

S&T Funding in the New Administration & Congress

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For the ASEE Engineering Research Council

AAAS R&D Budget and Policy Program

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



Where We Are and Upcoming Milestones



FY 2017

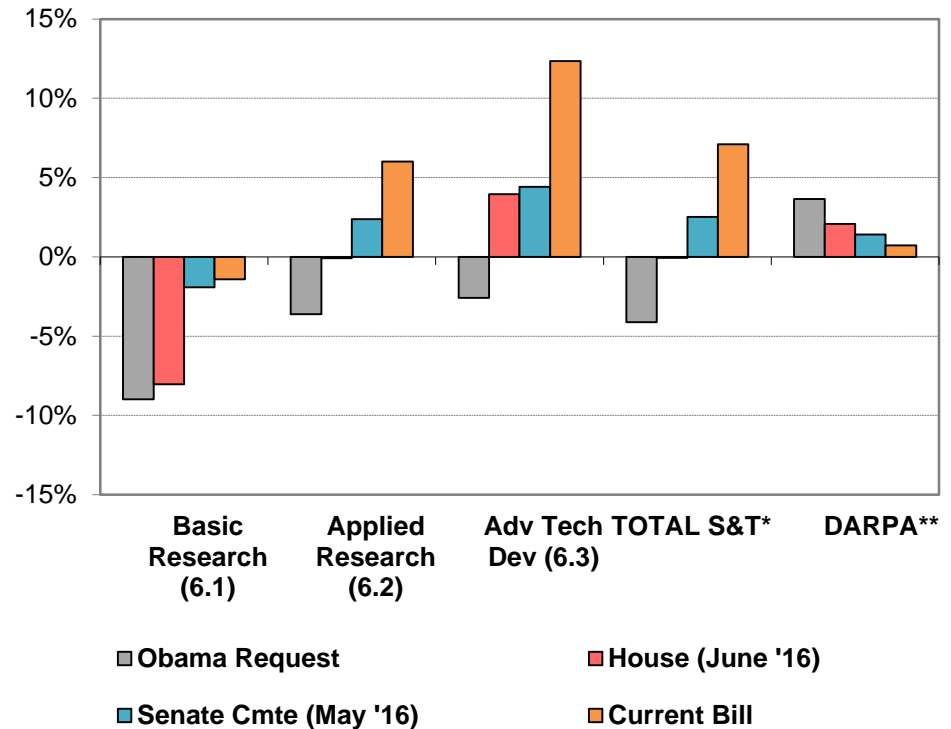
- Appropriations stuck since fall
- Trump Admin budget amendment coming in...March?
 - SecDef: 30-day readiness review, resulting in additional OCO request
- Current CR runs out April 28
- Defense Bill

FY 2018

- March 16 (next week): “skinny budget”
- Early May (?): full request
- Appropriations: typically late spring/summer, into fall...and beyond

- Also: debt ceiling deadline in March

DOD S&T in FY 2017 Appropriations
percent change from FY 2016 levels, nominal dollars

