

U.S. DEPARTMENT OF
ENERGY

Office of
ENERGY EFFICIENCY &
RENEWABLE ENERGY

Federal Government FY 2019 Efficiency Performance

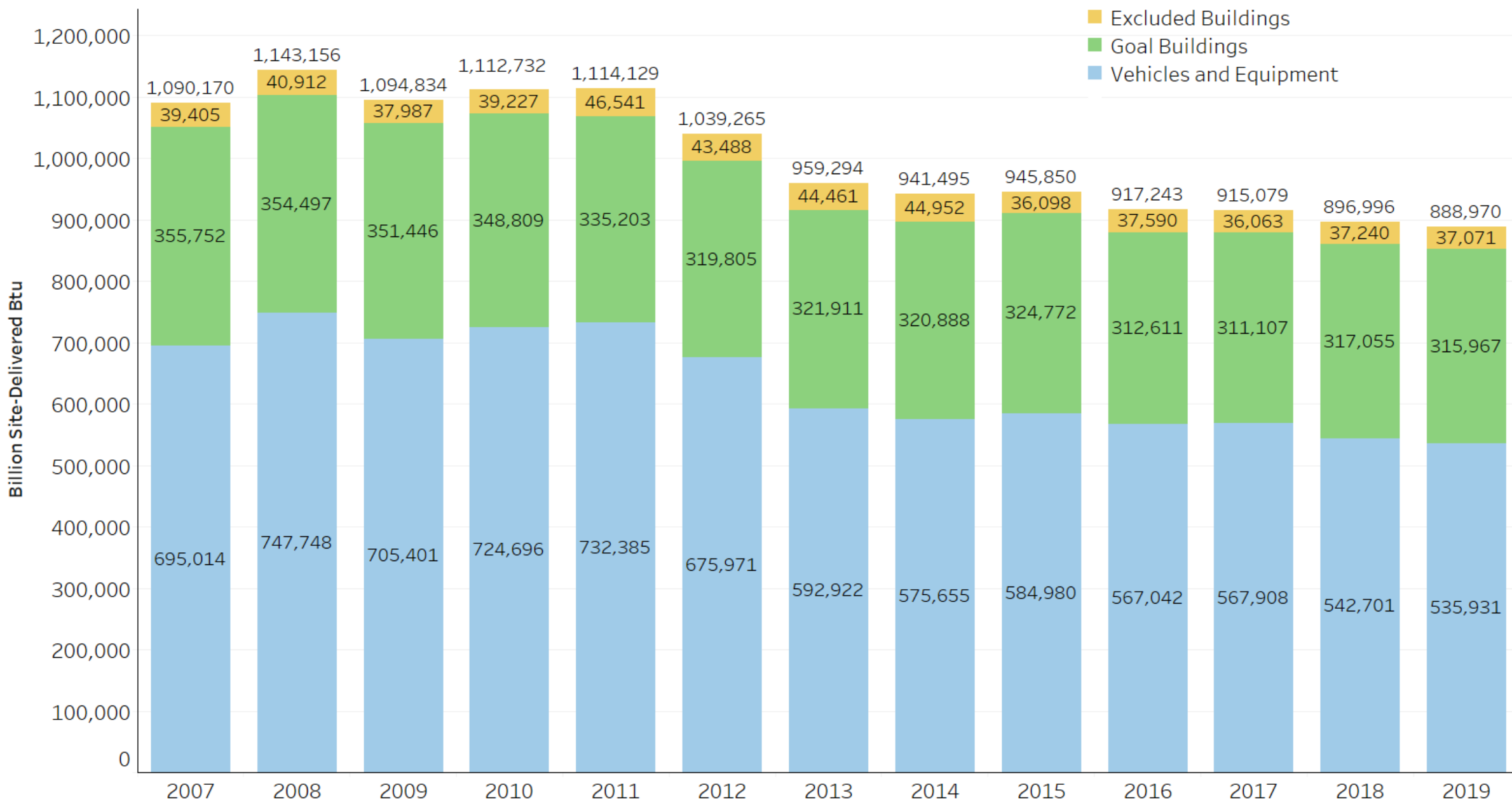
Federal Energy Management Program



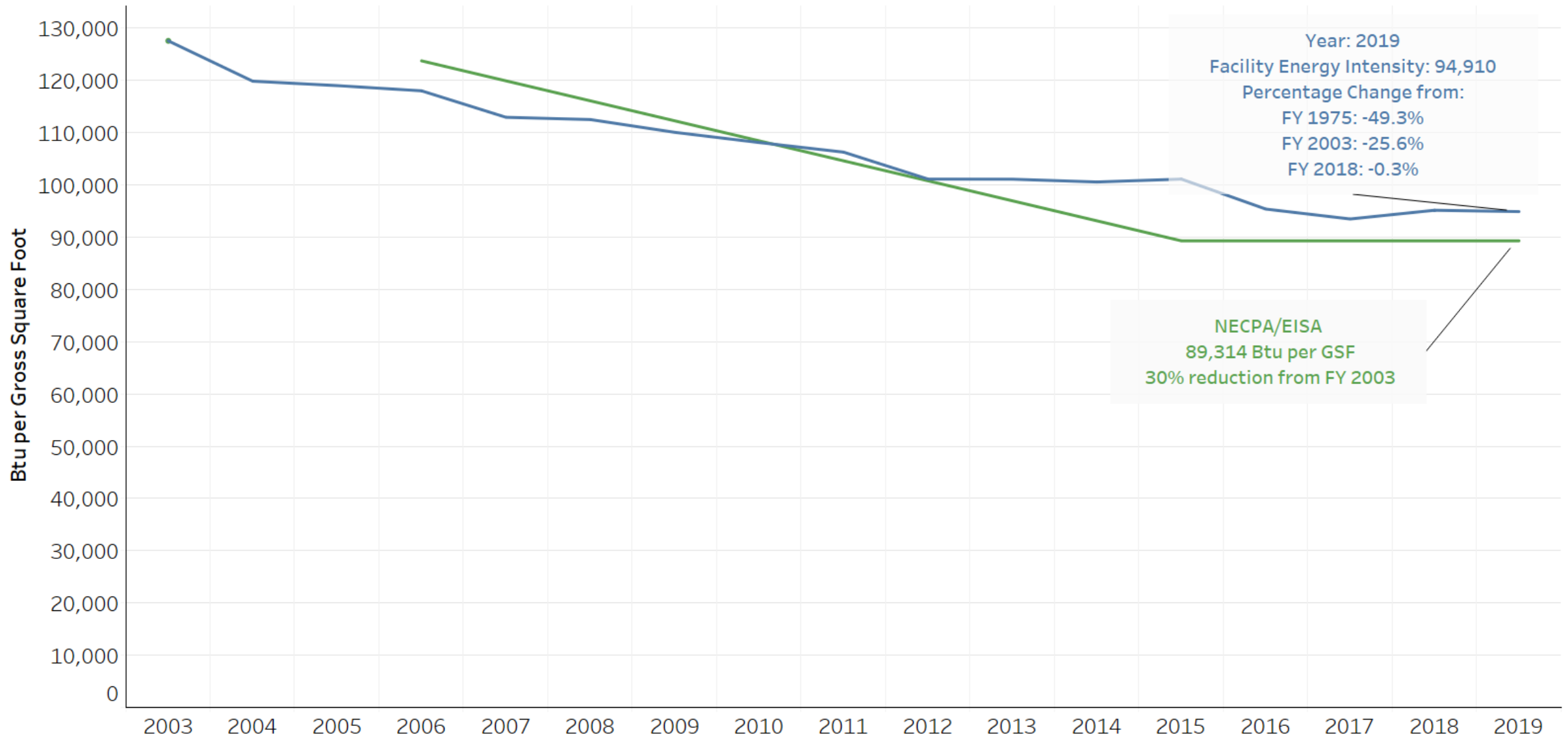
FY 2019 Government-Wide Performance Findings

