



U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy

Federal Progress Toward Facility Energy/ Sustainability Goals

June 30, 2017

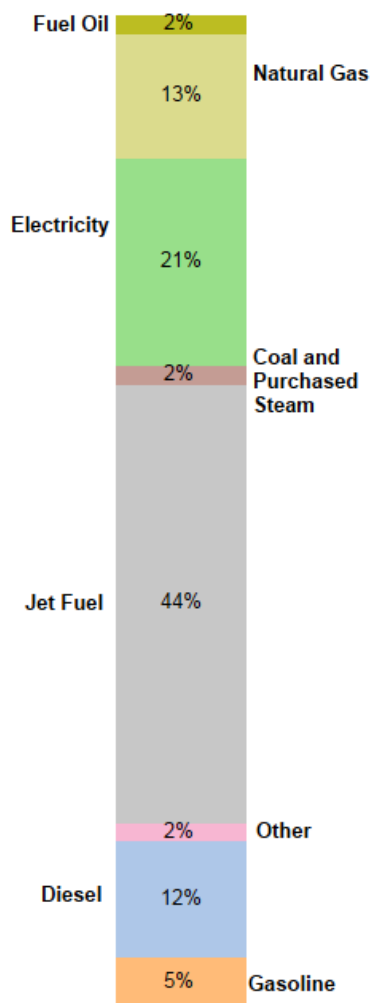
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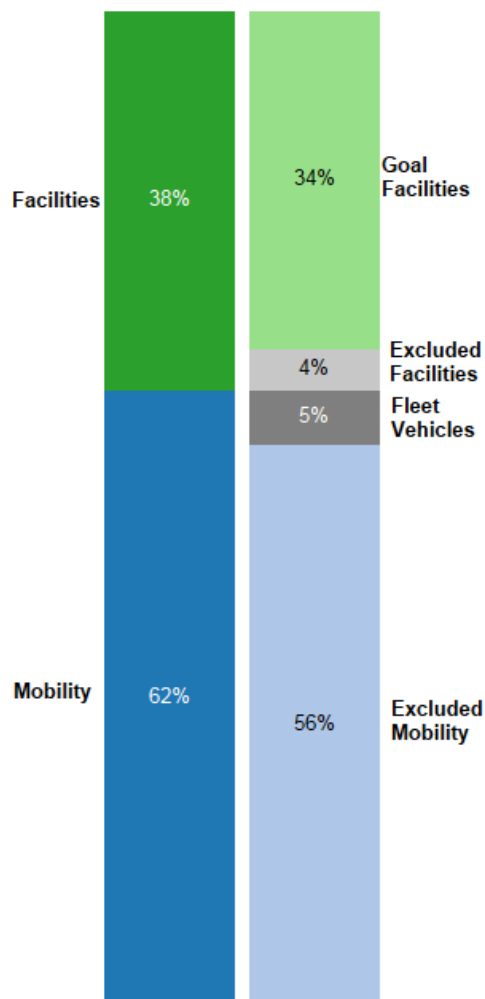
Overview of Federal Energy Consumption by Fuel Type, End Use, & GHG Emissions

Fiscal Year 2016 Federal Energy Consumption and GHG Emissions:
0.92 Quadrillion Btu, \$16 Billion, 77 Million MTCO₂e

