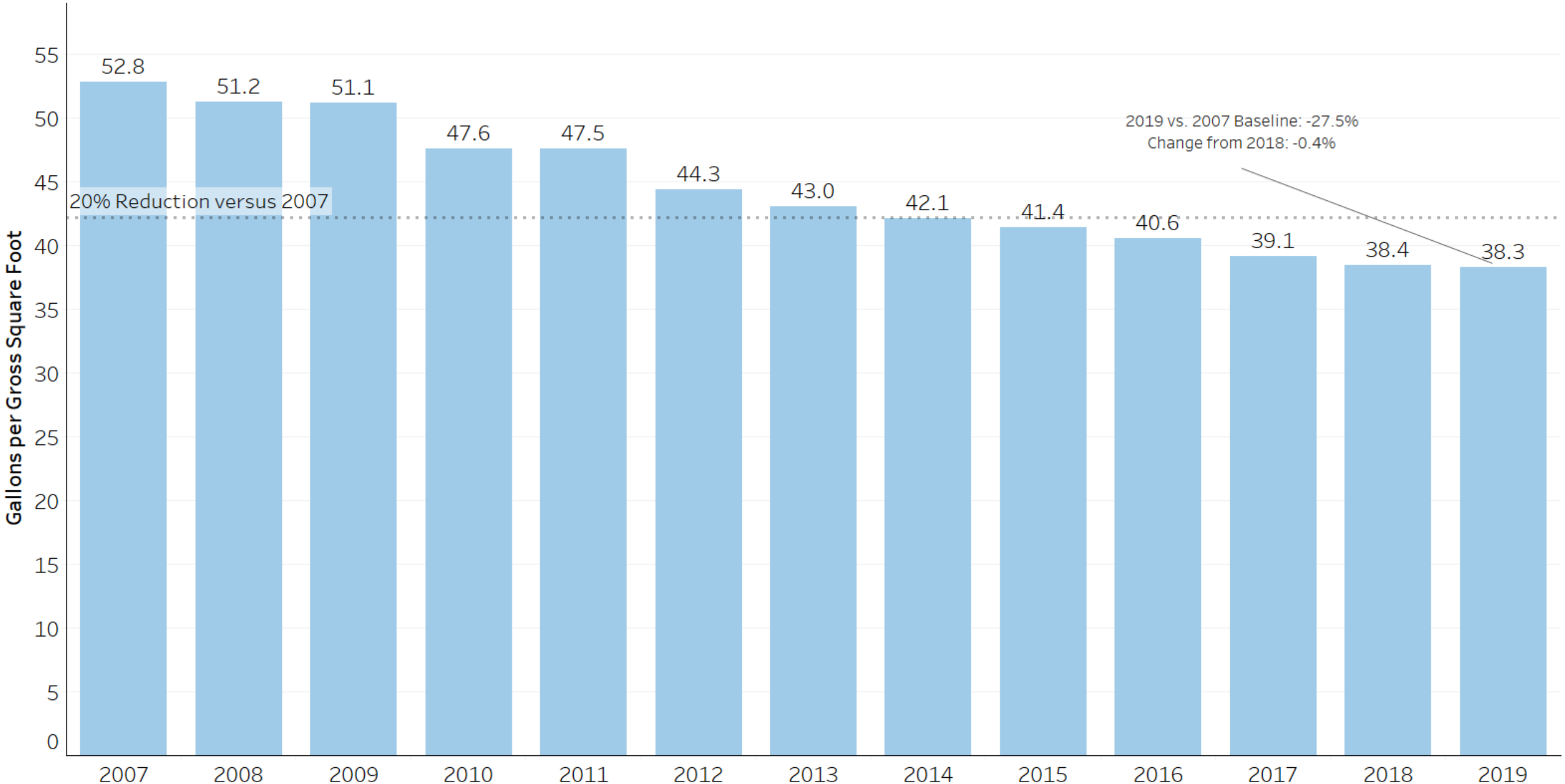


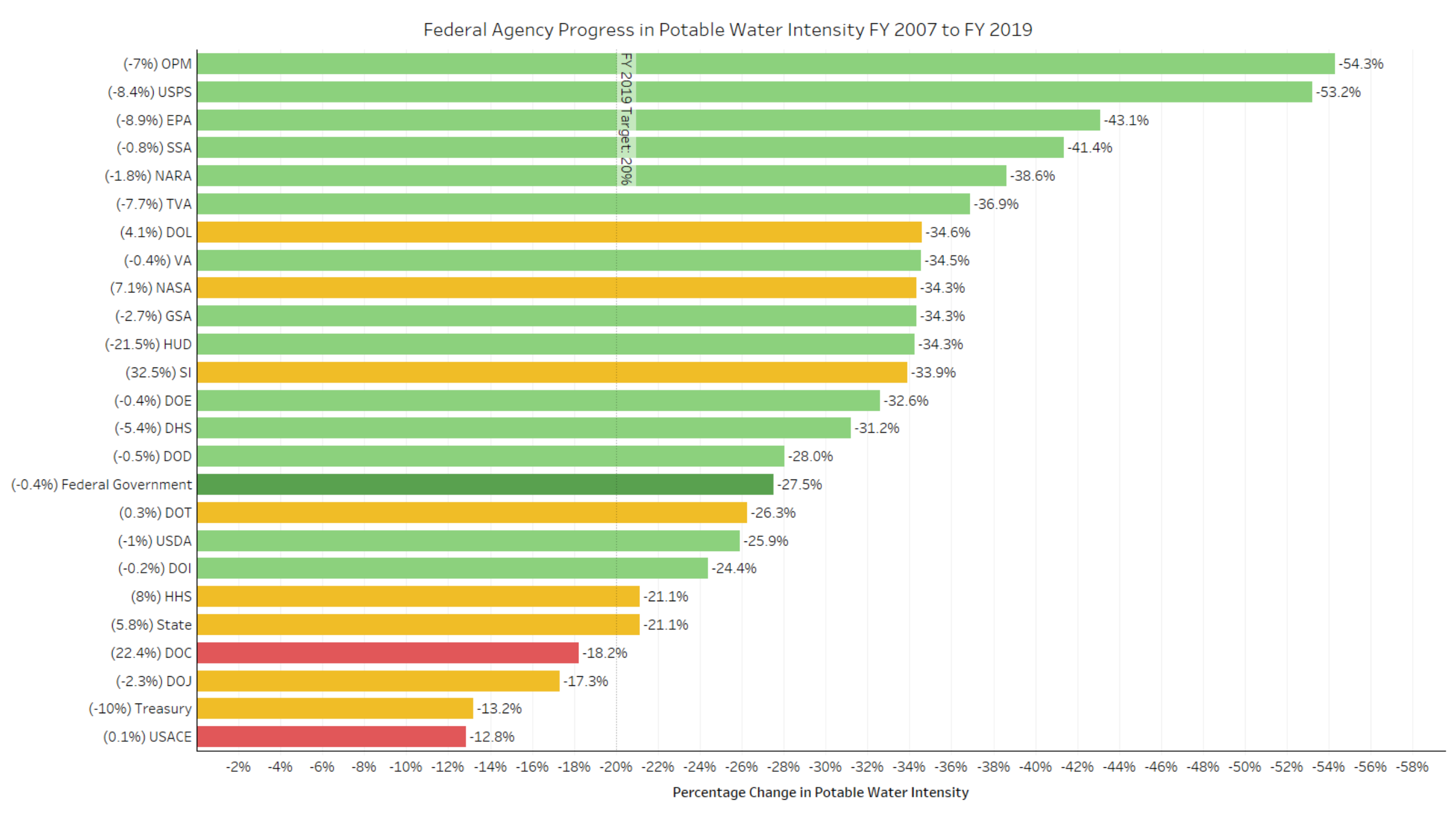

FY 2019 Renewable Electricity Use as a Percentage of Electricity Consumpton
State
DOC
NARA
OPM
USDA
DOE
TVA
SI
HUD
USACE
EPA
SSA
GSA
DOI
Treasury
NASA
VA
DOL
DOT
HHS
DOJ
Federal Government
DHS
DOD
USPS
35.9%
25.5%
22.6%
22.4%
22.3%
18.9%
18.3%
17.9%
17.6%
16.8%
16.2%
15.8%
15.2%
13.6%
13.4%
13.1%
10.5%
10.3%
10.2%
10.1%
9.9%
8.6%
6.6%
6.0%
0.1%
FY 2019 Goal: 7.5%
0%
2%
4%
6%
8%
10%
12%
14%
16%
18%
20%
22%
24%
26%
28%
30%
32%
34%
36%
38%
Renewable Electric Energy as Percentage of Electricity Use