- **Facility energy intensity (Btu/Gross Square Foot) reductions**
 - 25.6% reduction vs. 2003 – goal is 30%
 - 0.3% decrease vs. 2018
- **Efficiency investment in Federal facilities (\$1.2B total in FY 2019) decreased 34% from 2018**
 - Direct funding investment: \$224 million in FY 2019
 - ESPC investment: \$901 million
 - UESC Investment: \$83 million
- **Without the \$25.8 billion in efficiency investment from 2007-2019, estimated energy use in buildings would be 28 percent higher**
 - Estimated return on \$25.8 billion invested: \$55.6 billion by 2030 (in 2019 constant dollars)
- **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**
- **Scope 1&2 greenhouse gas emissions from standard operations declined by 27.9% vs. 2008, compared to a 27.5% reduction in 2018**

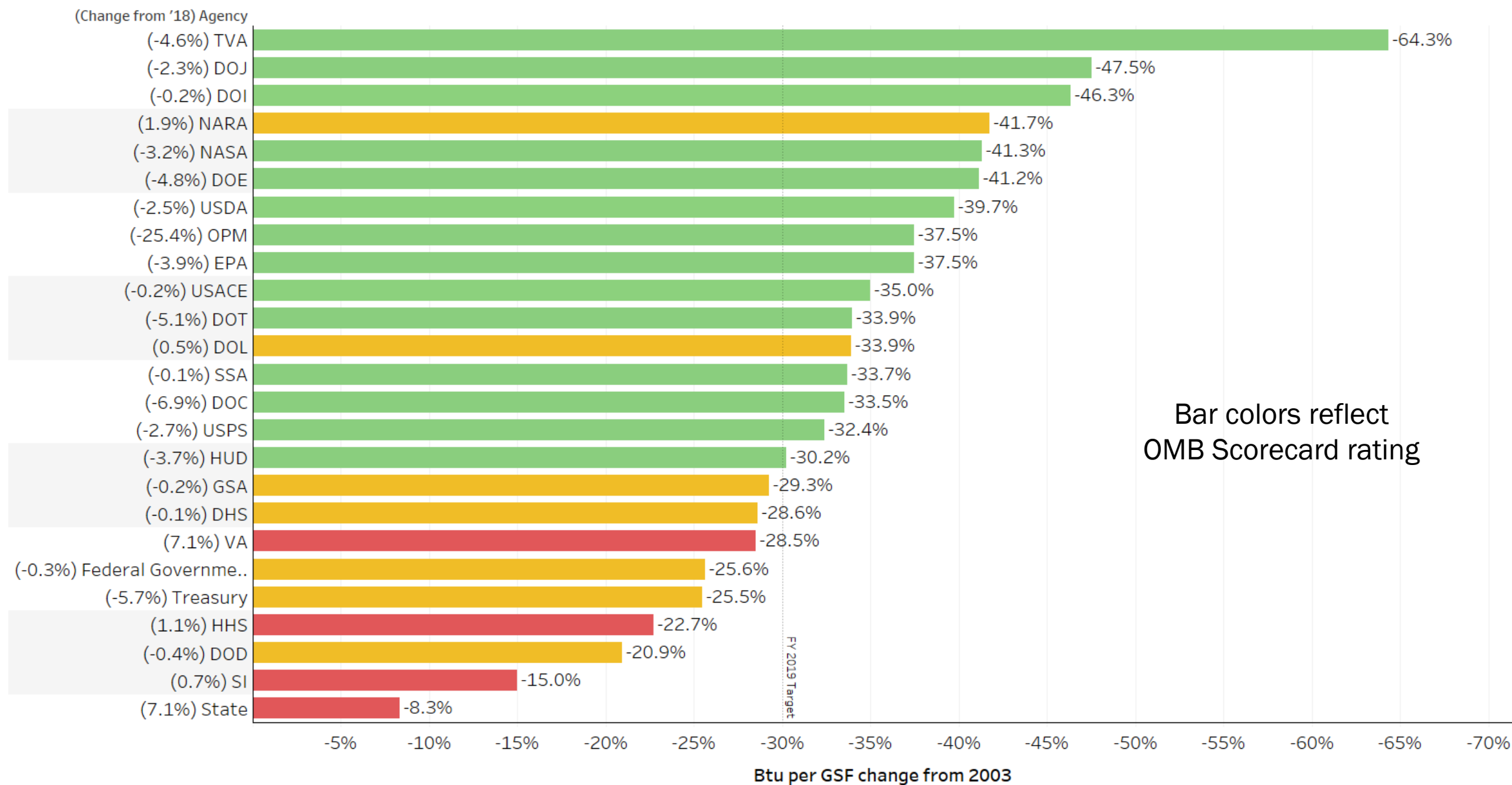
Federal Government Energy Use by Sector (FY 2007 - FY 2019)



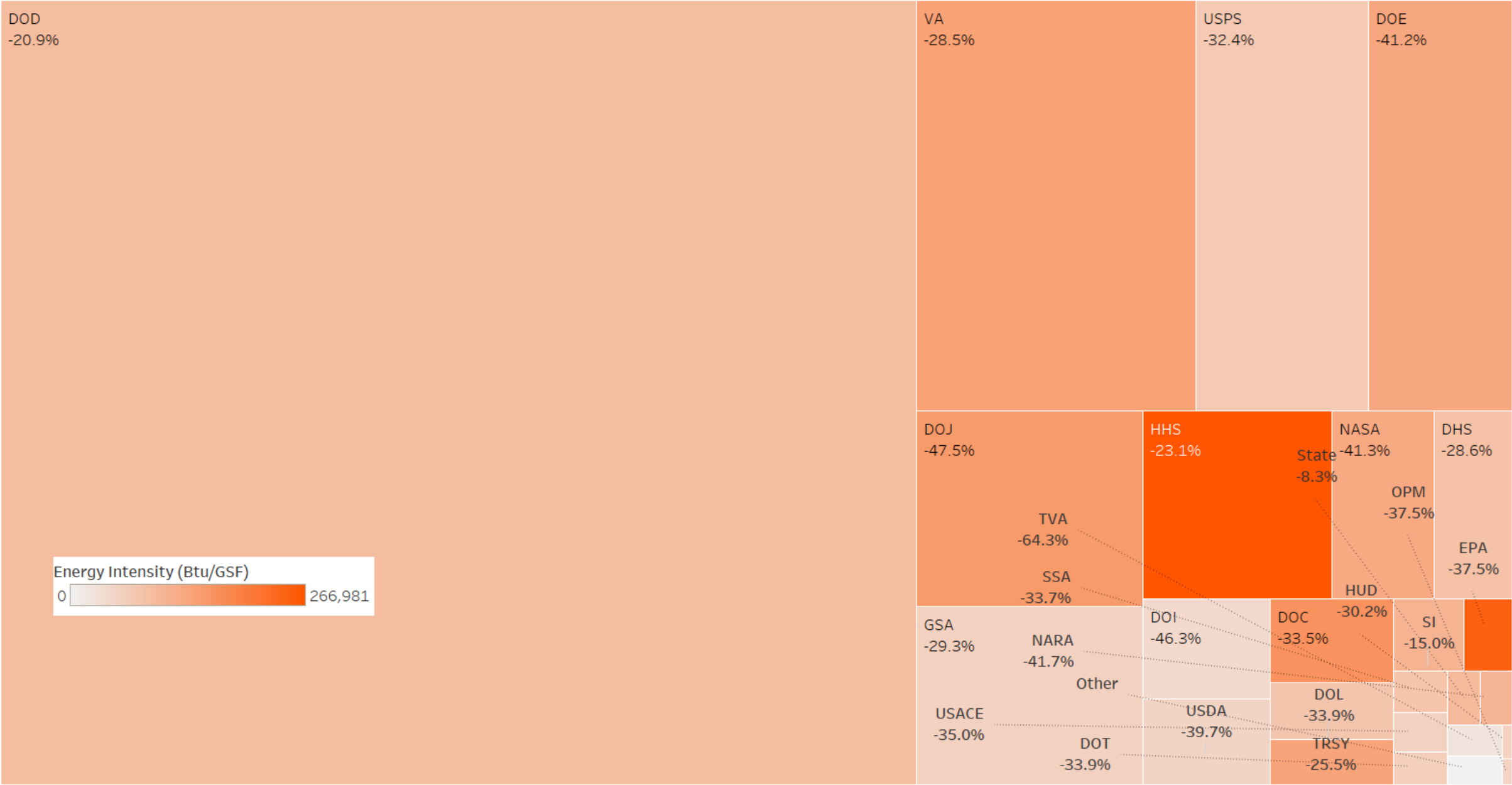
Federal Government Progress Toward Facility Energy Efficiency Goals FY 2003 - FY 2019