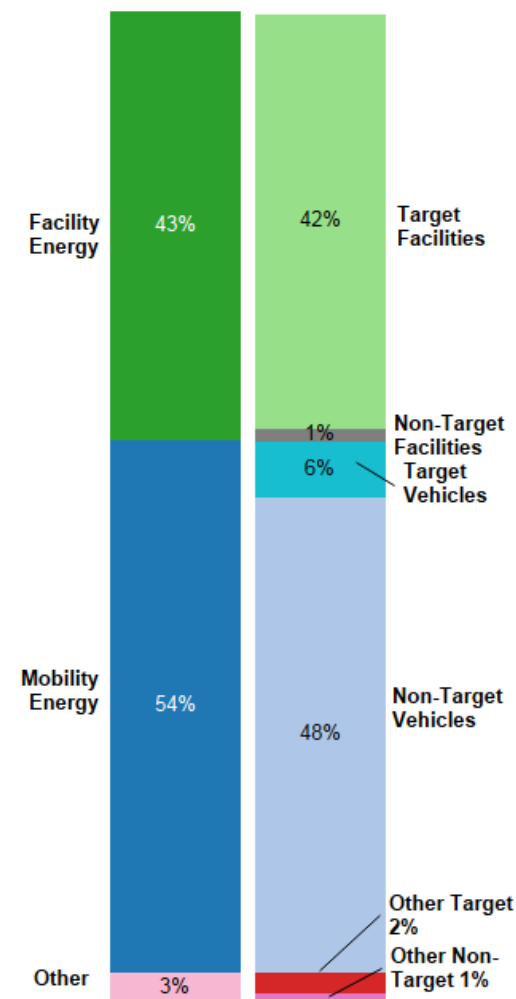
Consumption by Fuel Type



End-Use Sector



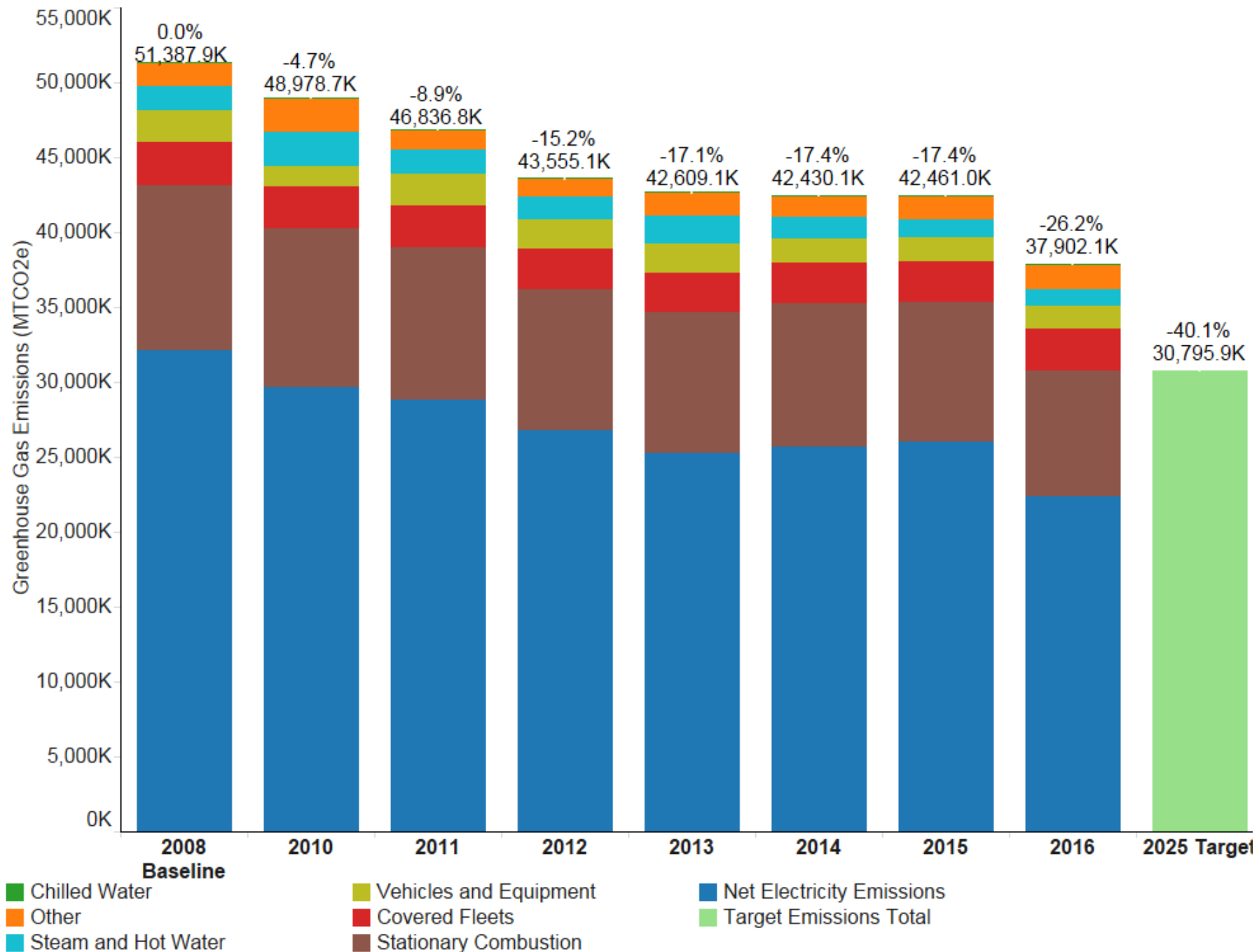
Scope 1 and 2 GHG Emissions



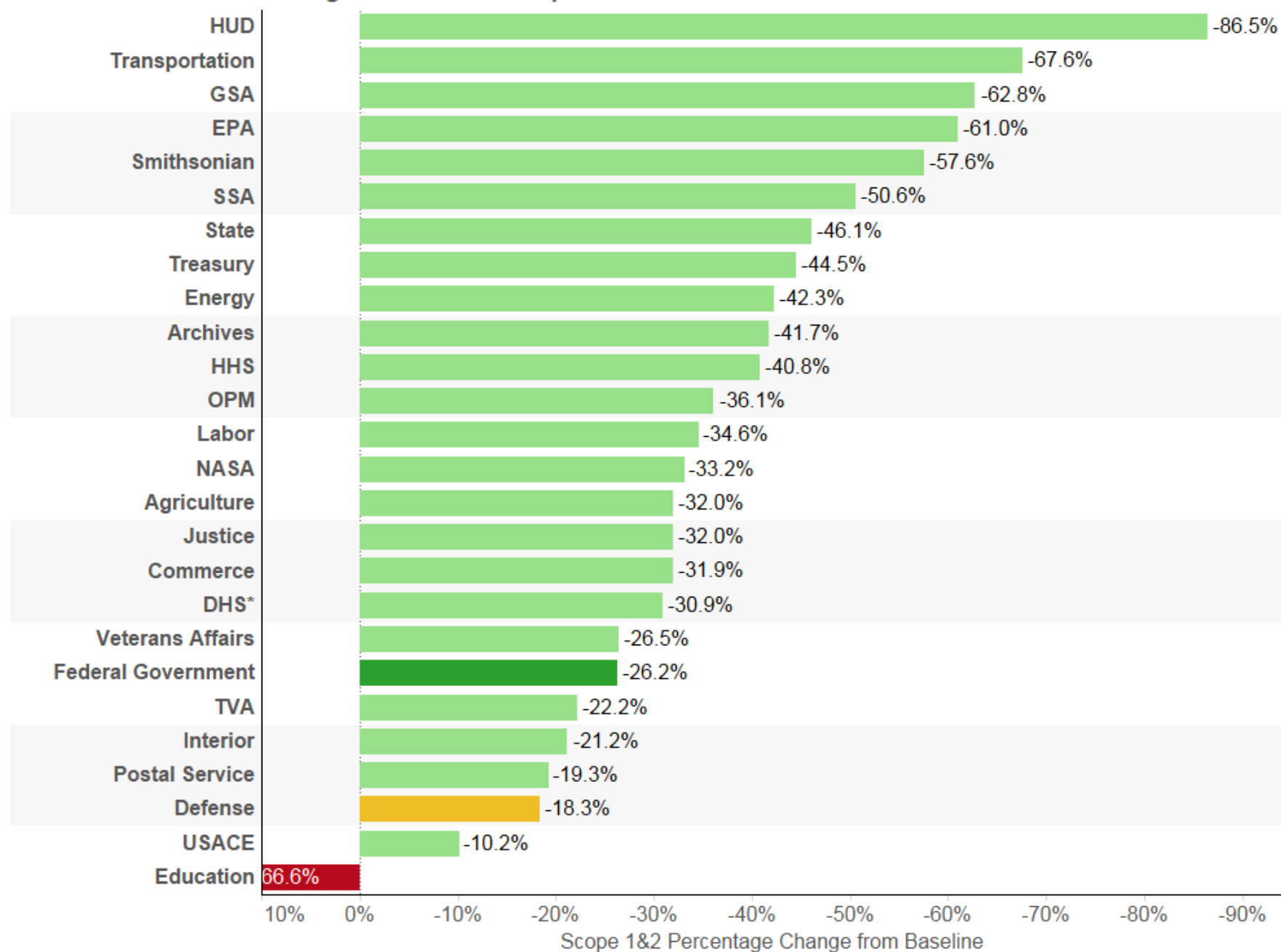
Key Findings for FY 2016

- Scope 1&2 GHG emissions declined 26.2% from FY08
- Scope 3 indirect GHG emissions decreased 23.3% from FY08
- Facility energy intensity reductions exceeded the 2.5% goal with a 5.3% reduction from 2015
- Clean energy goal of 10% was exceeded (14.2% of facility energy use)
- Renewable electricity goal of 10% was exceeded (12.4% of electricity use)
- Potable water intensity reduction goal of 18% was exceeded (23.6% reduction vs. 2007)
- Efficiency investment in Federal facilities decreased 12.4% from FY15
 - Direct funding investment: \$614 million
 - ESPC investment: \$914 million in FY16
 - UESC Investment: \$207 million in FY16