FY 2019 Renewable Electricity Use and Percentage of Electricity Consumption: 4.6 Million MWh

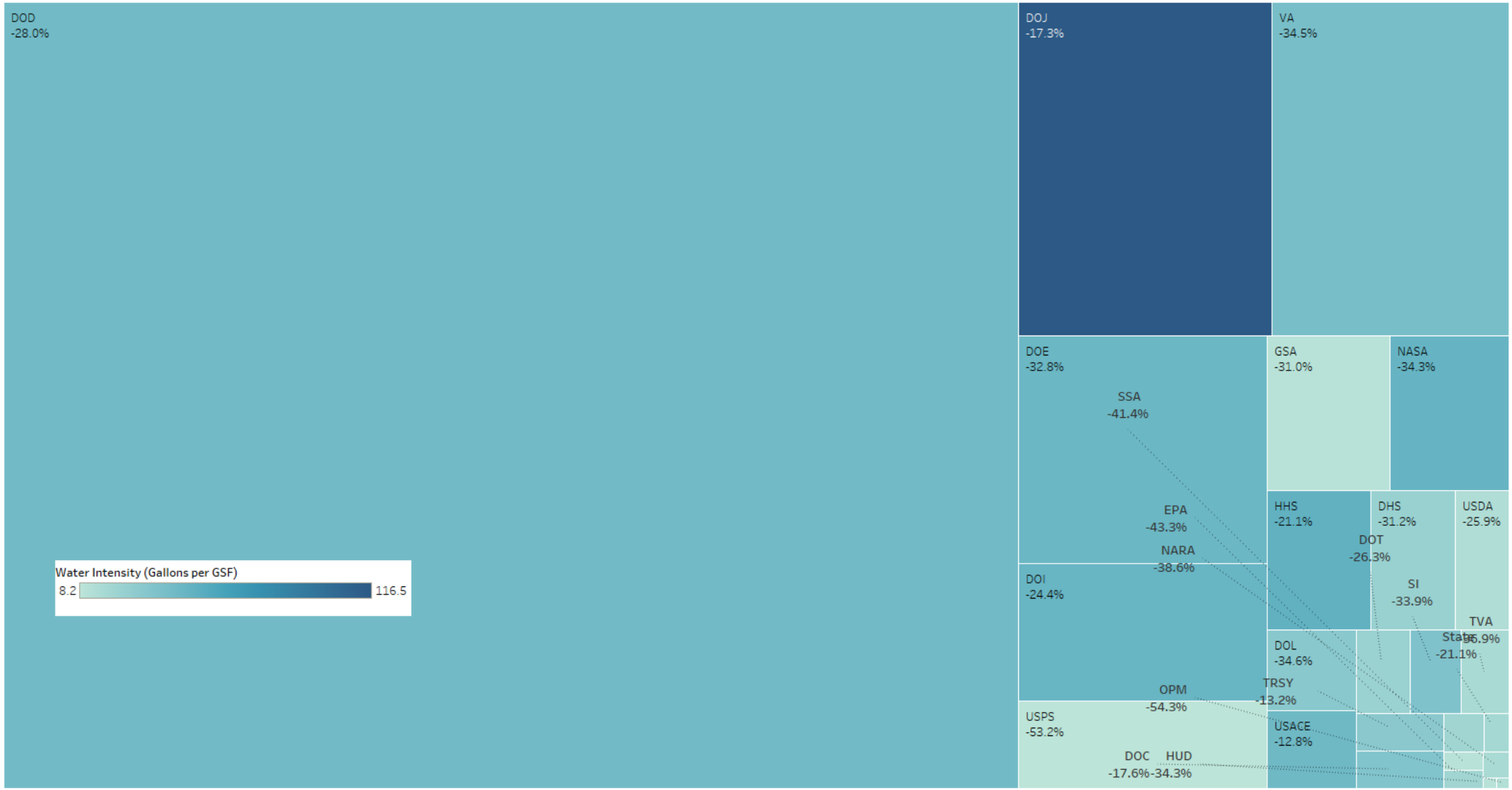