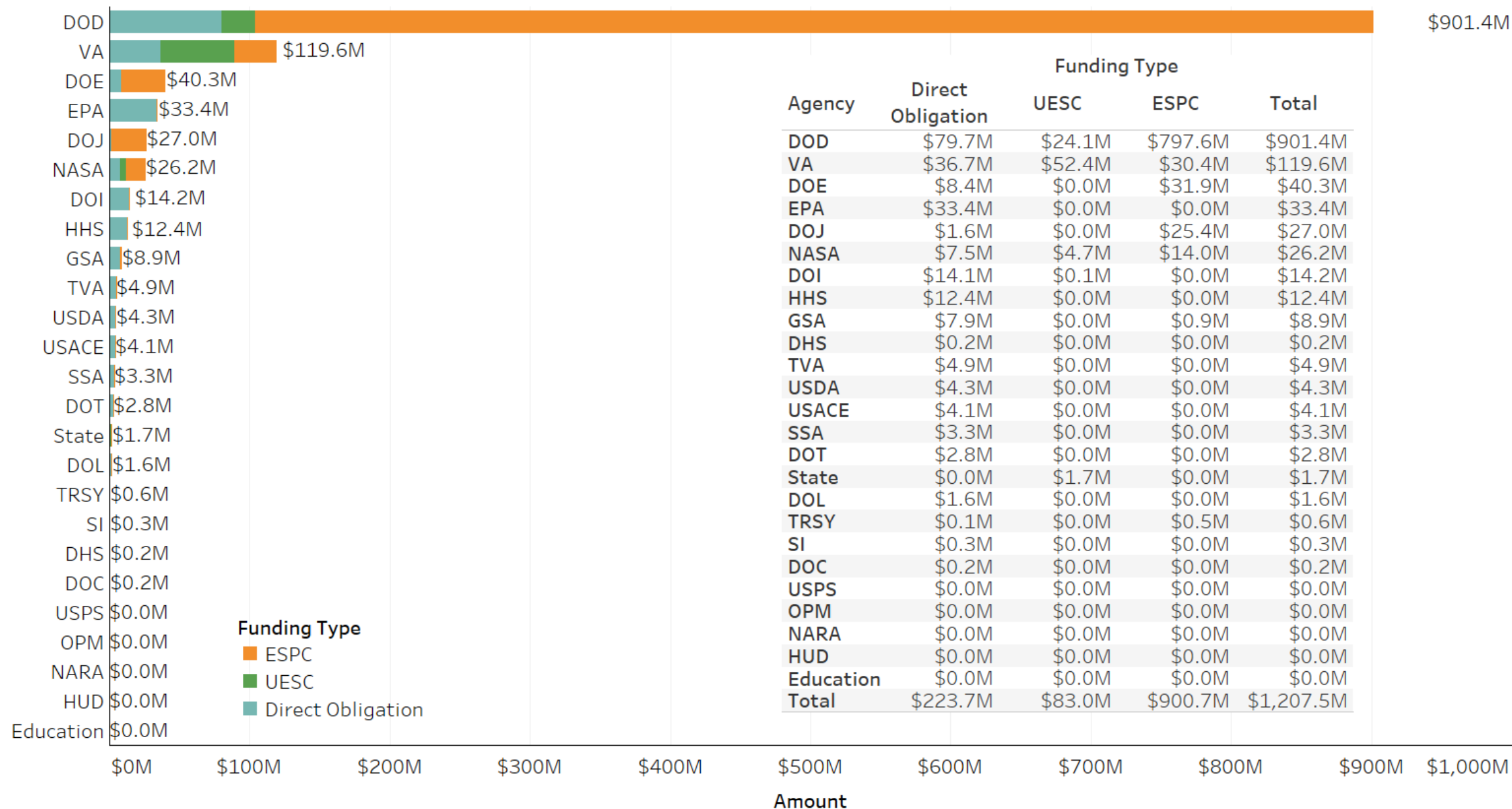
Federal Agency Progress in Facility Energy Use Intensity Reduction, FY 2003 to FY 2019



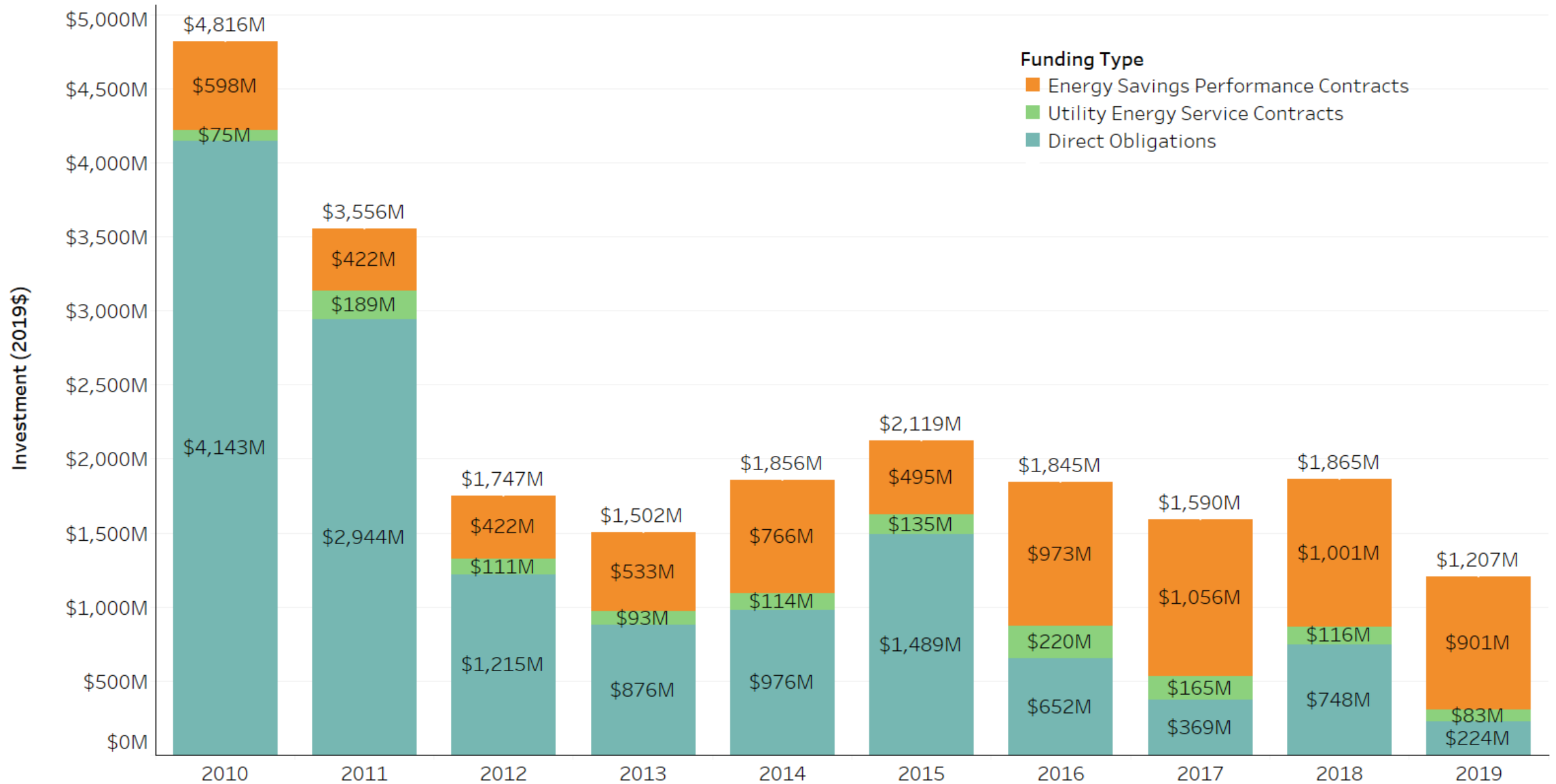
2019 Goal Building Energy Use: 316 Trillion Btu, with Intensity and Reduction Progress versus 2003