Federal Government Progress Toward Scope 1 and 2 Greenhouse Gas Reduction Goal

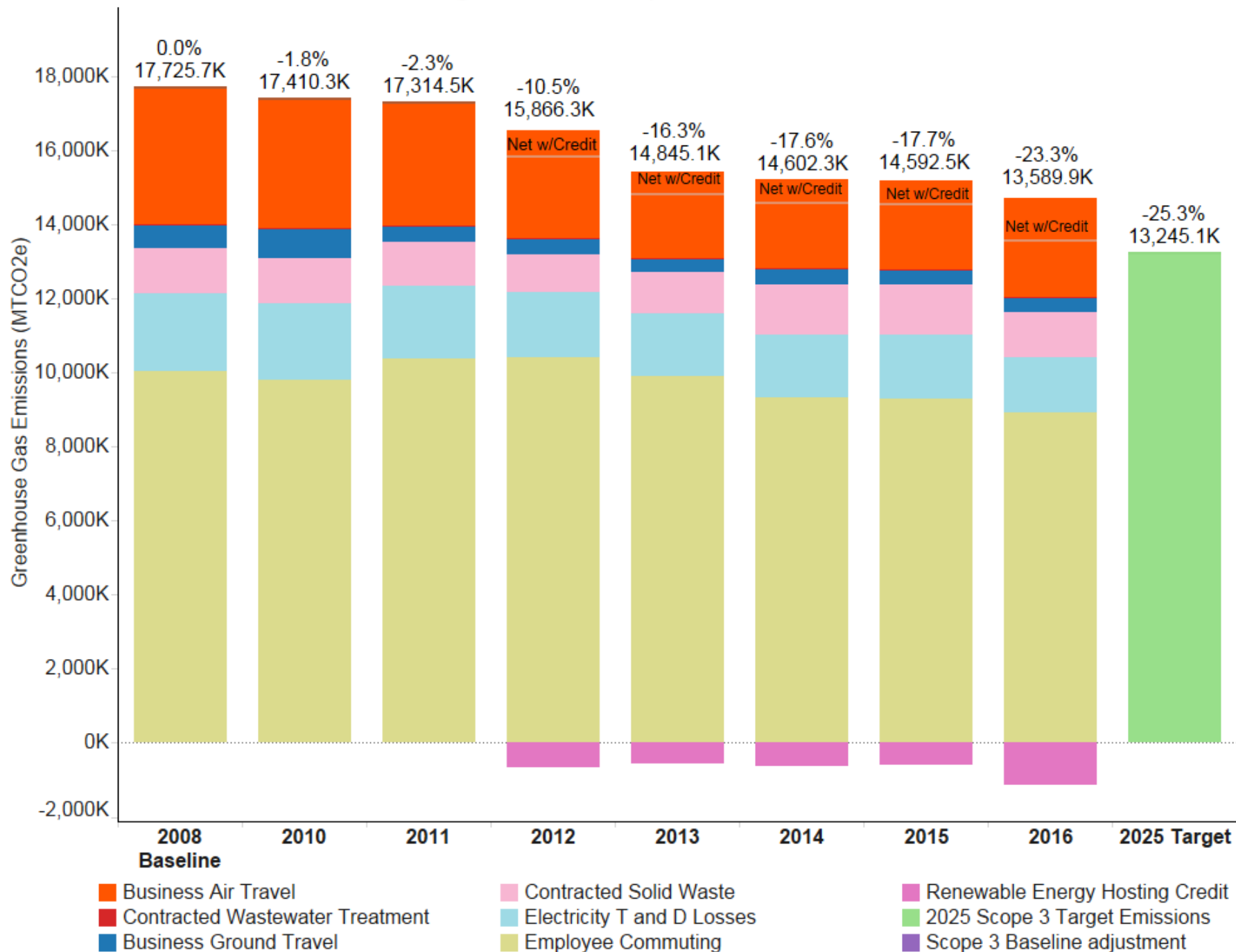


Percentage Reduction in Scope 1 and 2 GHG Emissions FY 2008 - FY 2016

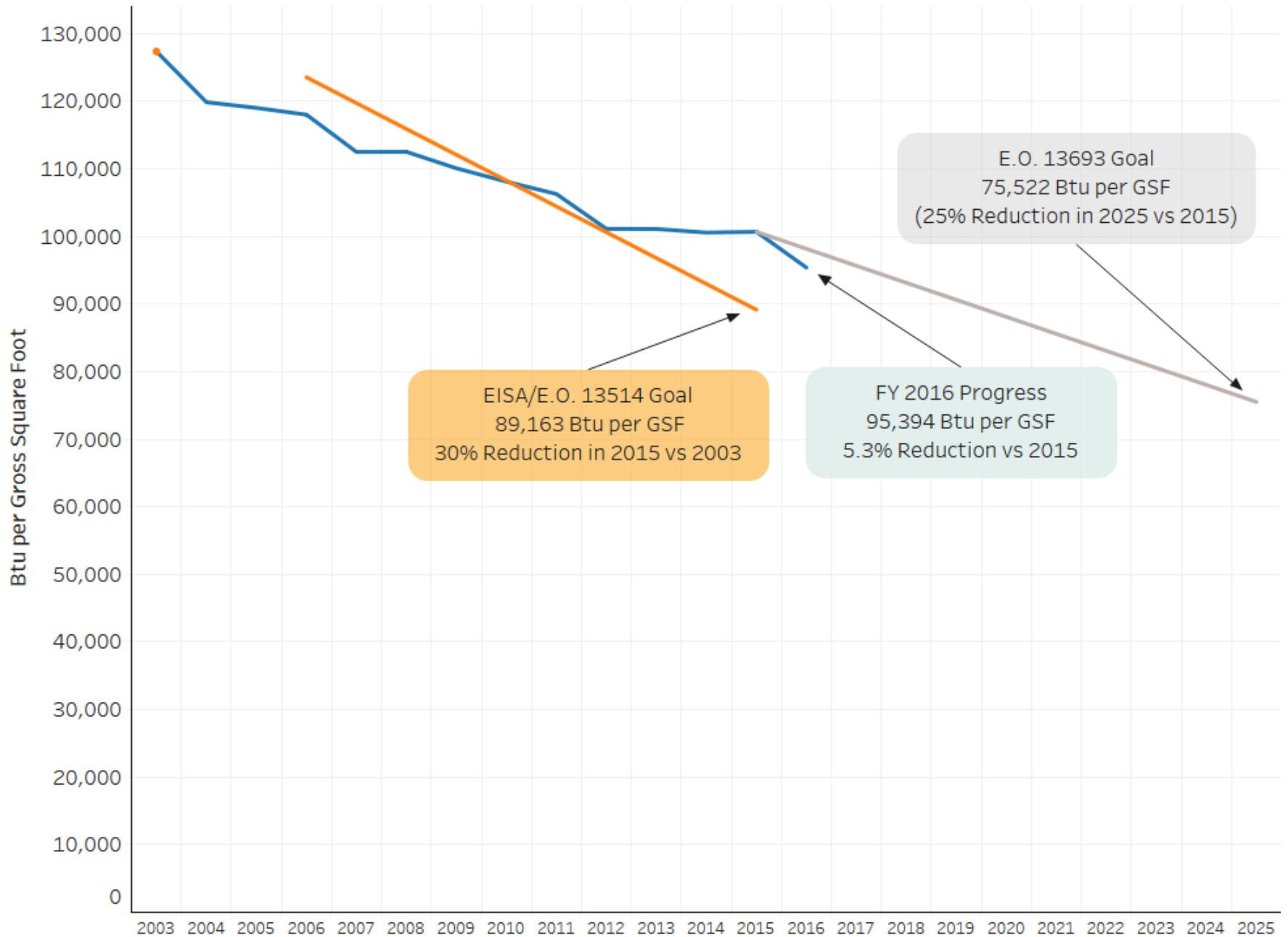


*DHS progress is 33.7% with approved baseline adjustment

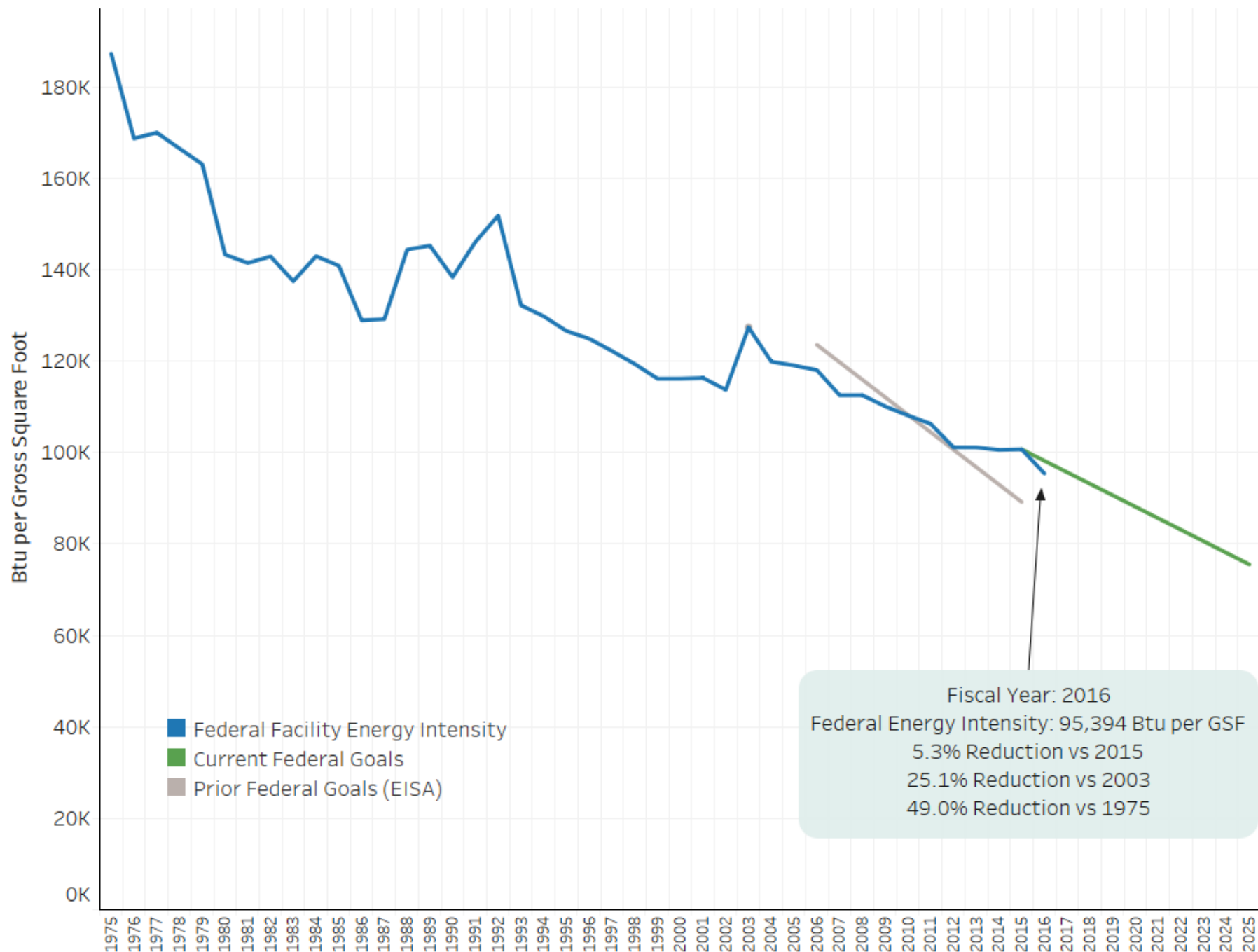
Federal Government Progress Toward Scope 3 Greenhouse Gas Reduction Goal