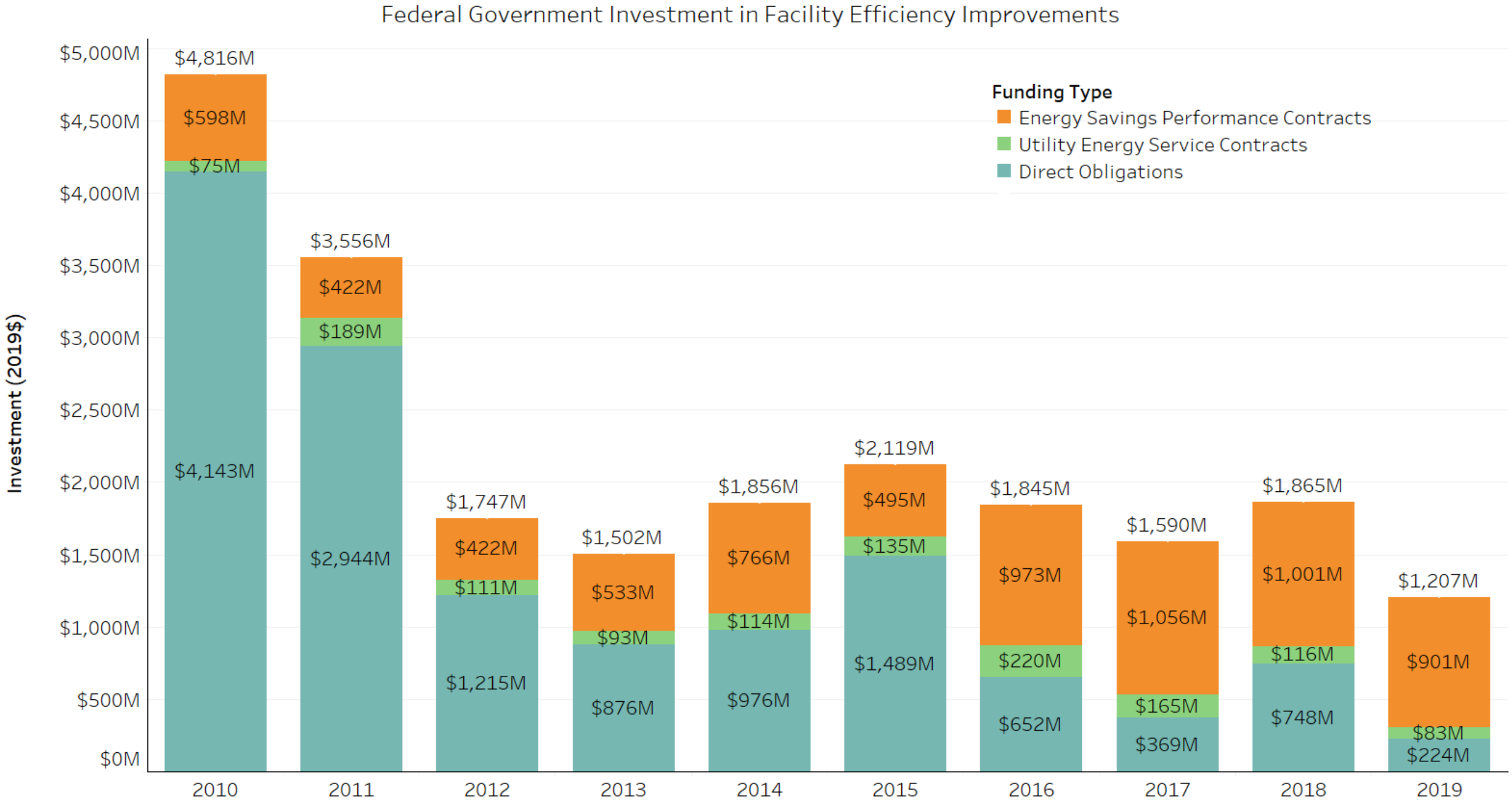
Federal Government Potable Water Intensity
(Gallons per Gross Square Foot)