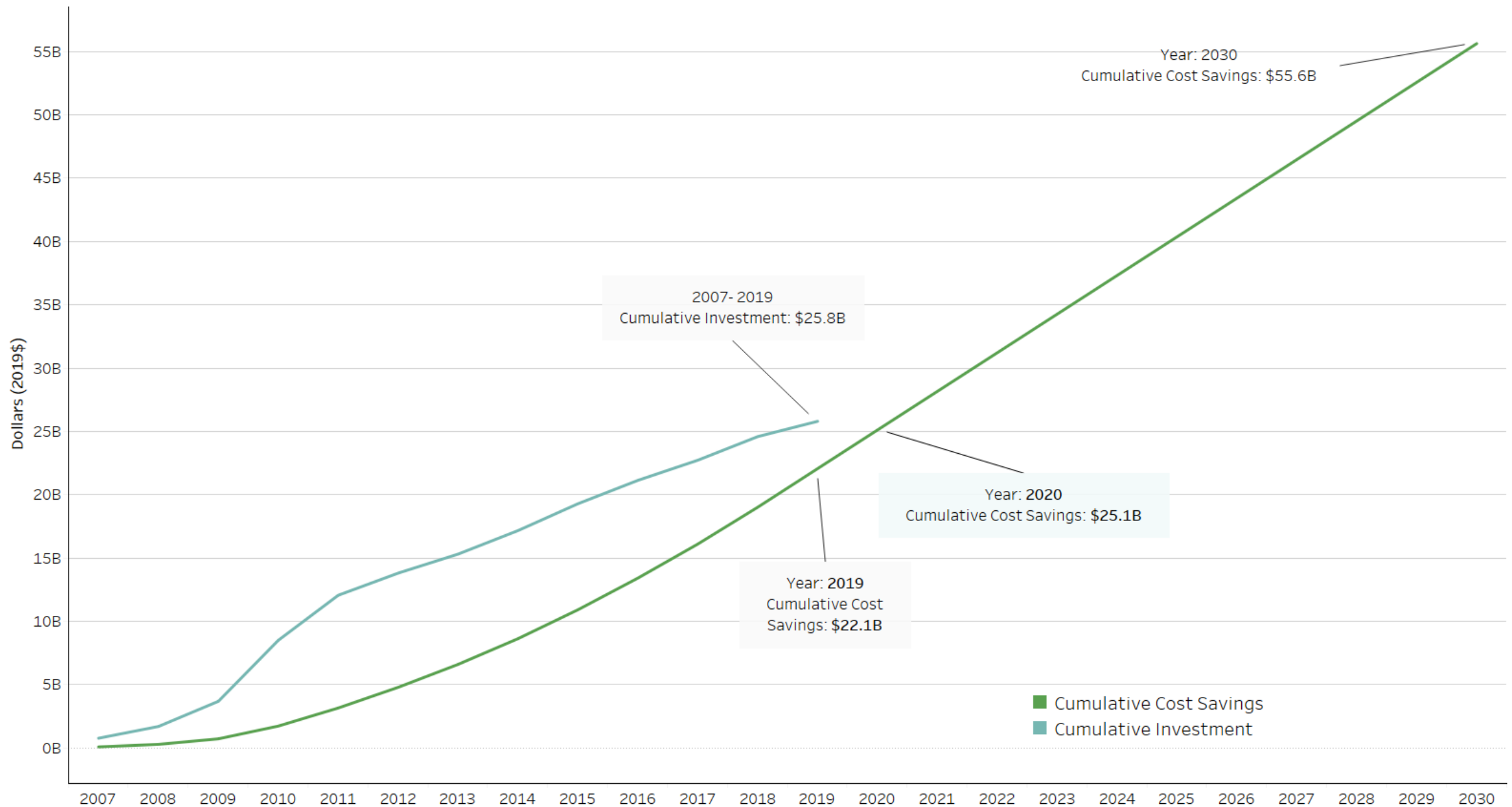
FY 2019 Federal Agency Investment in Energy Efficiency and Renewable Energy