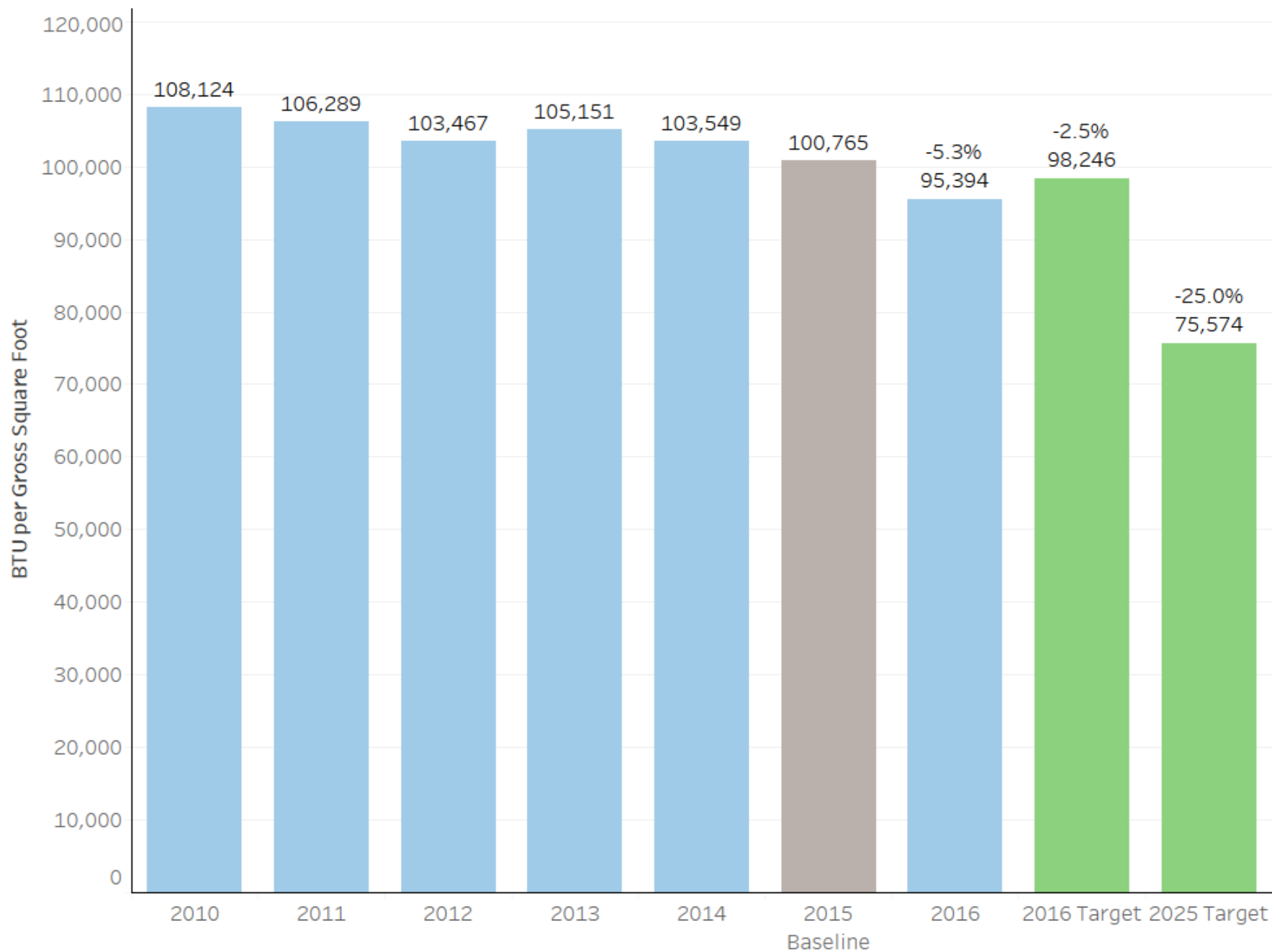
Overall Government Progress Toward Facility Energy Efficiency Goals FY 2003 - FY 2016



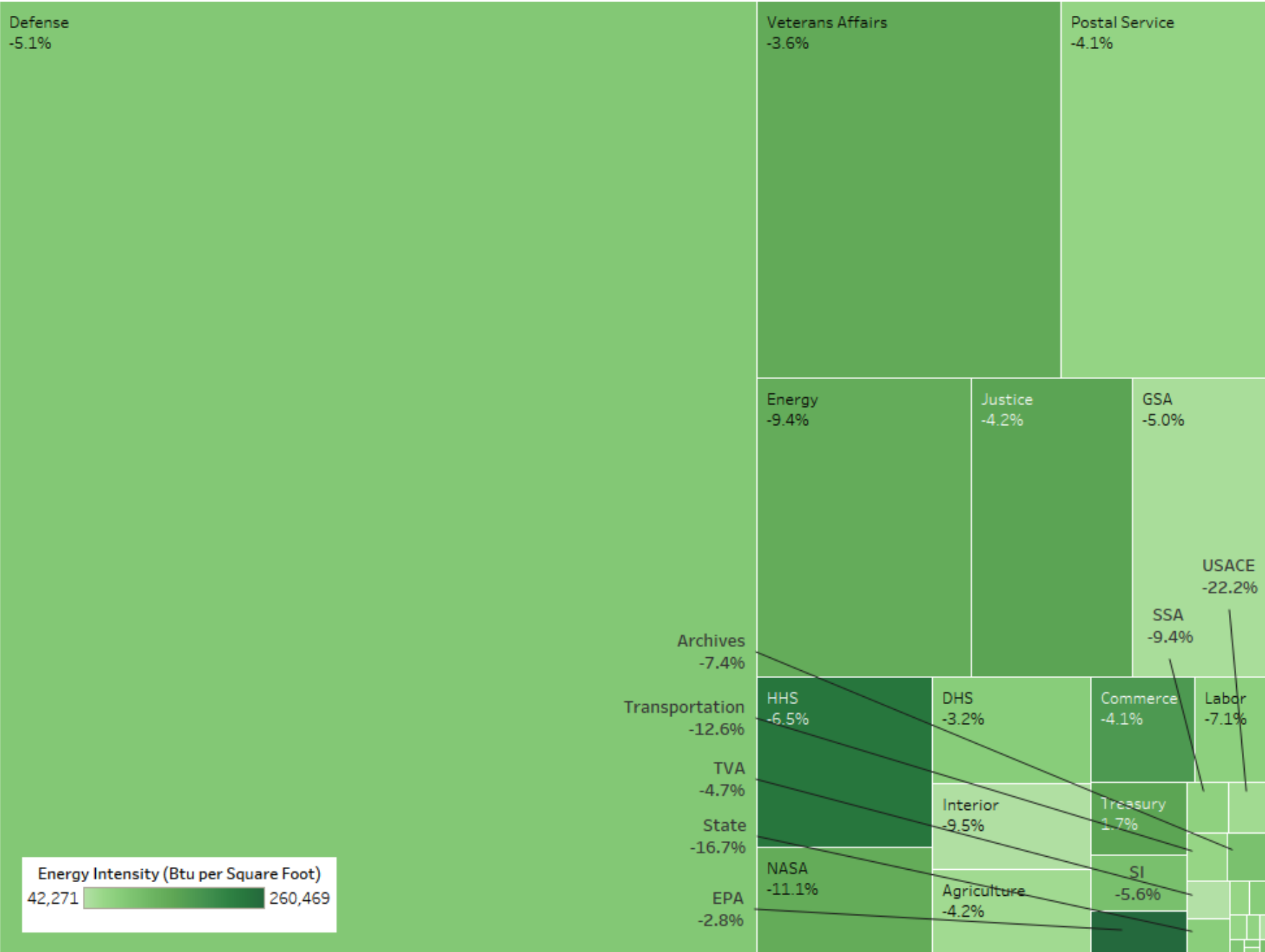
Energy Intensity Reduction Progress since 1975