Federal Agency Progress in Potable Water Intensity FY 2007 to FY 2019
(-7%) OPM
(-8.4%) USPS
(-8.9%) EPA
(-0.8%) SSA
(-1.8%) NARA
(-7.7%) TVA
(4.1%) DOL
(-0.4%) VA
(7.1%) NASA
(-2.7%) GSA
(-21.5%) HUD
(32.5%) SI
(-0.4%) DOE
(-5.4%) DHS
(-0.5%) DOD
(-0.4%) Federal Government
(0.3%) DOT
(-1%) USDA
(-0.2%) DOI
(8%) HHS
(5.8%) State
(22.4%) DOC
(-2.3%) DOJ
(-10%) Treasury
(0.1%) USACE
FY 2019 Target: 20%
-54.3%
-53.2%
-43.1%
-41.4%
-38.6%
-36.9%
-34.6%
-34.5%
-34.3%
-34.3%
-34.3%
-33.9%
-32.6%
-31.2%
-28.0%
-27.5%
-26.3%
-25.9%
-24.4%
-21.1%
-21.1%
-18.2%
-17.3%
-13.2%
-12.8%
-2% -4% -6% -8% -10% -12% -14% -16% -18% -20% -22% -24% -26% -28% -30% -32% -34% -36% -38% -40% -42% -44% -46% -48% -50% -52% -54% -56% -58%
Percentage Change in Potable Water Intensity