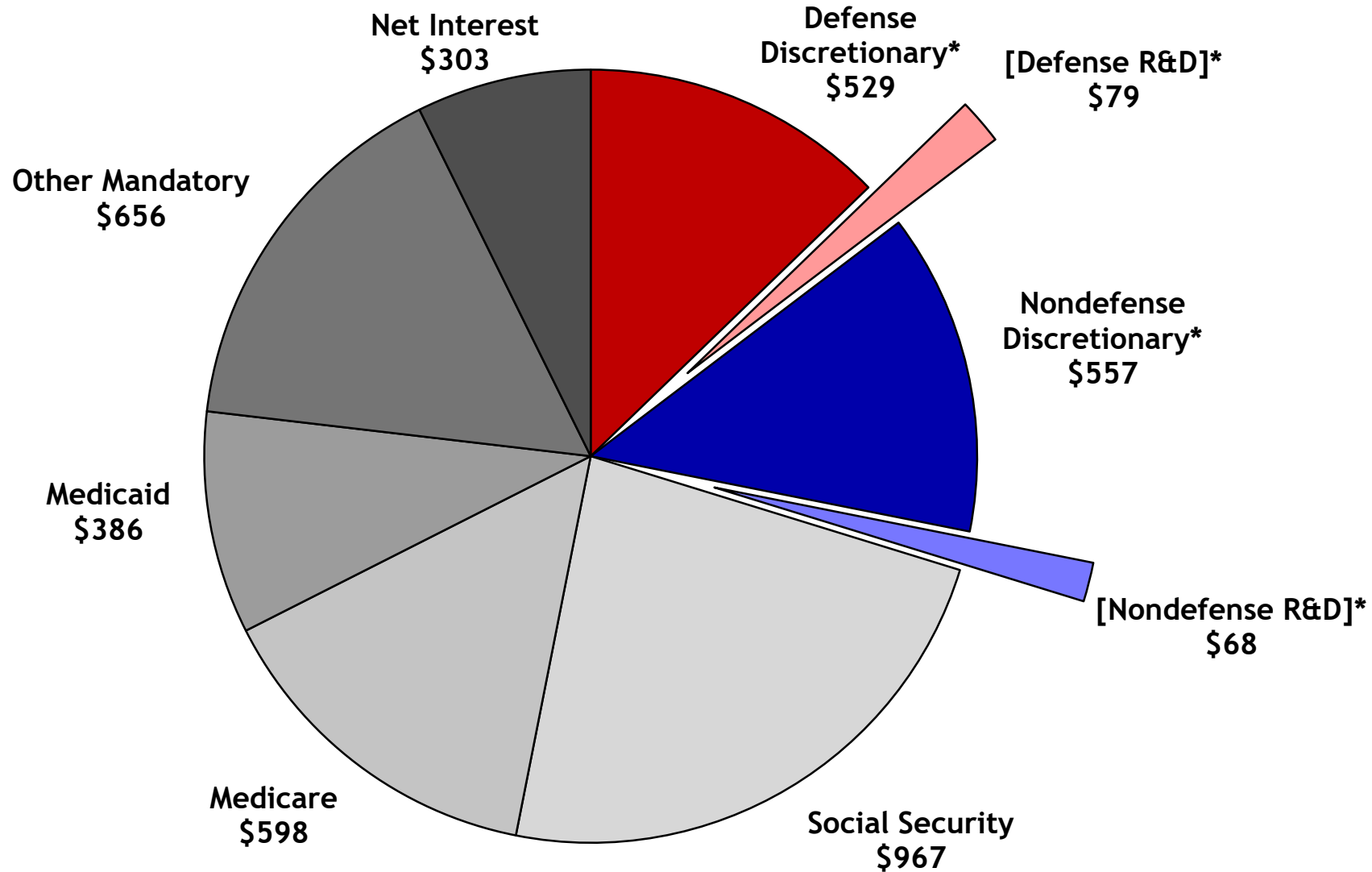


*Total S&T combines 6.1, 6.2, and 6.3. **DARPA 's budget is composed of portions of the other accounts listed above. ©2017 AAAS