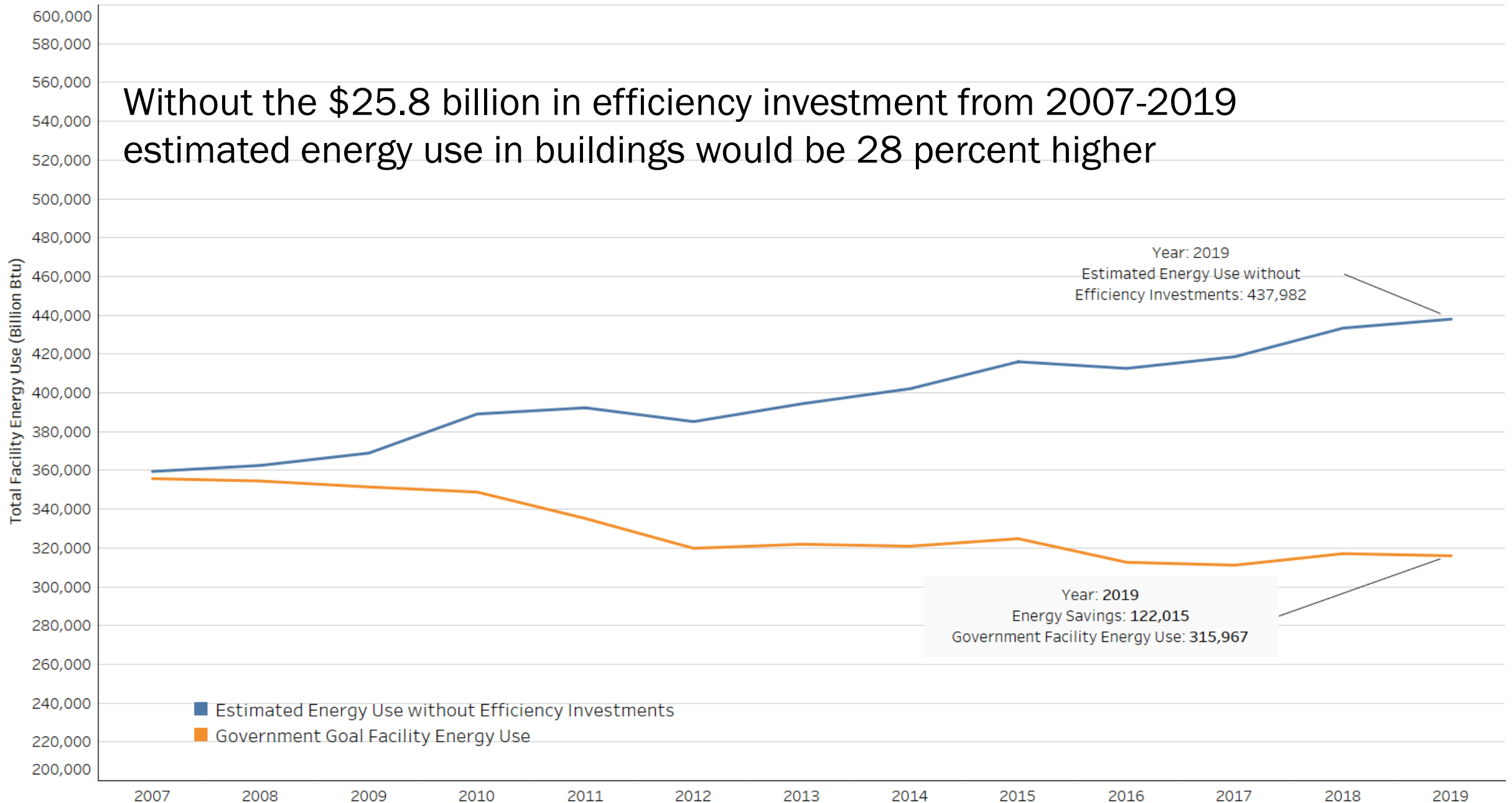


Federal Government Investment in Facility Efficiency Improvements

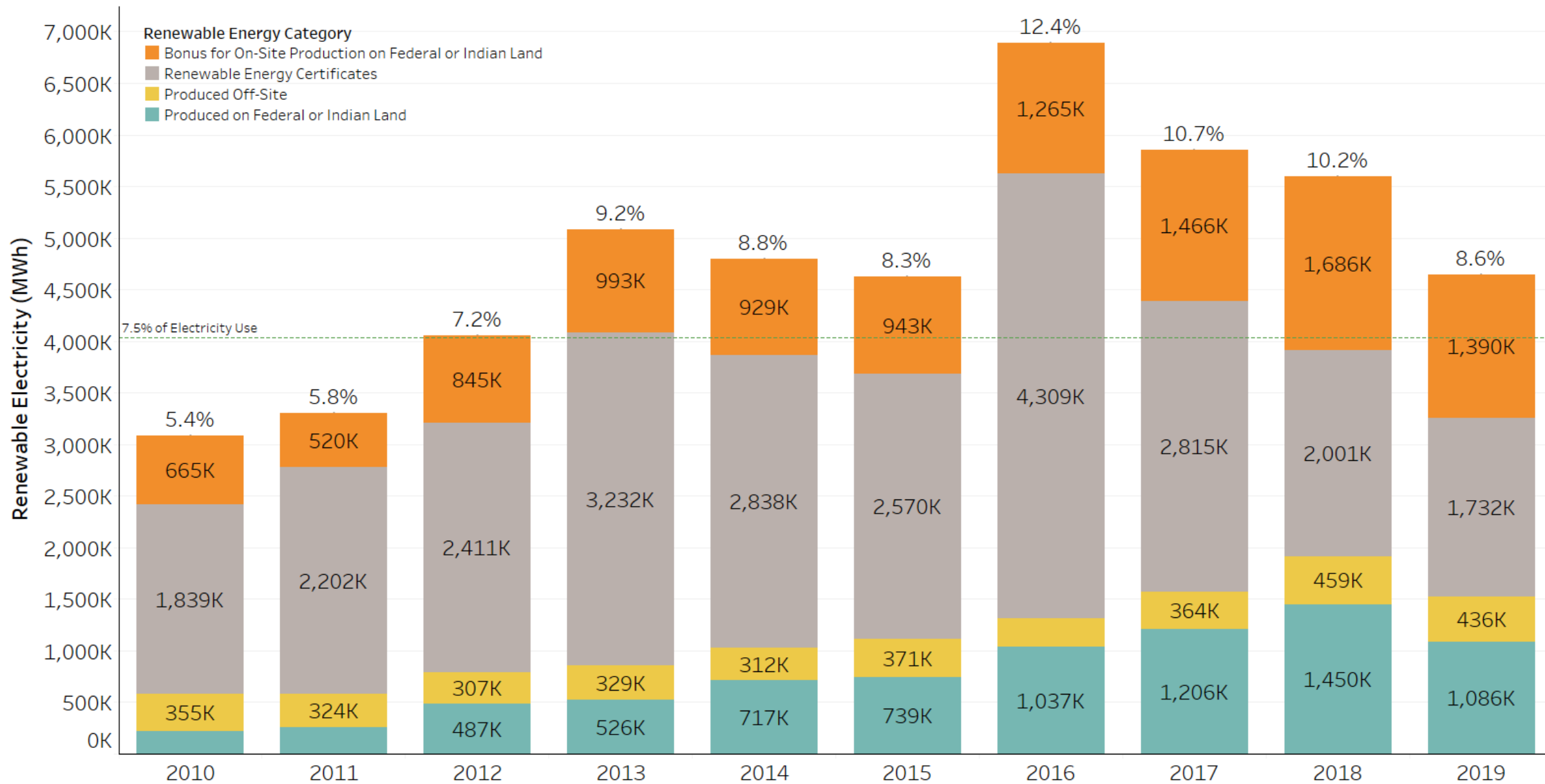


Savings Return on Federal Facility Energy Efficiency Investment of \$25.8 Billion (from FY 2007-2019)