2019 Potable Water Use: 122 Billion Gallons Used, with Intensity and Reduction Percentage versus 2007

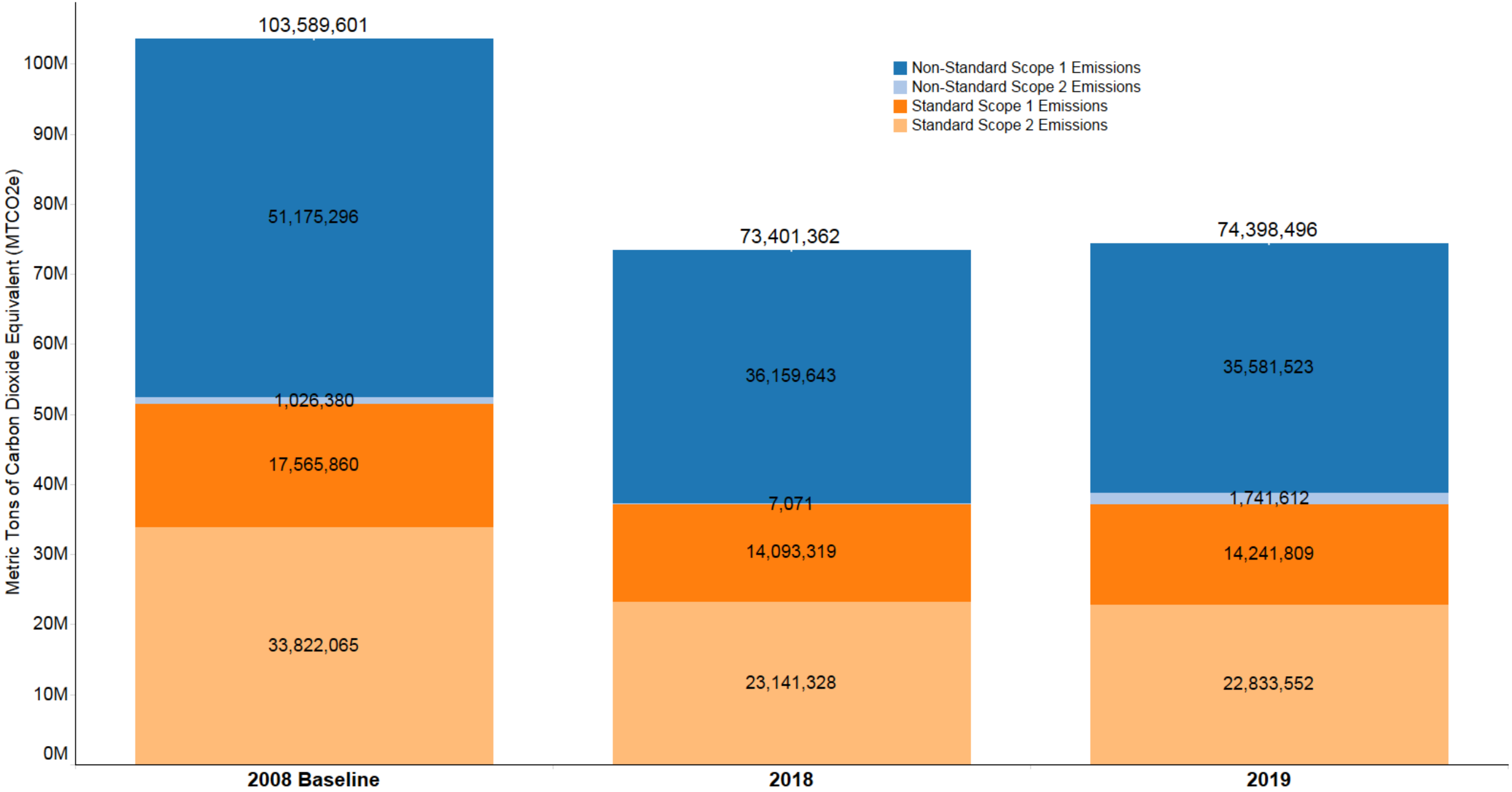


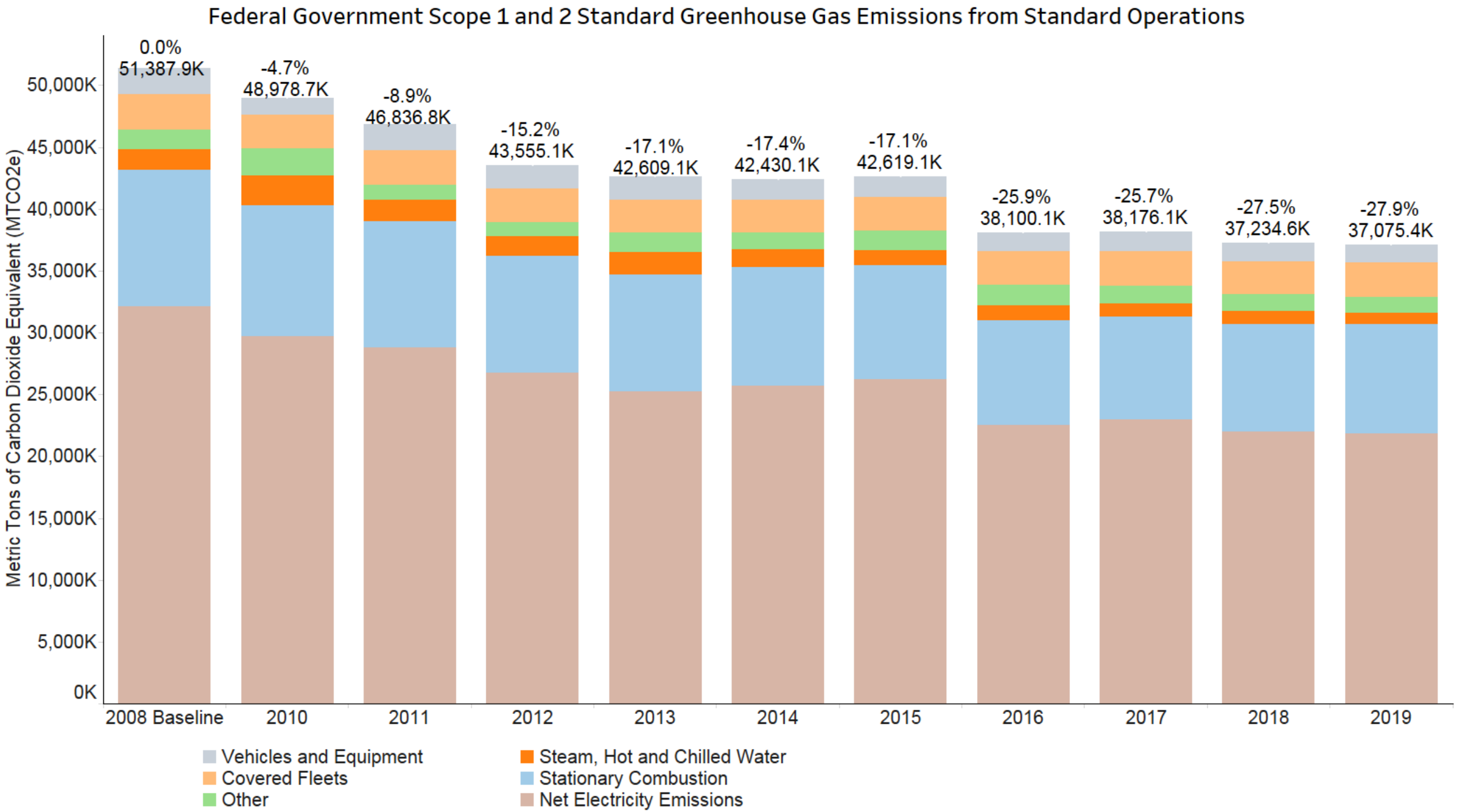

Federal Government Investment in Facility Efficiency Improvements
Investment (2019$)
$5,000M
$4,500M
$4,000M
$3,500M
$3,000M
$2,500M
$2,000M
$1,500M
$1,000M
$500M
$0M
Funding Type
Energy Savings Performance Contracts
Utility Energy Service Contracts
Direct Obligations
$4,816M
$598M
$75M
$4,143M
$3,556M
$422M
$189M
$2,944M
$1,747M
$422M
$111M
$1,215M
$1,502M
$533M
$93M
$876M
$1,856M
$766M
$114M
$976M
$2,119M
$495M
$135M
$1,489M
$1,845M
$973M
$220M
$652M
$1,590M
$1,056M
$165M
$369M
$1,865M
$1,001M
$116M
$748M
$1,207M
$901M
$83M
$224M
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019

