

Mission Innovation: Prospects for Federal Energy R&D Funding

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October 27, 2016

For the Information Technology and Innovation Foundation

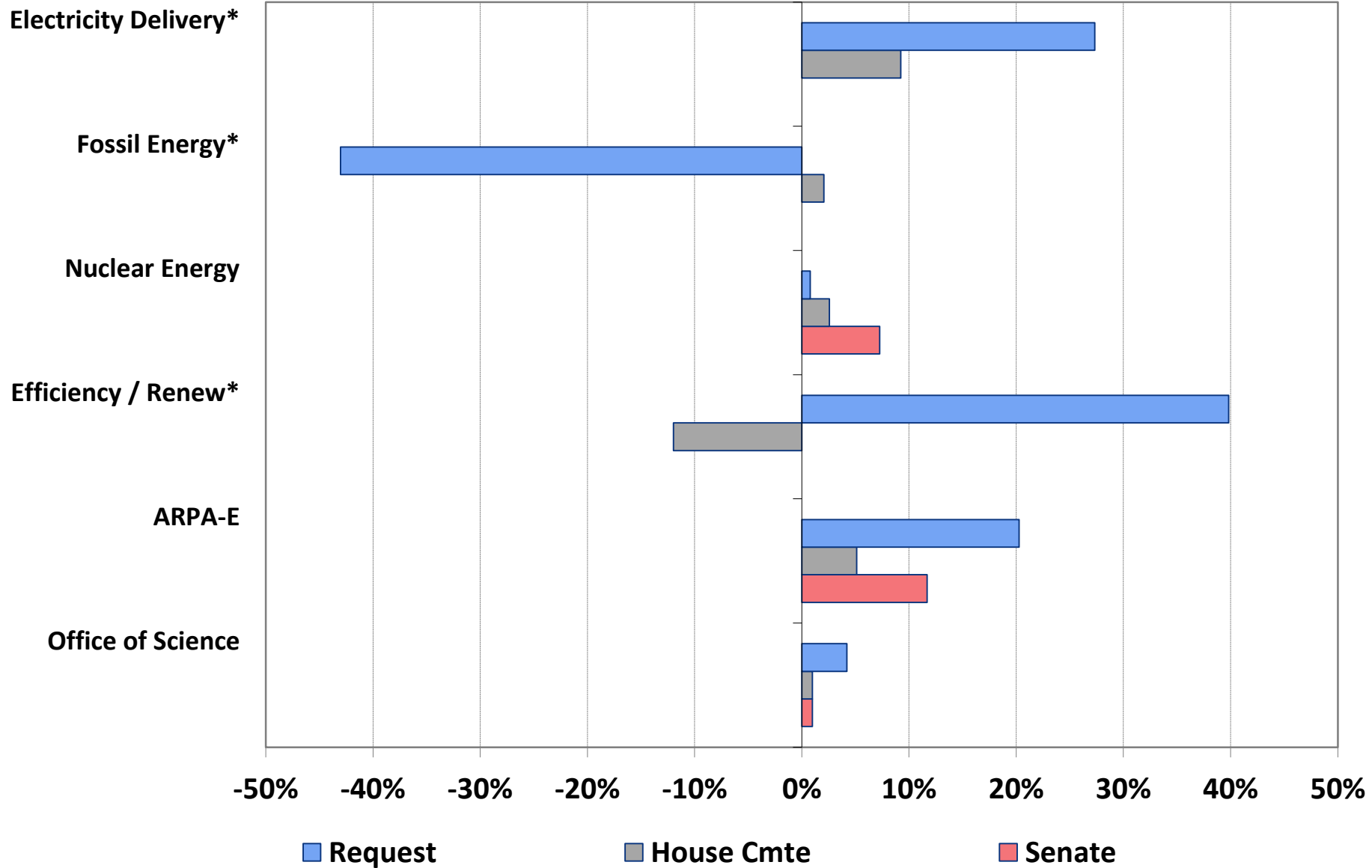