Composition of the Proposed FY 2017 Budget

Total Outlays = \$4.1 trillion

outlays in billions of dollars

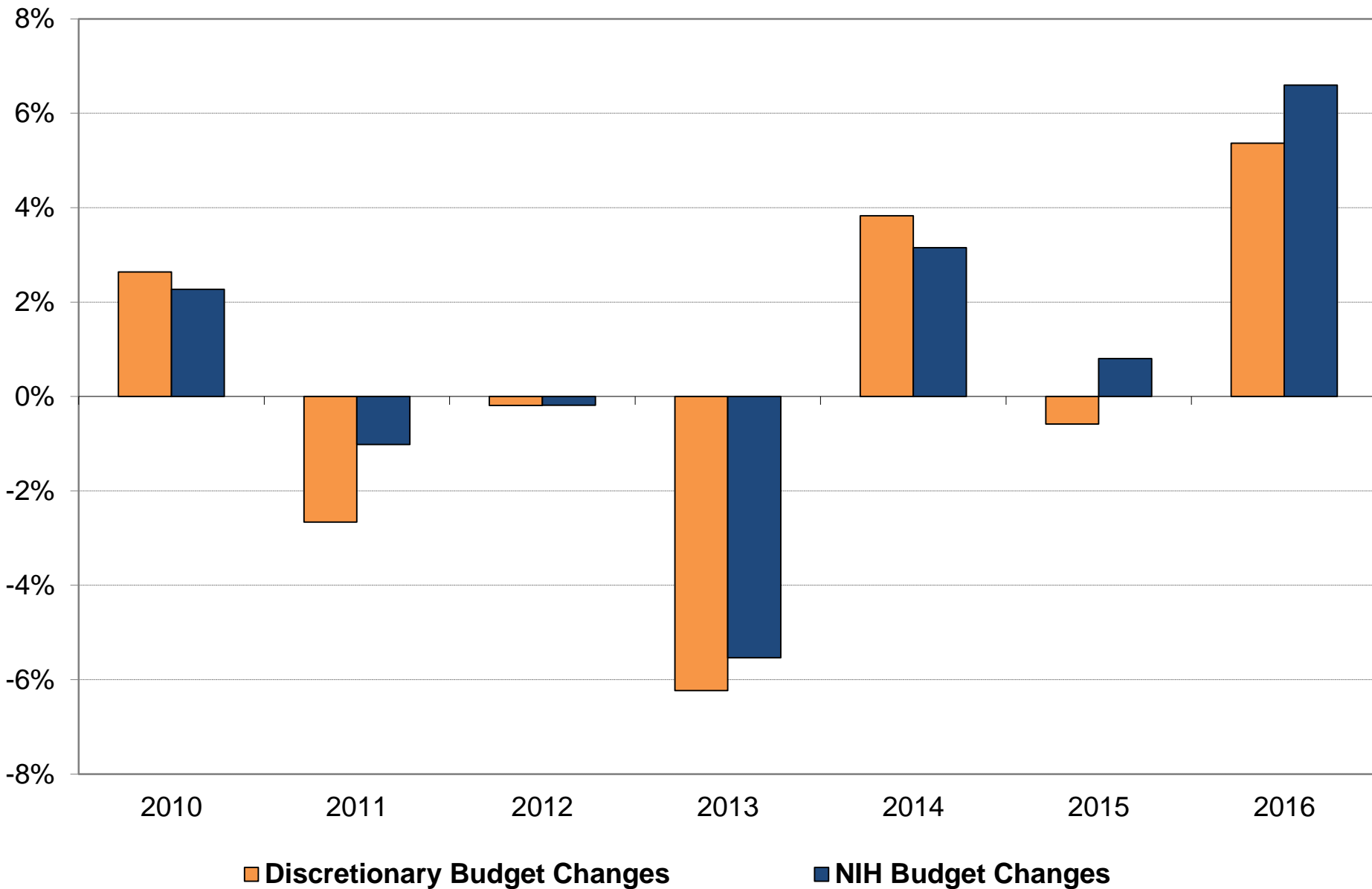


*Approximately \$4 billion for R&D is classified as mandatory spending. Figures are estimates.

Source: *Budget of the United States Government FY 2017*. Projected deficit is \$503 billion. © AAAS | Feb. 2016