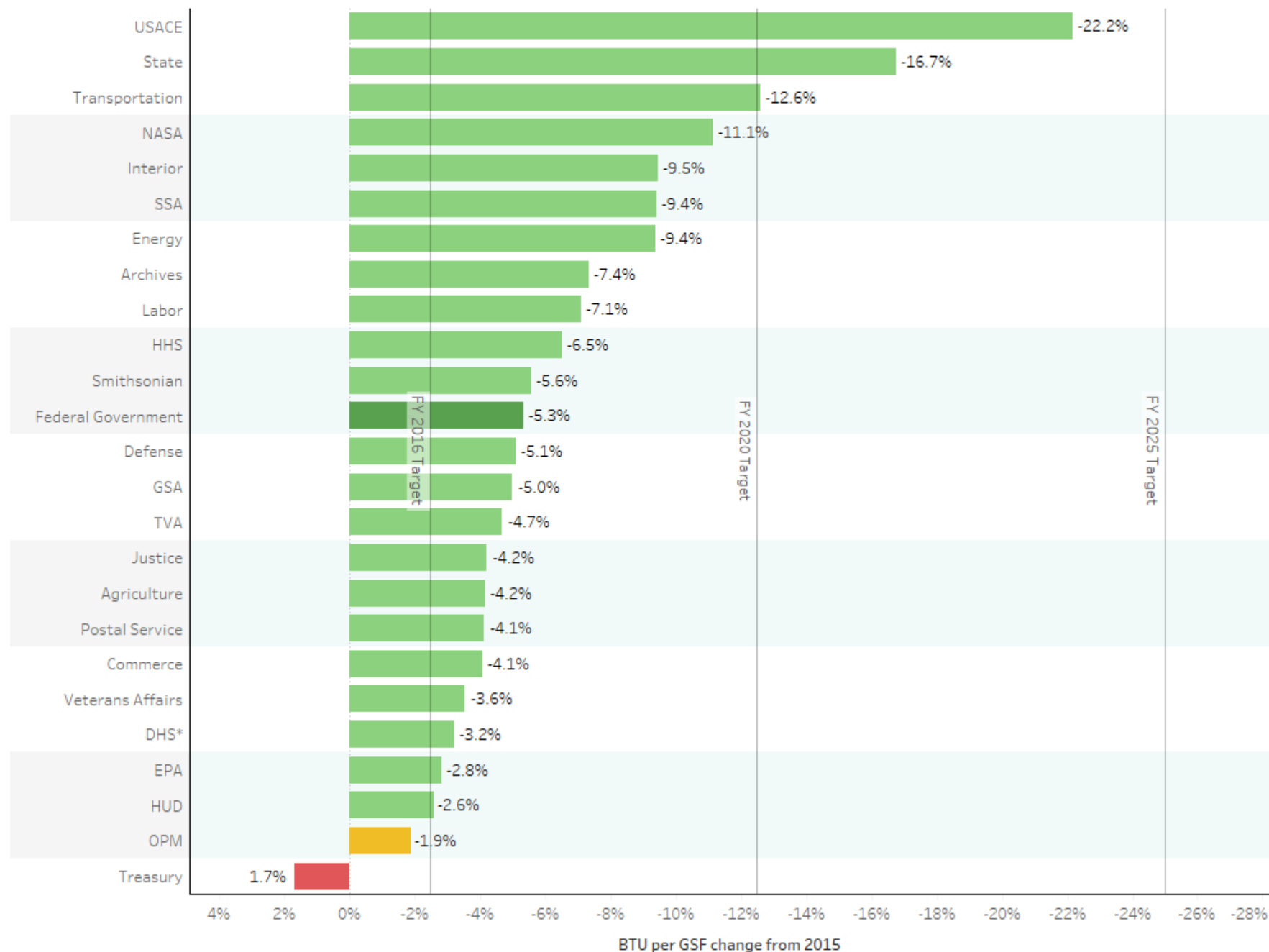
Federal Government Progress Toward Energy Intensity Reduction Goal



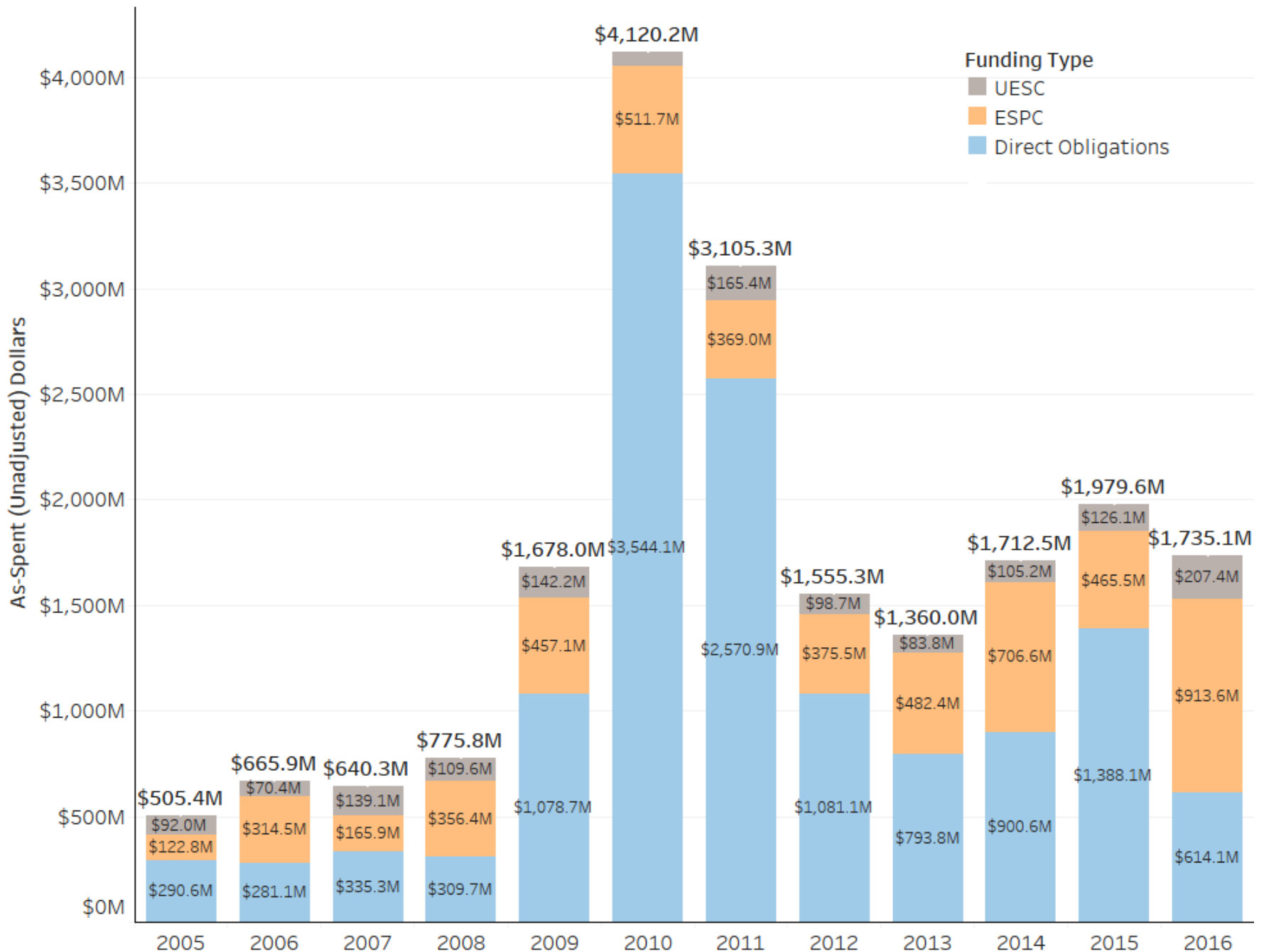
Goal Building Energy Use, Intensity and Reduction Progress 2016 vs 2015: 290 Trillion Btu