AAAS R&D Budget and Policy Program

<http://www.aaas.org/program/rd-budget-and-policy-program>



FY 2017 Energy Program Budgets

percent change from FY16 in net budget authority, nominal dollars

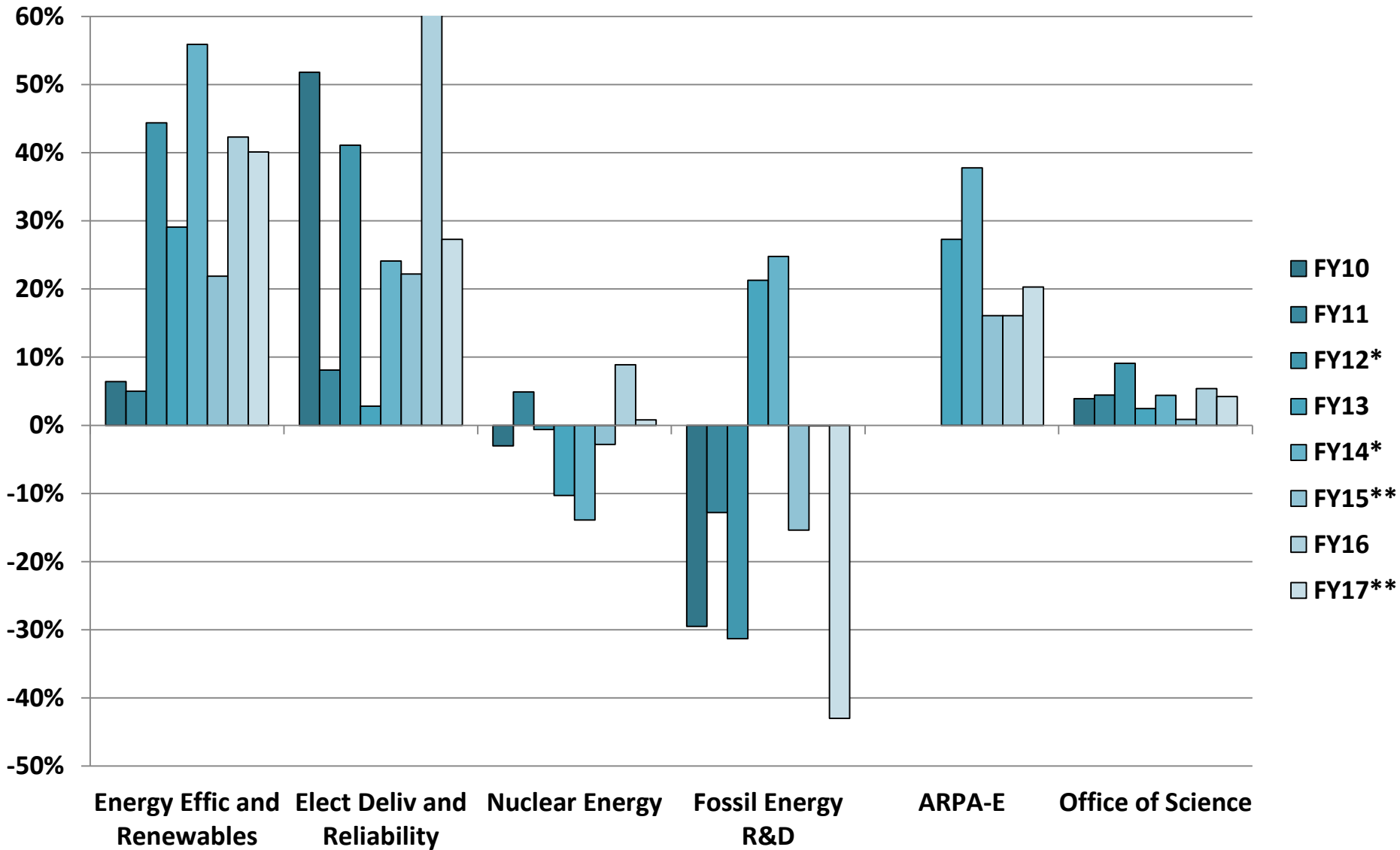


*Flat funding in Senate.