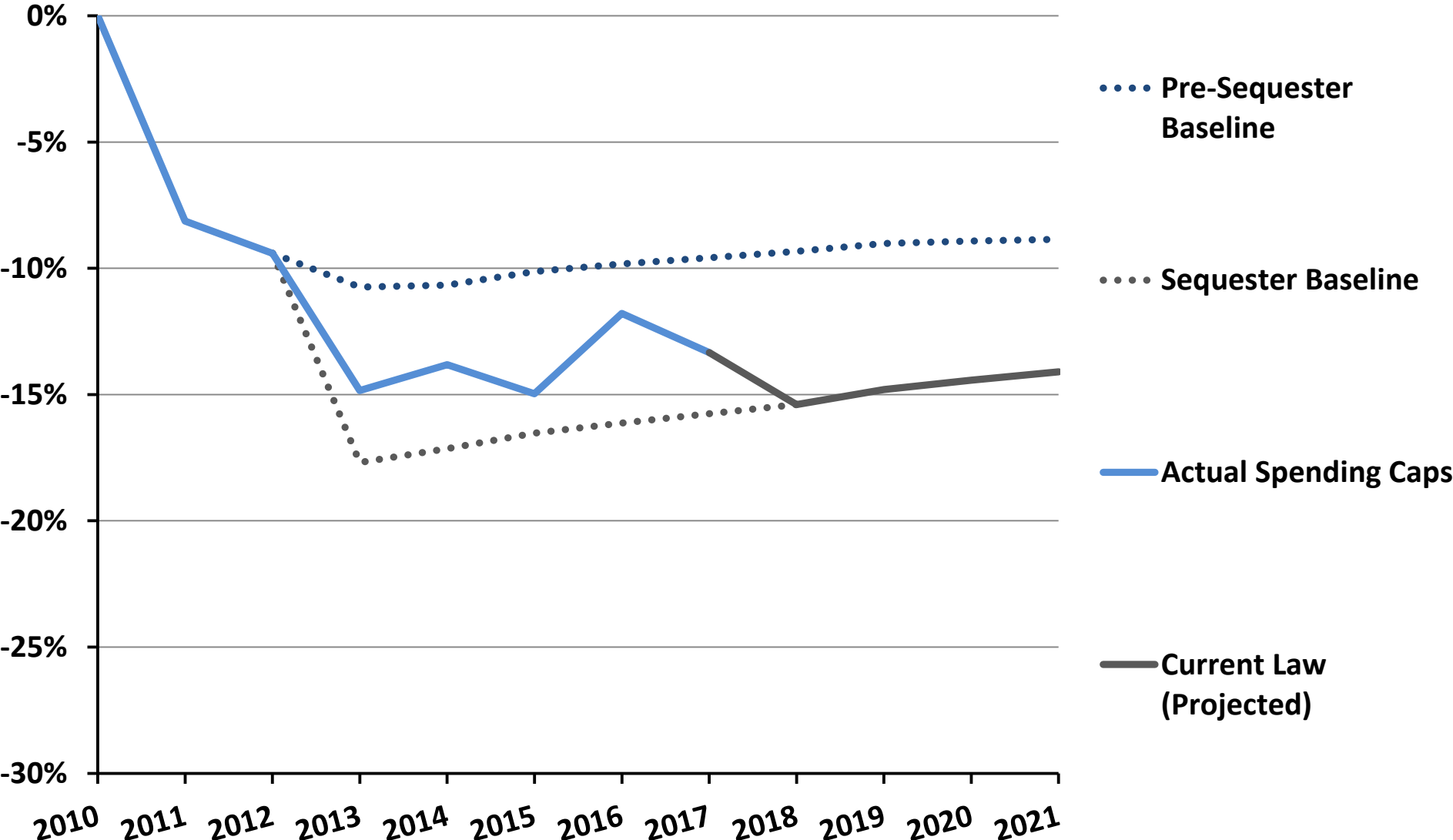
Discretionary Spending And Science Funding