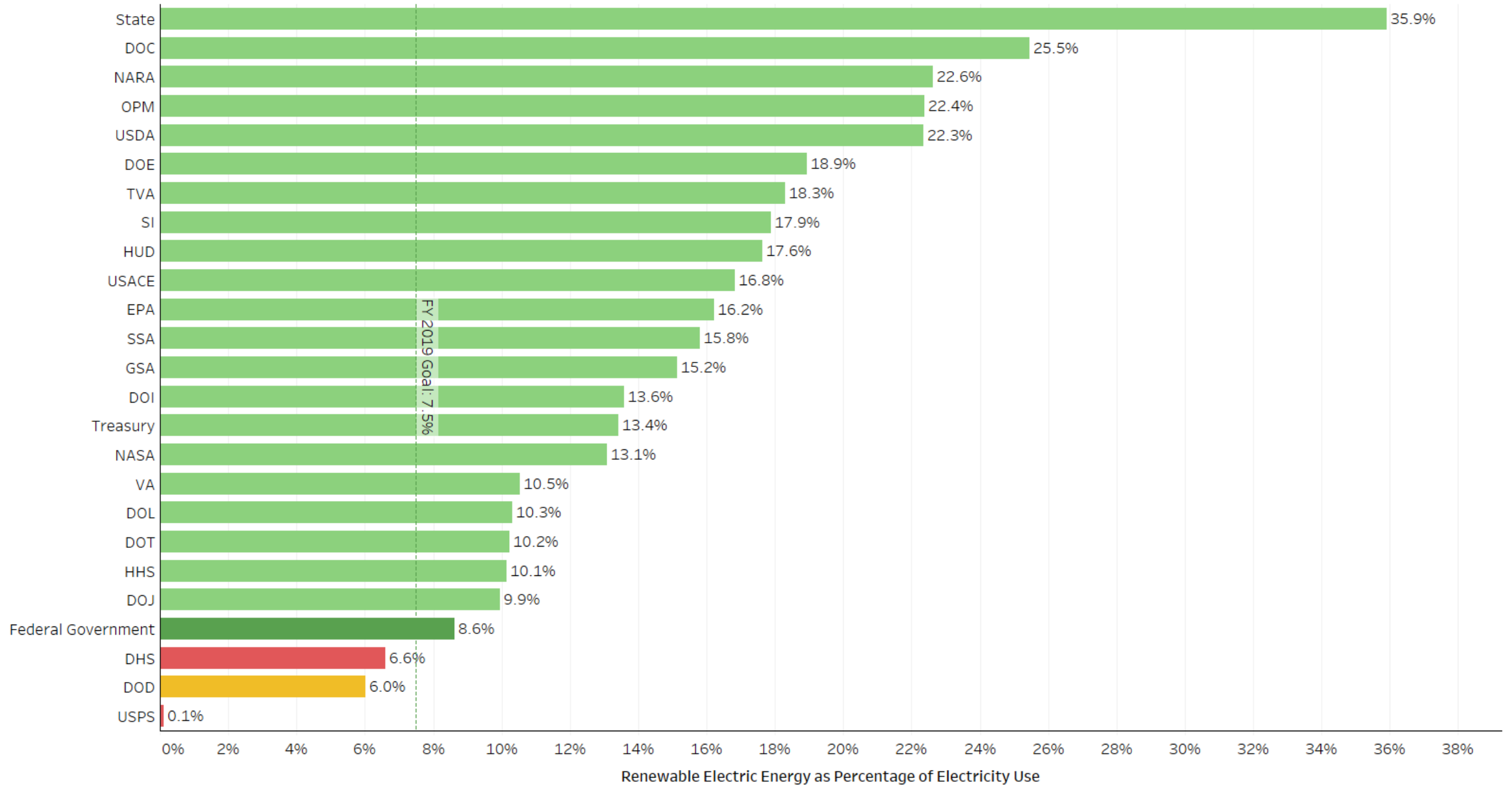




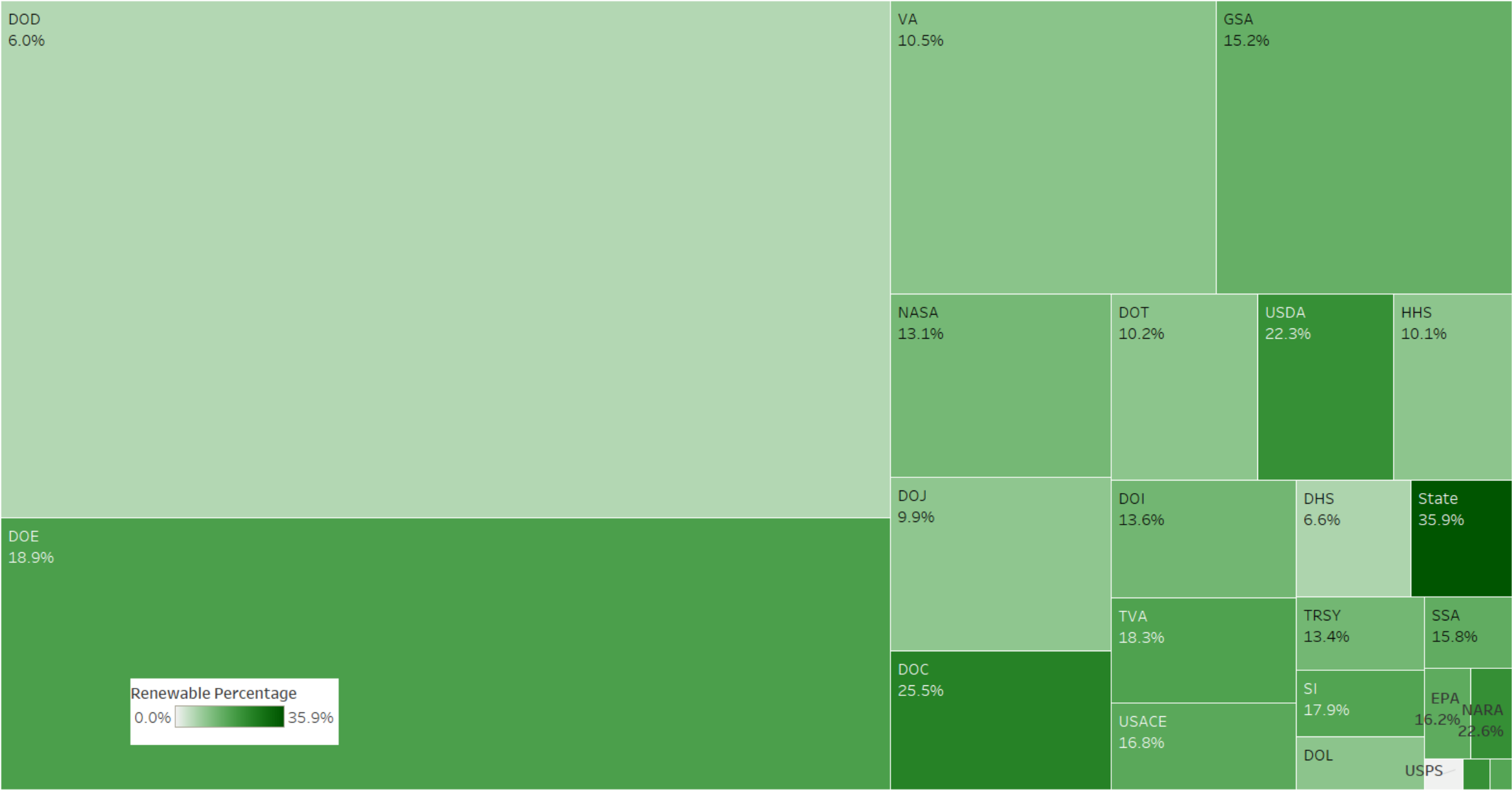
Federal Government Renewable Electricity Use (as a Percentage of Facility Electricity Consumption)



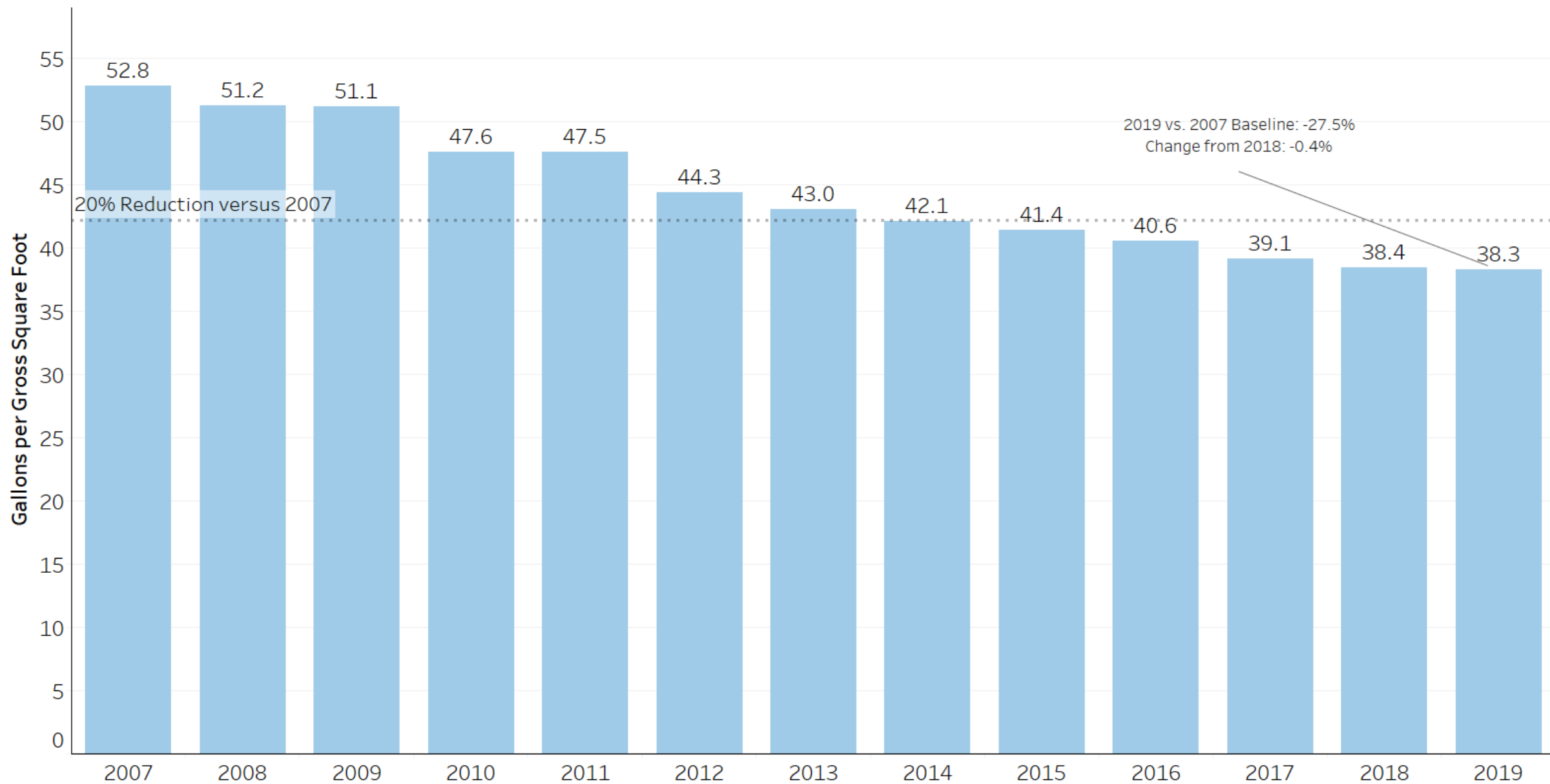
FY 2019 Renewable Electricity Use as a Percentage of Electricity Consumption