Note: The projected GDP inflation rate between FY 2016 and FY 2017 is 1.8 percent. © 2016 AAAS

Funding Requests for DOE Technology Offices

percent change in net budget authority from prior year, nominal dollars

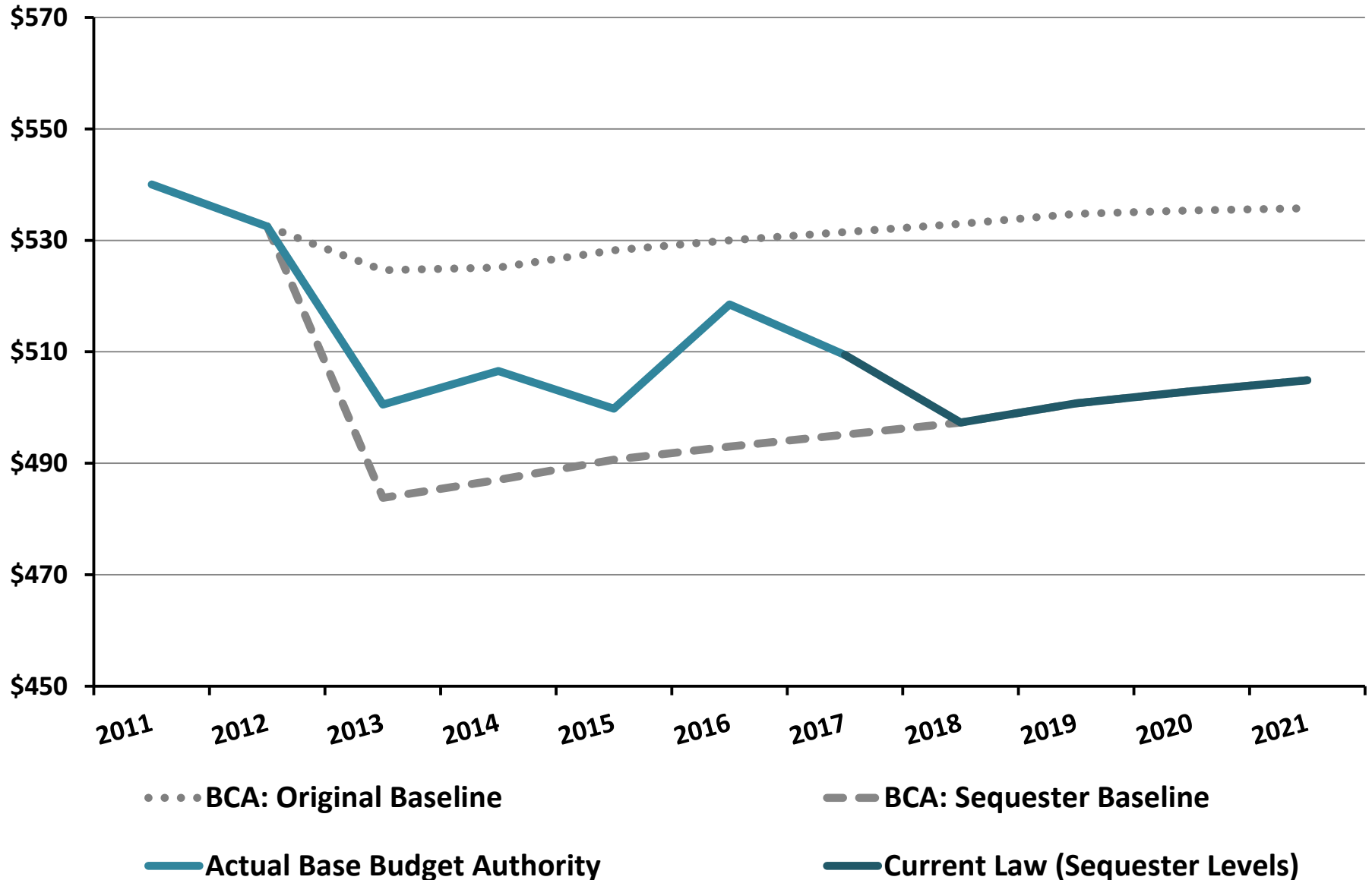


*Due to late appropriations in these years, FY12 figures use FY10 as a baseline for comparison; FY14 figures use FY12 as a baseline. This reflects the White House budget presentations from these years. **Base budgets only.