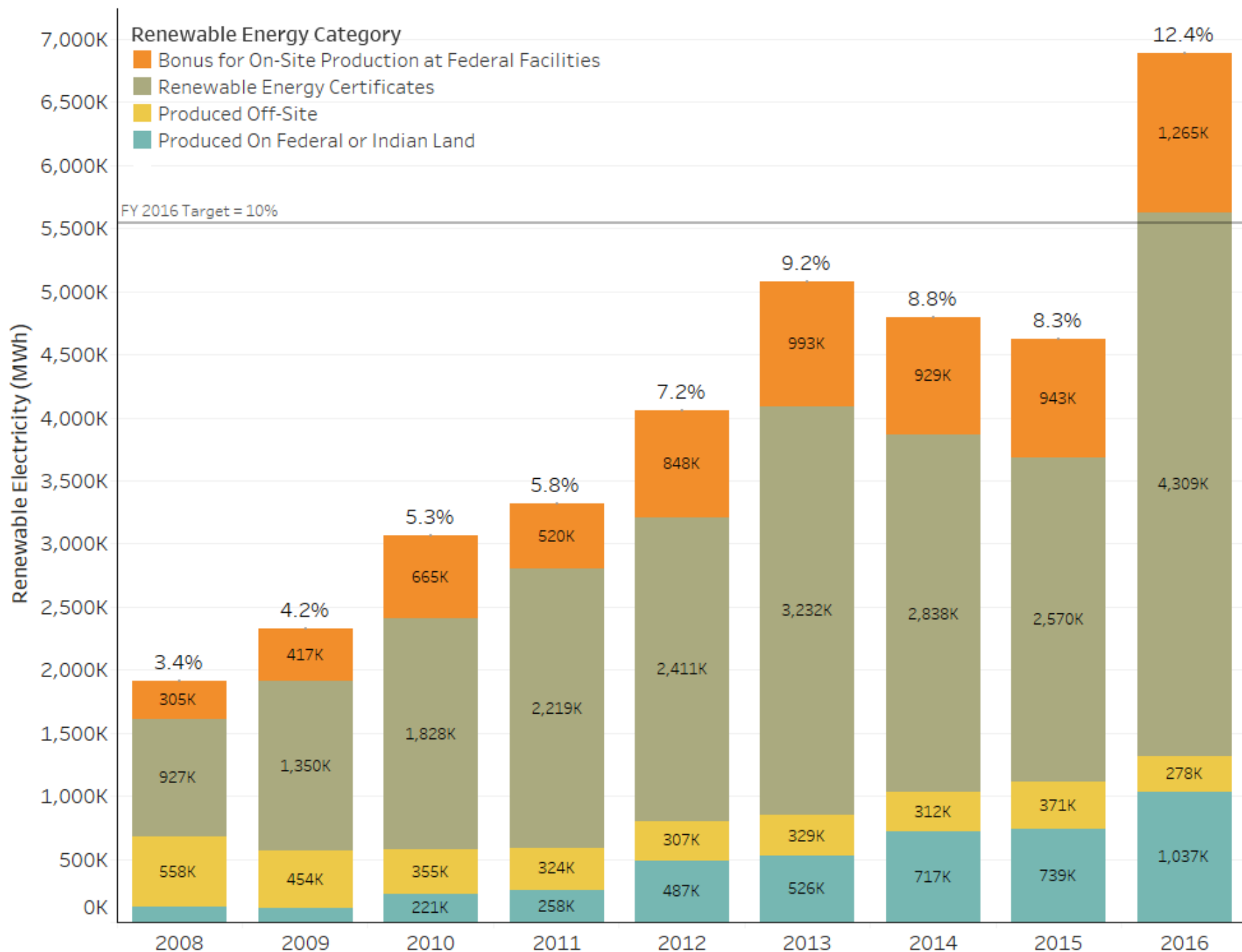
Federal Facilities: FY 2016 Agency Progress Toward Energy Intensity Reduction Goal



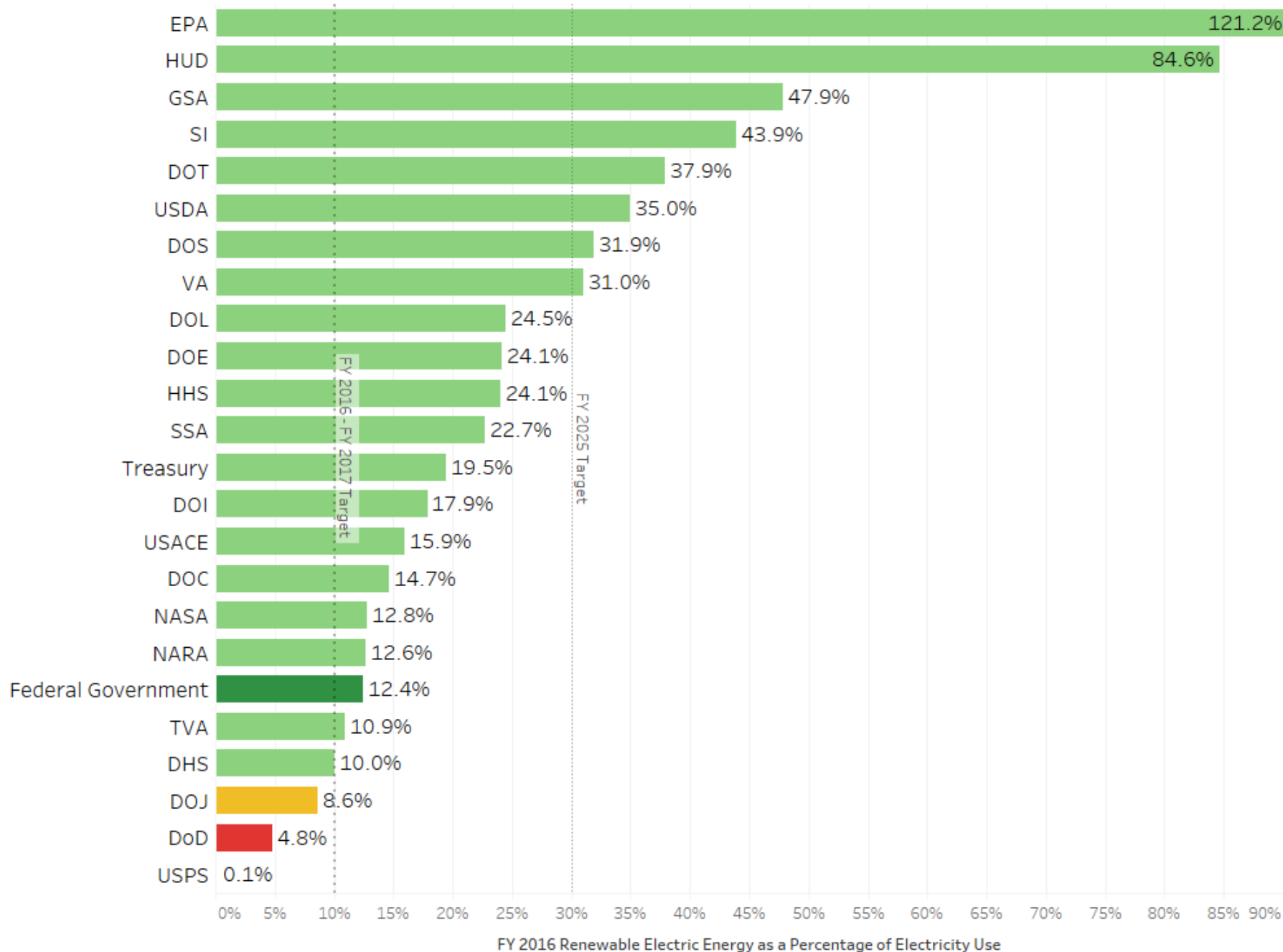
Federal Government Awarded Investment for Facility Efficiency (\$Million)