FY 2019 Federal Agency Investment in Energy Efficiency and Renewable Energy

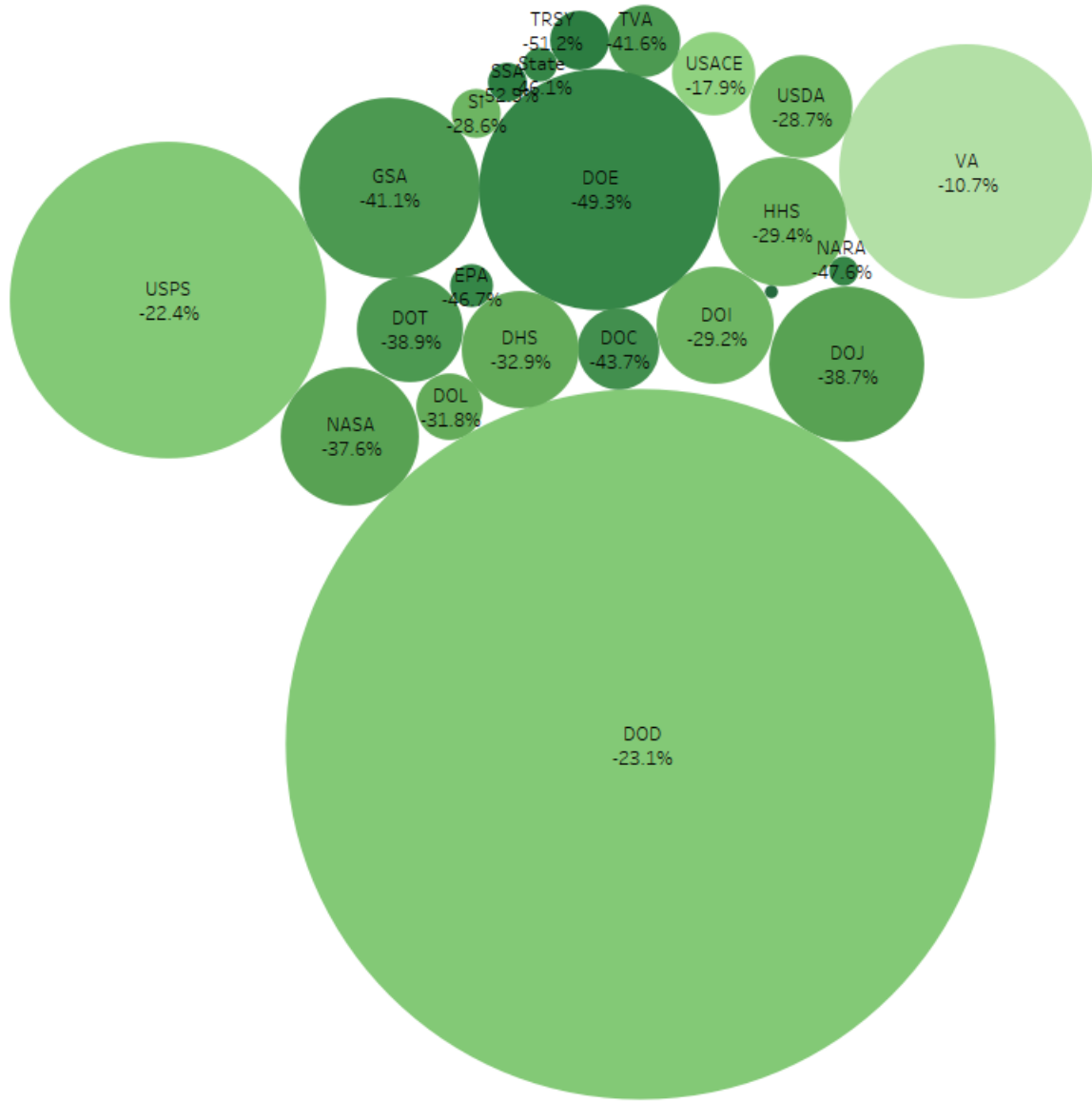
Agency	Funding Type			
	Direct Obligation	UESC	ESPC	Total
DOD	$79.7M	$24.1M	$797.6M	$901.4M
VA	$36.7M	$52.4M	$30.4M	$119.6M
DOE	$8.4M	$0.0M	$31.9M	$40.3M
EPA	$33.4M	$0.0M	$0.0M	$33.4M
DOJ	$1.6M	$0.0M	$25.4M	$27.0M
NASA	$7.5M	$4.7M	$14.0M	$26.2M
DOI	$14.1M	$0.1M	$0.0M	$14.2M
HHS	$12.4M	$0.0M	$0.0M	$12.4M
GSA	$7.9M	$0.0M	$0.9M	$8.9M
DHS	$0.2M	$0.0M	$0.0M	$0.2M
TVA	$4.9M	$0.0M	$0.0M	$4.9M
USDA	$4.3M	$0.0M	$0.0M	$4.3M
USACE	$4.1M	$0.0M	$0.0M	$4.1M
SSA	$3.3M	$0.0M	$0.0M	$3.3M
DOT	$2.8M	$0.0M	$0.0M	$2.8M
State	$0.0M	$1.7M	$0.0M	$1.7M
DOL	$1.6M	$0.0M	$0.0M	$1.6M
TRSY	$0.1M	$0.0M	$0.5M	$0.6M
SI	$0.3M	$0.0M	$0.0M	$0.3M
DOC	$0.2M	$0.0M	$0.0M	$0.2M
USPS	$0.0M	$0.0M	$0.0M	$0.0M
OPM	$0.0M	$0.0M	$0.0M	$0.0M
NARA	$0.0M	$0.0M	$0.0M	$0.0M
HUD	$0.0M	$0.0M	$0.0M	$0.0M
Education	$0.0M	$0.0M	$0.0M	$0.0M
Total	$223.7M	$83.0M	$900.7M	$1,207.5M

Scope 1 and 2 Greenhouse Gas Emissions from Federal Standard and Non-Standard Operations




Federal Government Scope 1 and 2 Standard Greenhouse Gas Emissions from Standard Operations
Metric Tons of Carbon Dioxide Equivalent (MTCO2e)
50,000K
45,000K
40,000K
35,000K
30,000K
25,000K
20,000K
15,000K
10,000K
5,000K
0K
0.0%
51,387.9K
-4.7%
48,978.7K
-8.9%
46,836.8K
-15.2%
43,555.1K
-17.1%
42,609.1K
-17.4%
42,430.1K
-17.1%
42,619.1K
-25.9%
38,100.1K
-25.7%
38,176.1K
-27.5%
37,234.6K
-27.9%
37,075.4K
2008 Baseline
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Vehicles and Equipment
Covered Fleets
Other
Steam, Hot and Chilled Water
Stationary Combustion
Net Electricity Emissions

2019 Greenhouse Gas Emissions from Standard Operations: 37.0 Million Metric Tons of Carbon Dioxide Equivalent (MTCO2e) with Reduction Percentage versus 2008



Less than 7,000 MTCO2e

Education	52.9%
HUD	-60.0%
OPM	-71.7%

GHG Reduction

-60.0% -10.7%