Based on DOE budget requests. © 2016 AAAS

Limits on Nondefense Spending Base

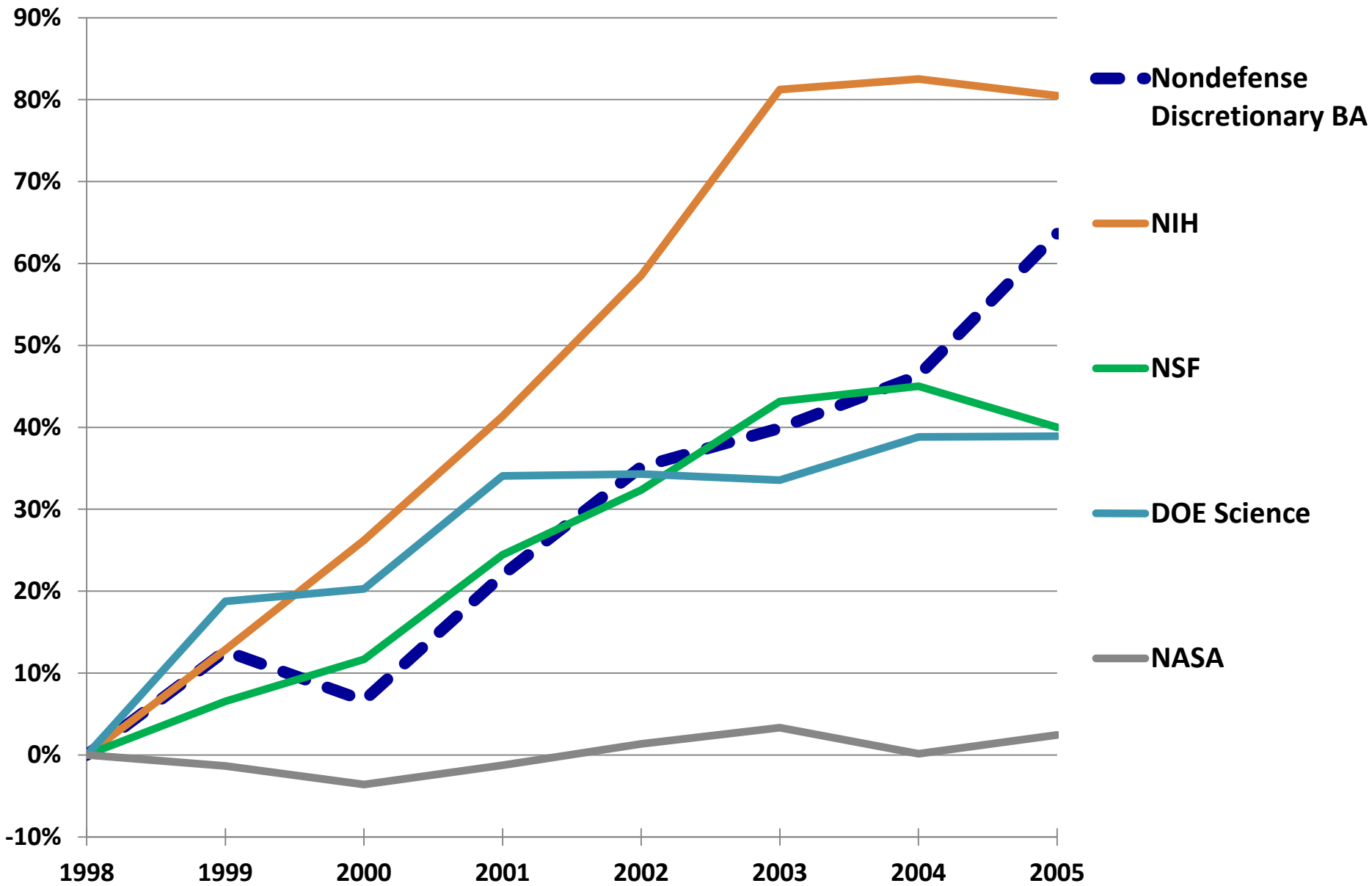
billions of constant 2016 dollars



Based on past budget resolutions, the Budget Control Act, and subsequent legislation. Adjusted for inflation using deflators from the FY17 budget request. © AAAS 2016