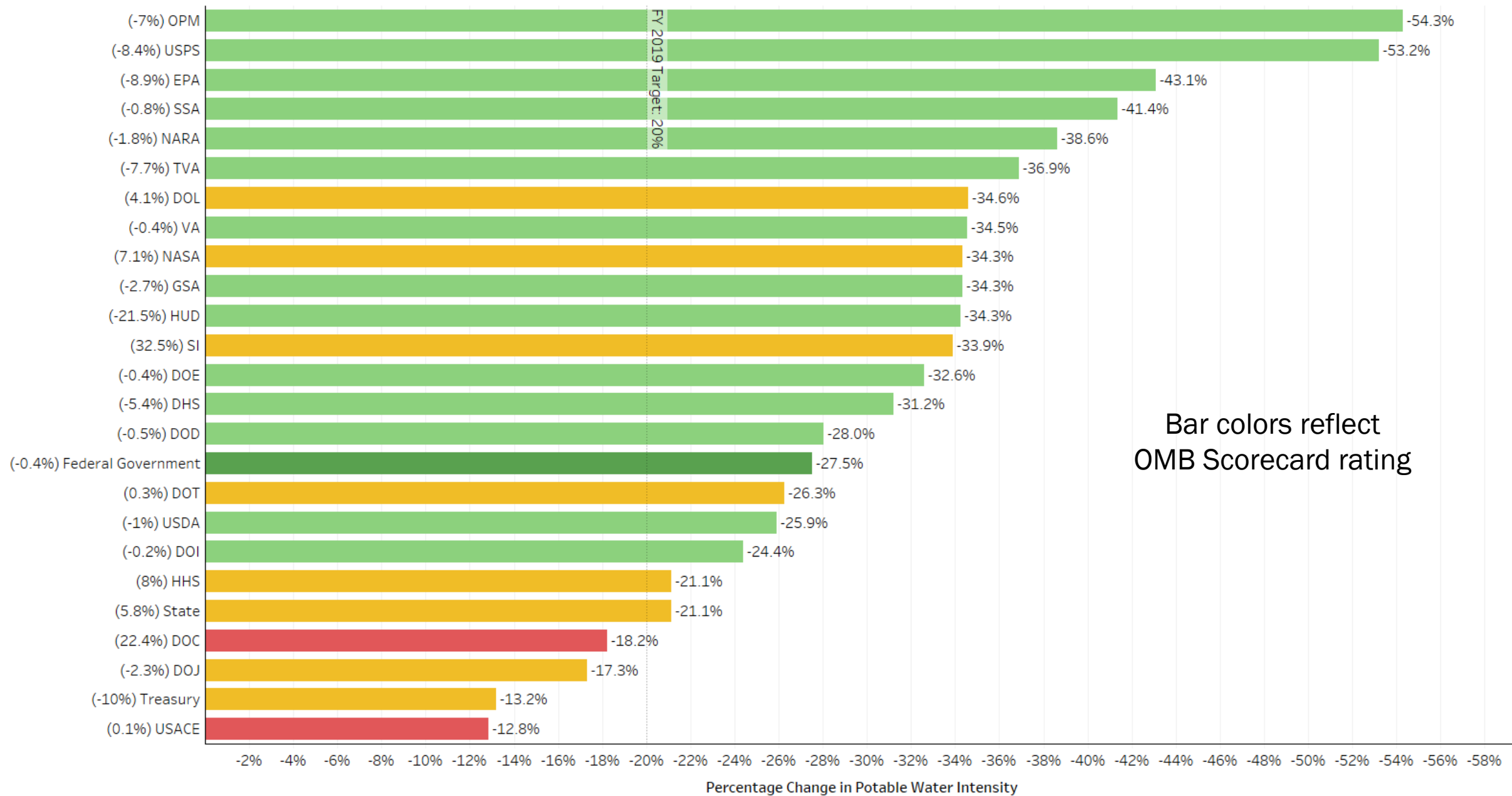
FY 2019 Renewable Electricity Use and Percentage of Electricity Consumption: 4.6 Million MWh



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



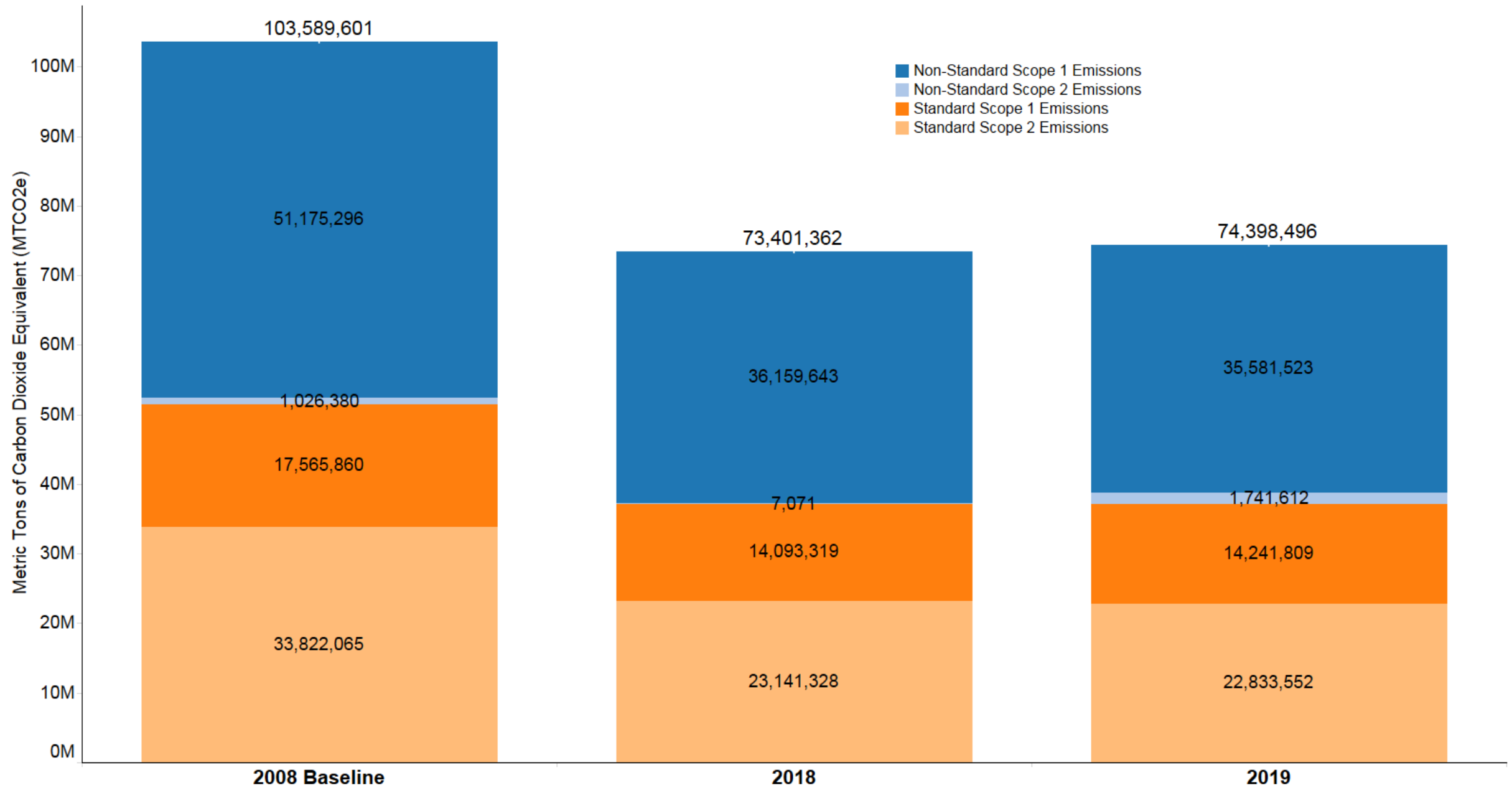
Federal Agency Progress in Potable Water Intensity FY 2007 to FY 2019