percent change from prior year, nominal dollars



Limits on NONDEFENSE Spending Since 2010

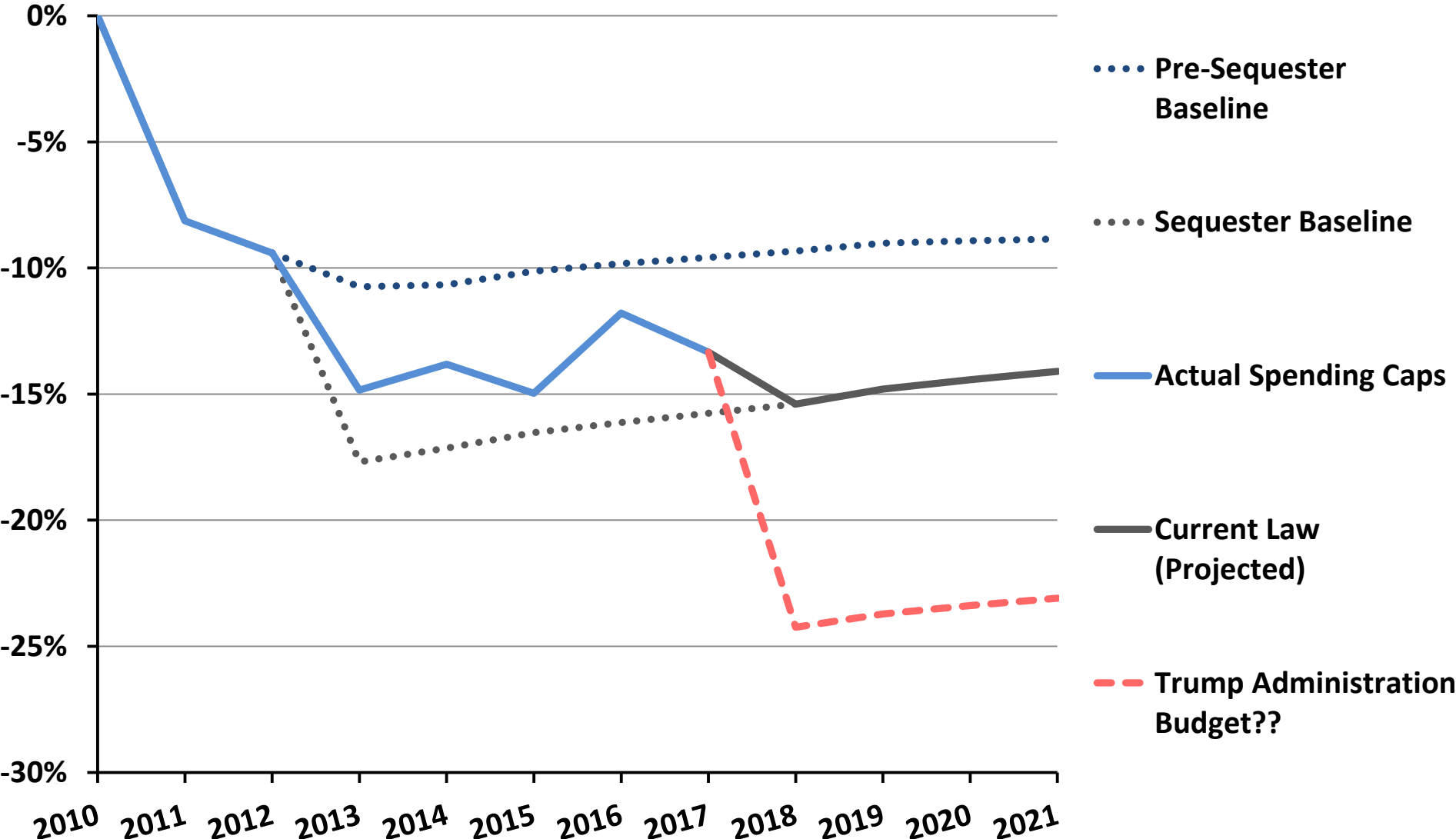
Estimated percent change from FY 2010, inflation adjusted



Based on past budget resolutions, the Budget Control Act and subsequent legislation, and comments from Trump OMB officials as reported Feb. 27. Trump Admin budget assumed to grow at sequestration-cap rate. Adjusted for inflation using deflators from the FY17 budget request. © AAAS 2017

Limits on NONDEFENSE Spending Since 2010

Estimated percent change from FY 2010, inflation adjusted



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Questions on the FY18 Science Budget

- Targets we mostly know (based on recent reporting):
 - EPA, Commerce, Interior
- Other likely targets (based on Heritage/RSC proposals)
 - Energy science and technology
 - Advanced manufacturing
- Will defense / discovery science fare relatively better?
- Rhetoric vs. reality?
 - Cabinet pushback already happening, apparently
- If the Administration seeks to blow a hole in the nondefense discretionary budget – how does Congress react?
 - Already skepticism emerging – from POTUS' own party