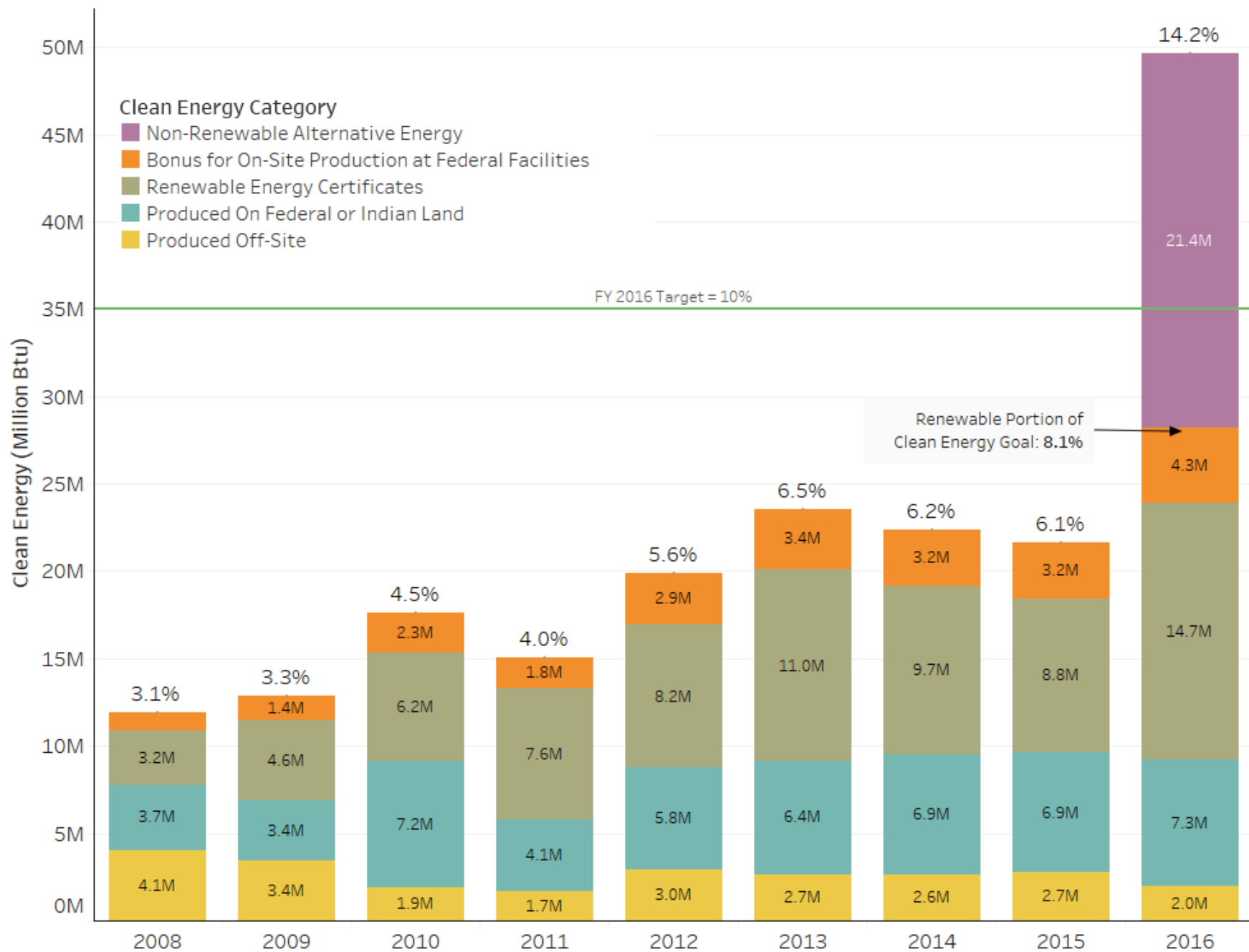
Federal Government Renewable Electricity Use as a Percentage of Facility Electricity Consumption



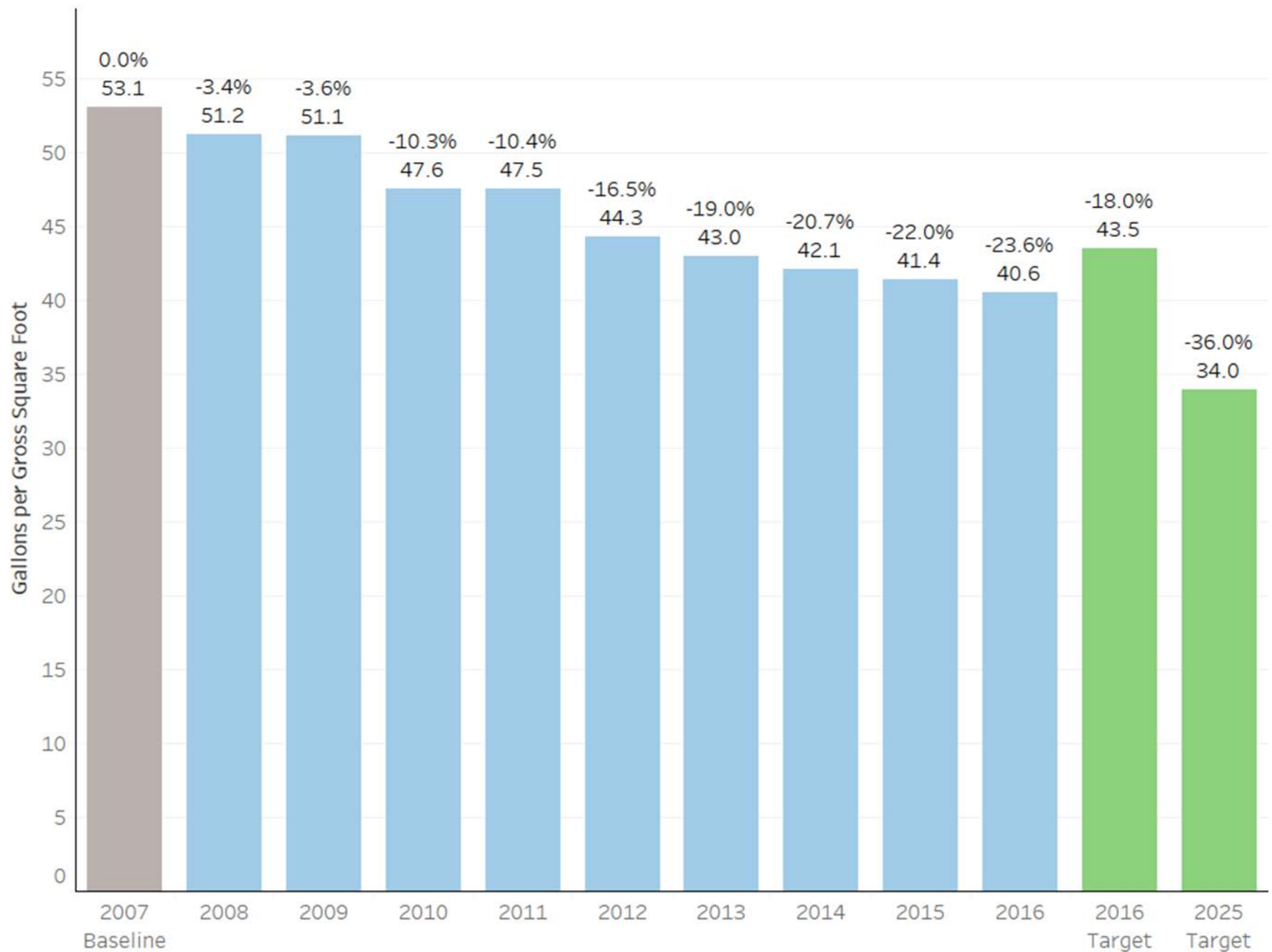
Federal Agency Progress Toward the Renewable Electricity Target