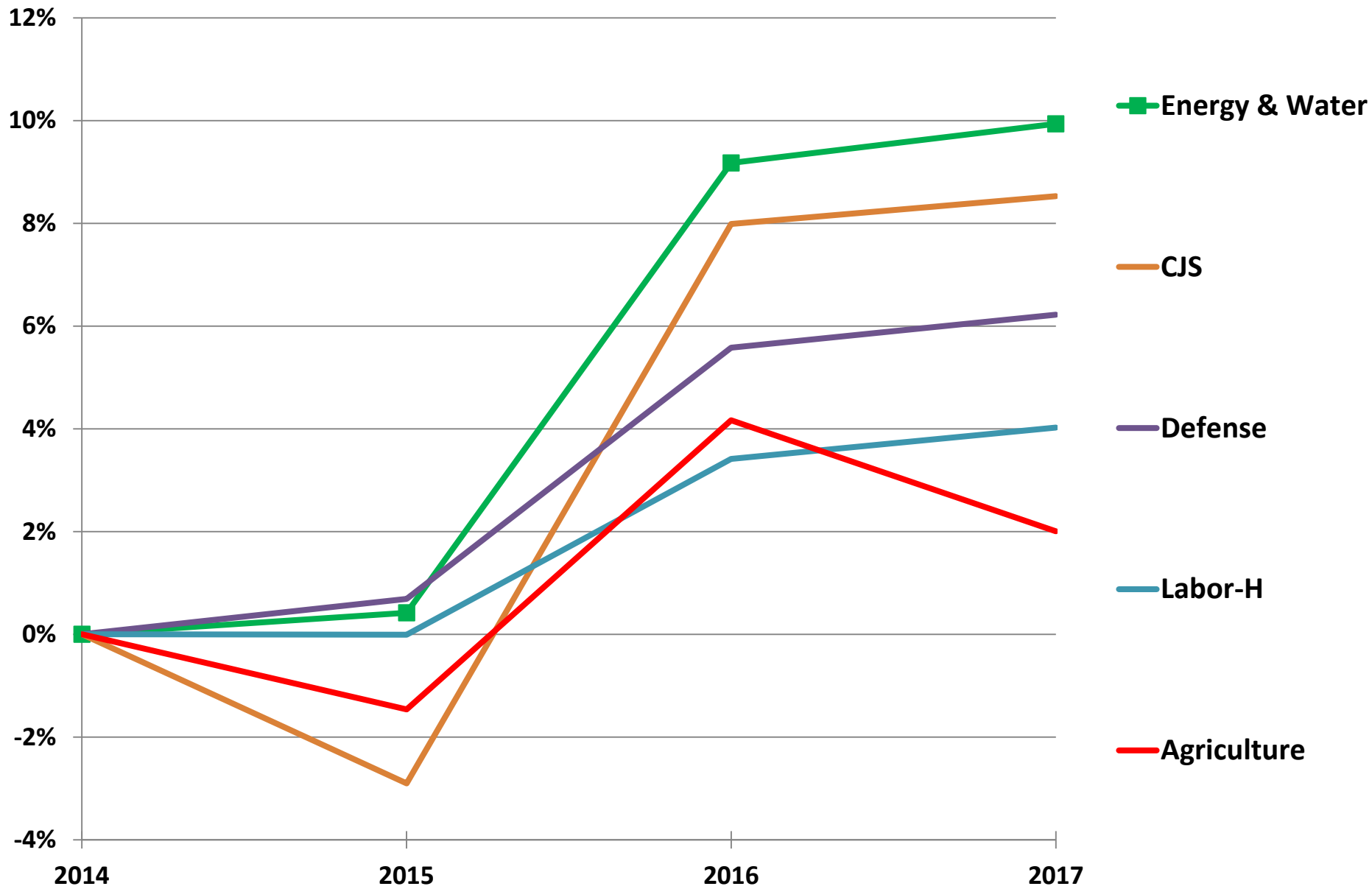
Federal Spending From FY 1998

Percent change from FY98 levels, constant dollars