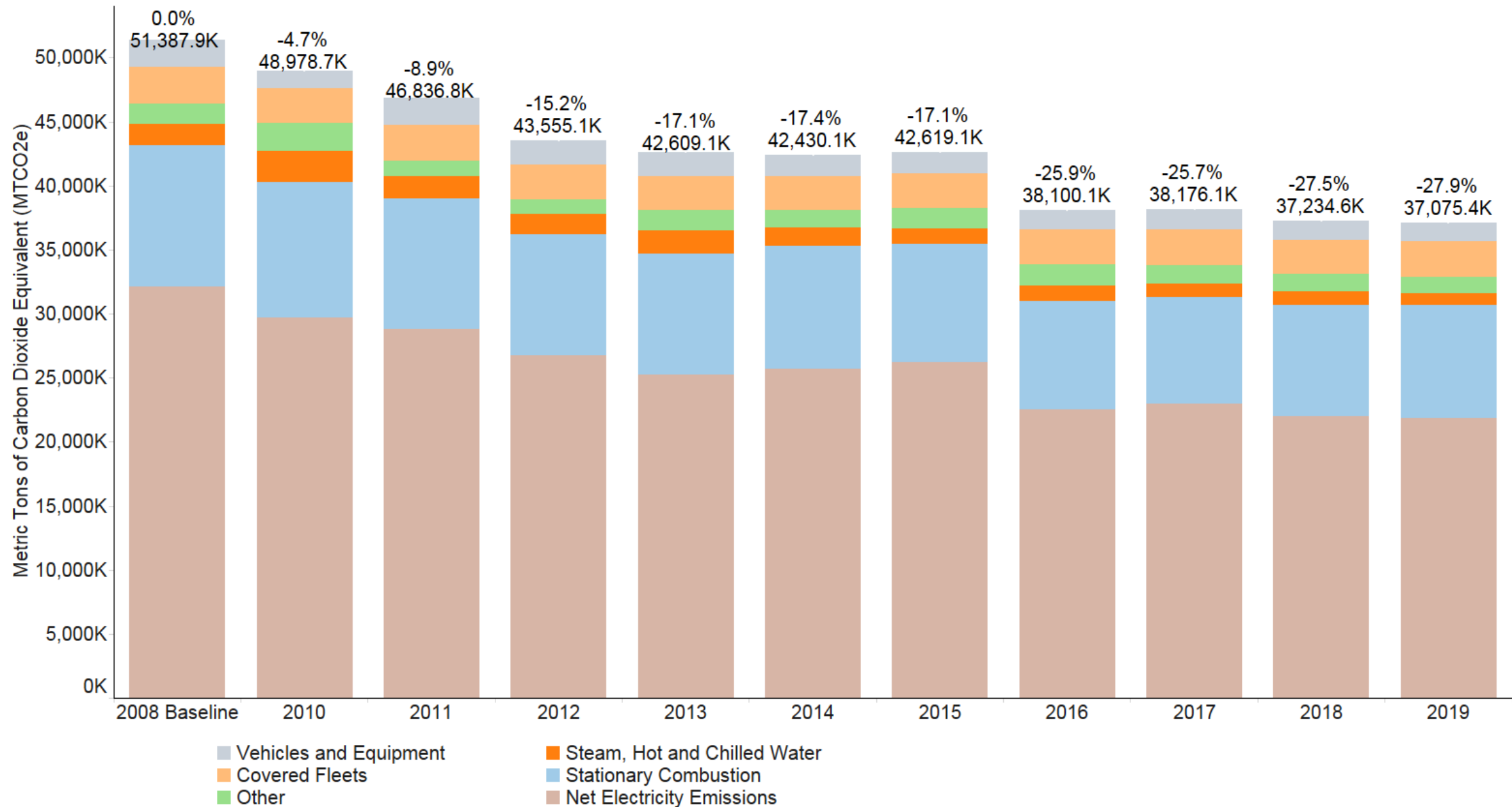
2019 Potable Water Use: 122 Billion Gallons Used, with Intensity and Reduction Percentage versus 2007



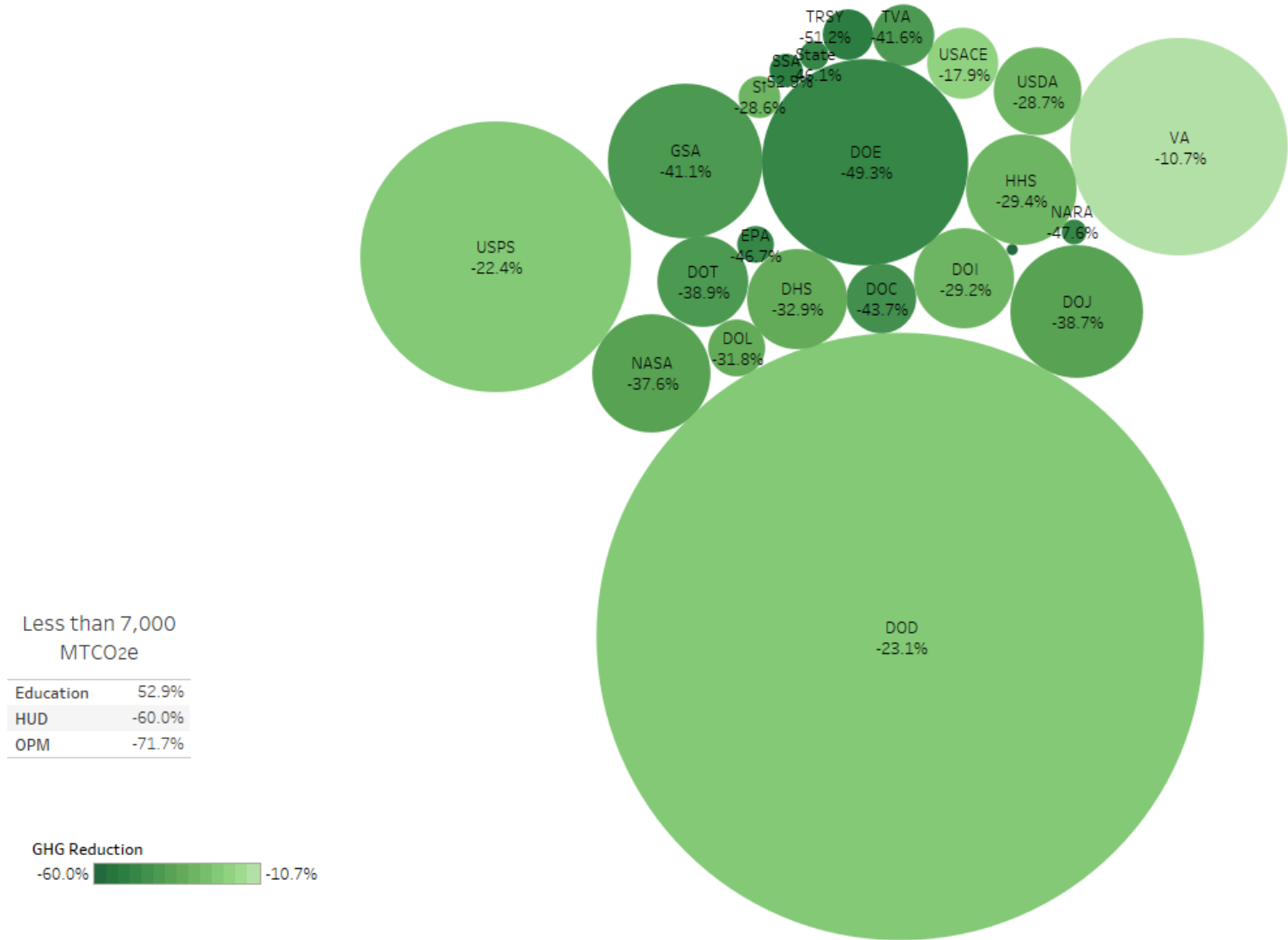
Scope 1 and 2 Greenhouse Gas Emissions from Federal Standard and Non-Standard Operations



Federal Government Scope 1 and 2 Standard Greenhouse Gas Emissions from Standard Operations



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



Data Links

- <https://www.energy.gov/eere/femp/federal-facility-annual-energy-reports-and-performance>
Current published annual data set (FY 2019)
- <https://www.sustainability.gov/performance.html>
Agency scorecards, progress data, annual sustainability report and implementation plans
- <https://www.energy.gov/eere/femp/eisa-federal-covered-facility-management-and-benchmarking-data>
EISA covered facility data