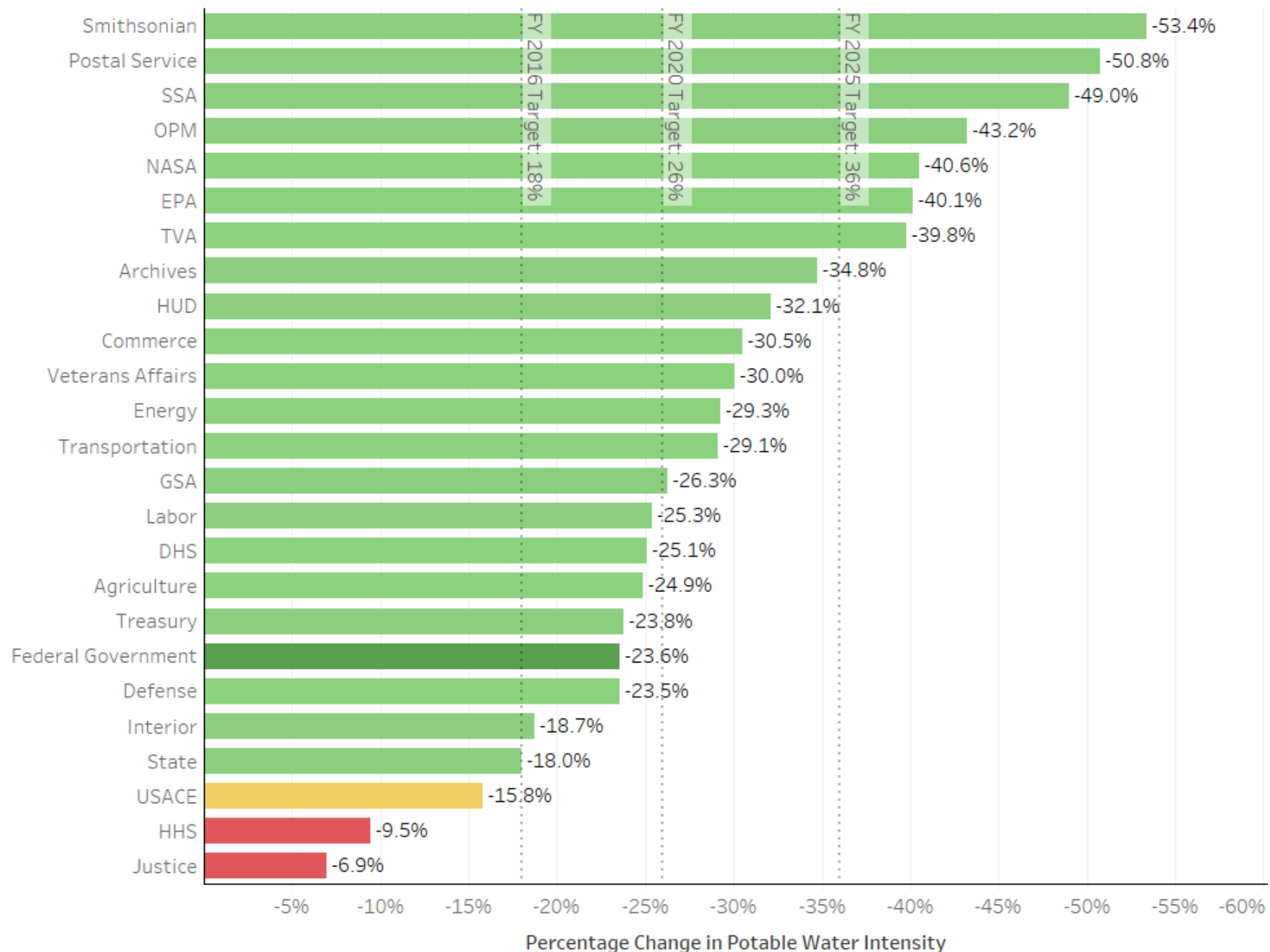
Federal Government Clean Energy Use as a Percentage of Federal Facility Energy Consumption



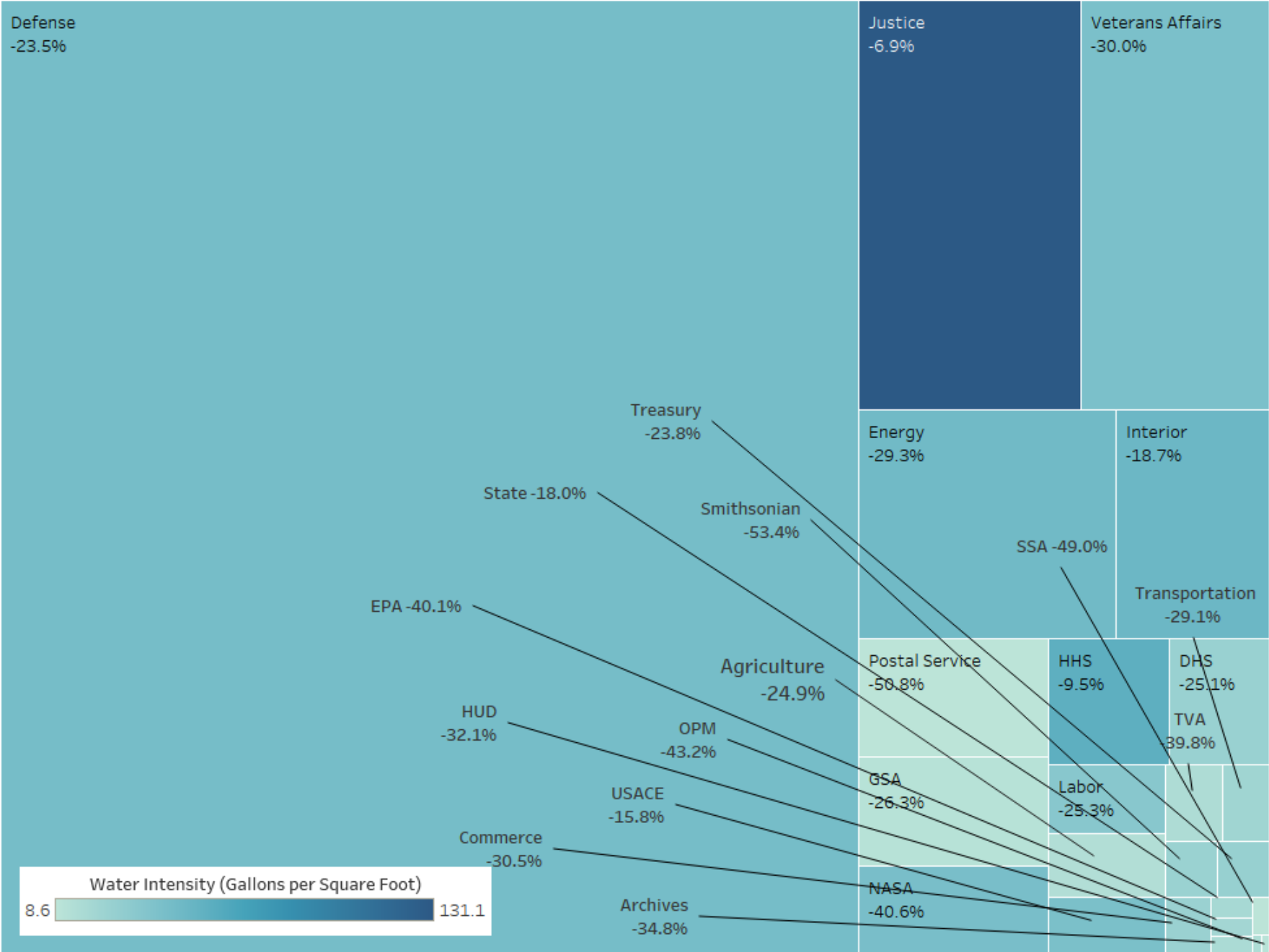
Federal Government Progress Toward the Potable Water Intensity Reduction Goal



Federal Agency Progress in Potable Water Intensity FY 2007 to FY 2016



Potable Water Use, Intensity and Reduction Percentage 2016 vs. 2007: 126 Billion Gallons



Federal Government Industrial, Landscaping and Agricultural (ILA) Water Consumption and Reductions from FY 2010