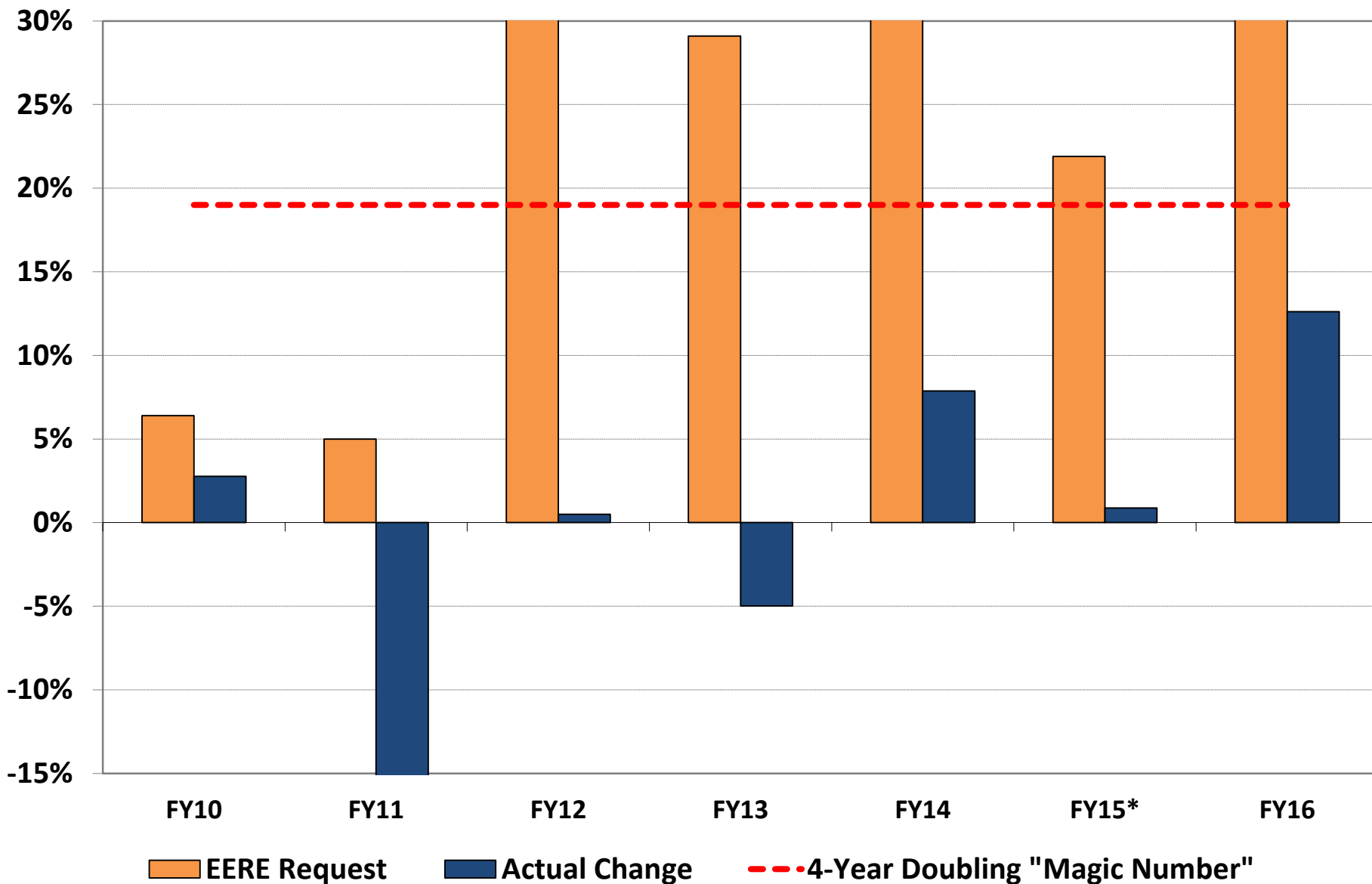
Federal Spending By Appropriations Bill

Percent change from FY14 levels, nominal dollars