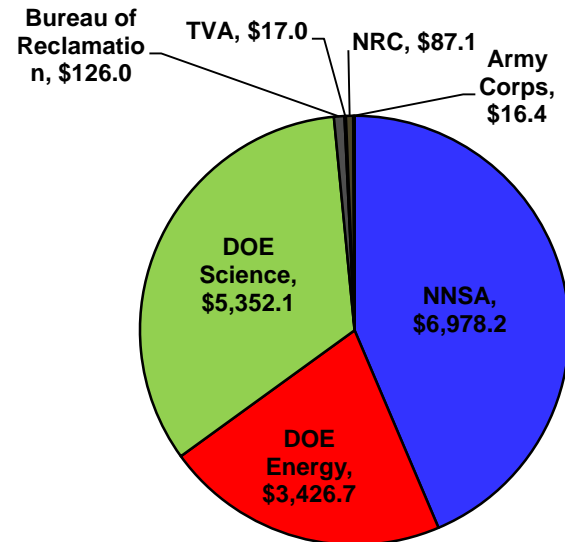
Energy & Water Subcommittee



	House	Senate
Chair	Mike Simpson (ID)	Lamar Alexander (TN)
Ranking Member	Marcy Kaptur (OH)	Dianne Feinstein (CA)

- ~\$40 billion
- Challenge: balancing basic research, DOE tech portfolio, NNSA; also Army Corps, Bureau of Reclamation
- Questions:
 - What happens to applied tech?
 - Does support for science programs (physics, bio, others) continue?

R&D: Senate Energy & Water Subcommittee
AAAS estimates in millions of dollars



R&D includes conduct of R&D and R&D facilities. © 2016 AAAS

Labor, HHS, Education Subcommittee

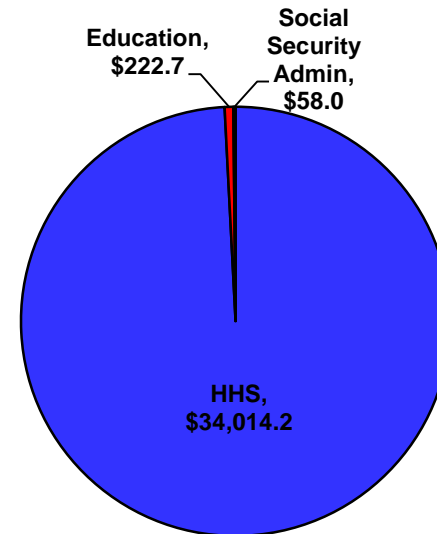


	House	Senate
Chair	Tom Cole (OK)	Roy Blount (MO)
Ranking Member	Rosa DeLauro (CT)	Patty Murray (WA)

- >\$150 billion
- Deep divisions over public health programs, education, DOL
- Usually one of the hardest to pass, thus usually one of the last out of the gate
- Everybody likes NIH lately
 - Especially Alzheimer's research
 - Cancer moonshot?

R&D: Senate Labor-H Subcommittee

AAAS estimates in millions of dollars



R&D includes conduct of R&D and R&D facilities. © 2016 AAAS

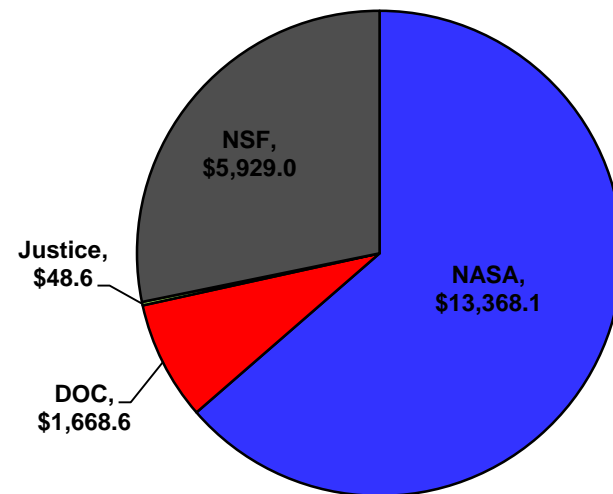
Commerce, Justice, Science Subcommittee



	House	Senate
Chair	John Culberson (TX)	Richard Shelby (AL)
Ranking Member	Jose Serrano (NY)	Jeanne Shaheen (NH)

- ~\$55 billion
- Challenge: balancing Depts. of Justice and Commerce, NASA, NSF
- Questions:
 - NSF: social and geo science funding? Facilities?
 - NASA: what happens to earth science? Human spaceflight? (and where do we go?)
 - Commerce: What happens to NOAA climate research and NIST commercial technology programs?

R&D: House CJS Subcommittee
AAAS estimates in millions of dollars



R&D includes conduct of R&D and R&D facilities. © 2016 AAAS

For more info...



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