Request vs. Appropriations: EERE

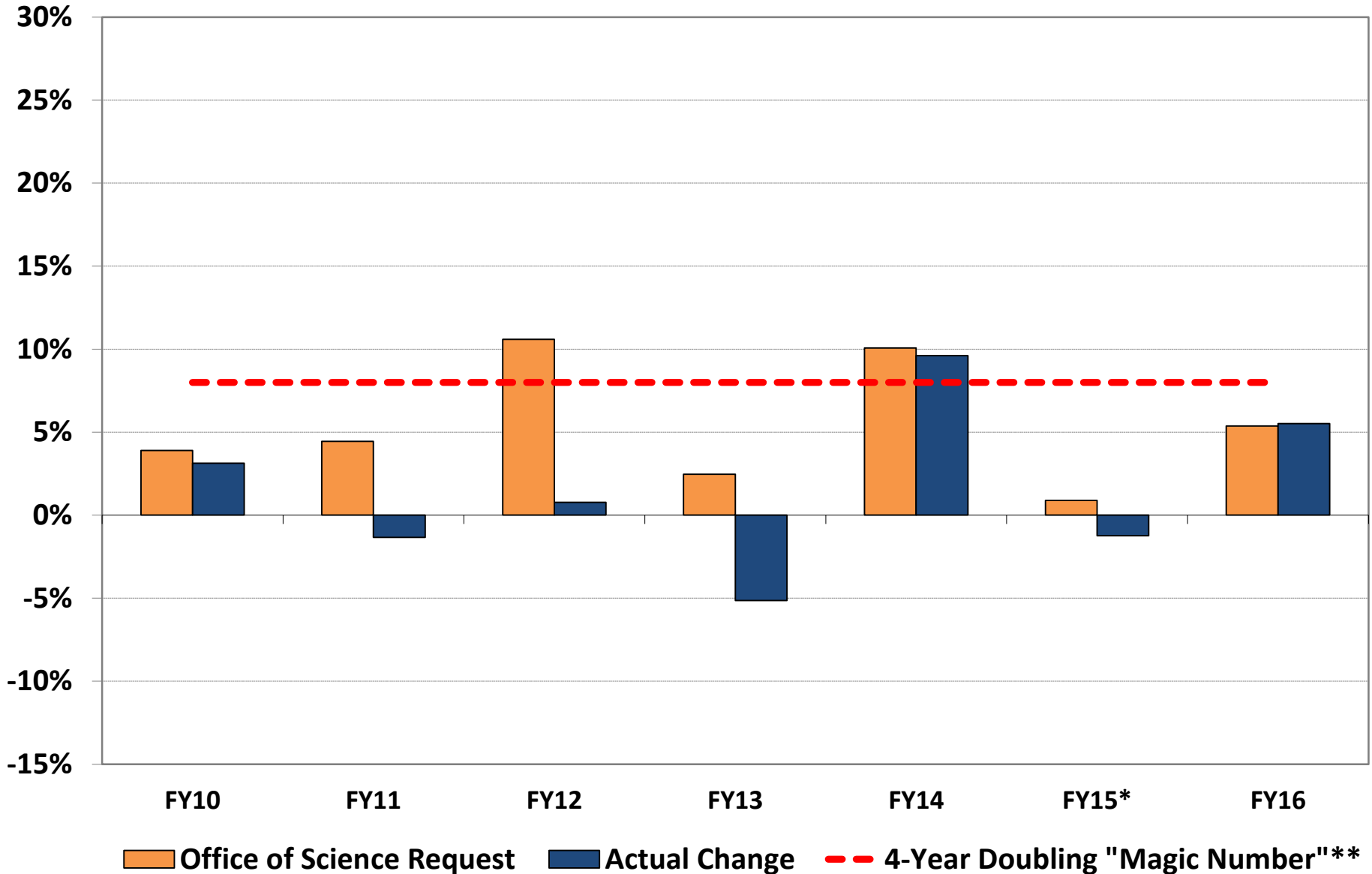
percent change from prior year, nominal dollars



*Base budget only. Based on historical agency budget data. © 2016 AAAS

Request vs. Appropriations: Office of Science

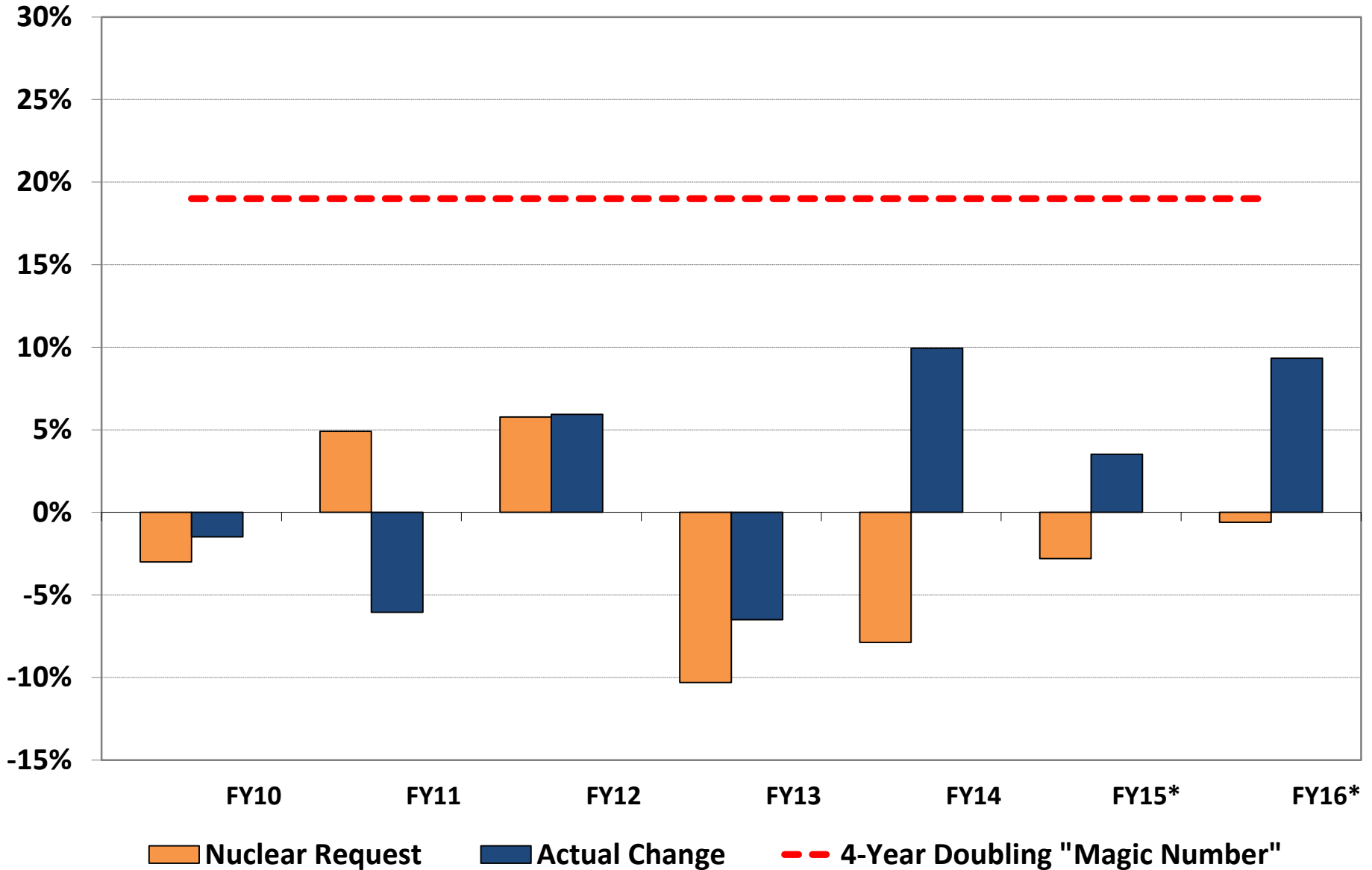
percent change from prior year, nominal dollars



*Base budget only. **Back-of-the-envelope calculation for total office budget growth necessary to double Mission Innovation-related activities while allowing all other office activities to grow at the rate of inflation. Based on historical agency budget data. © 2016 AAAS

Request vs. Appropriations: Nuclear Energy

percent change from prior year, nominal dollars



*Base budget only. Large FY15 rescission excluded from calculations. Based on historical agency budget data. © 2016 AAAS

Other Agencies in Mission Innovation



- USDA: competitive grants on the rise
- What happens with NASA aeronautics?
- NSF: has its star faded a bit?
- Major questions:
 - What happens with the discretionary budget?
 - Will the next president tweak the funding mix somewhat?
 - And will it make a difference?

For more info...



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[http://www.aaas.org/program/rd-
budget-and-policy-program](http://www.aaas.org/program/rd-budget-and-policy-program)