

The Science Budget in 2018

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For the Council on Government Relations

AAAS R&D Budget and Policy Program

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



Elements in recent play:

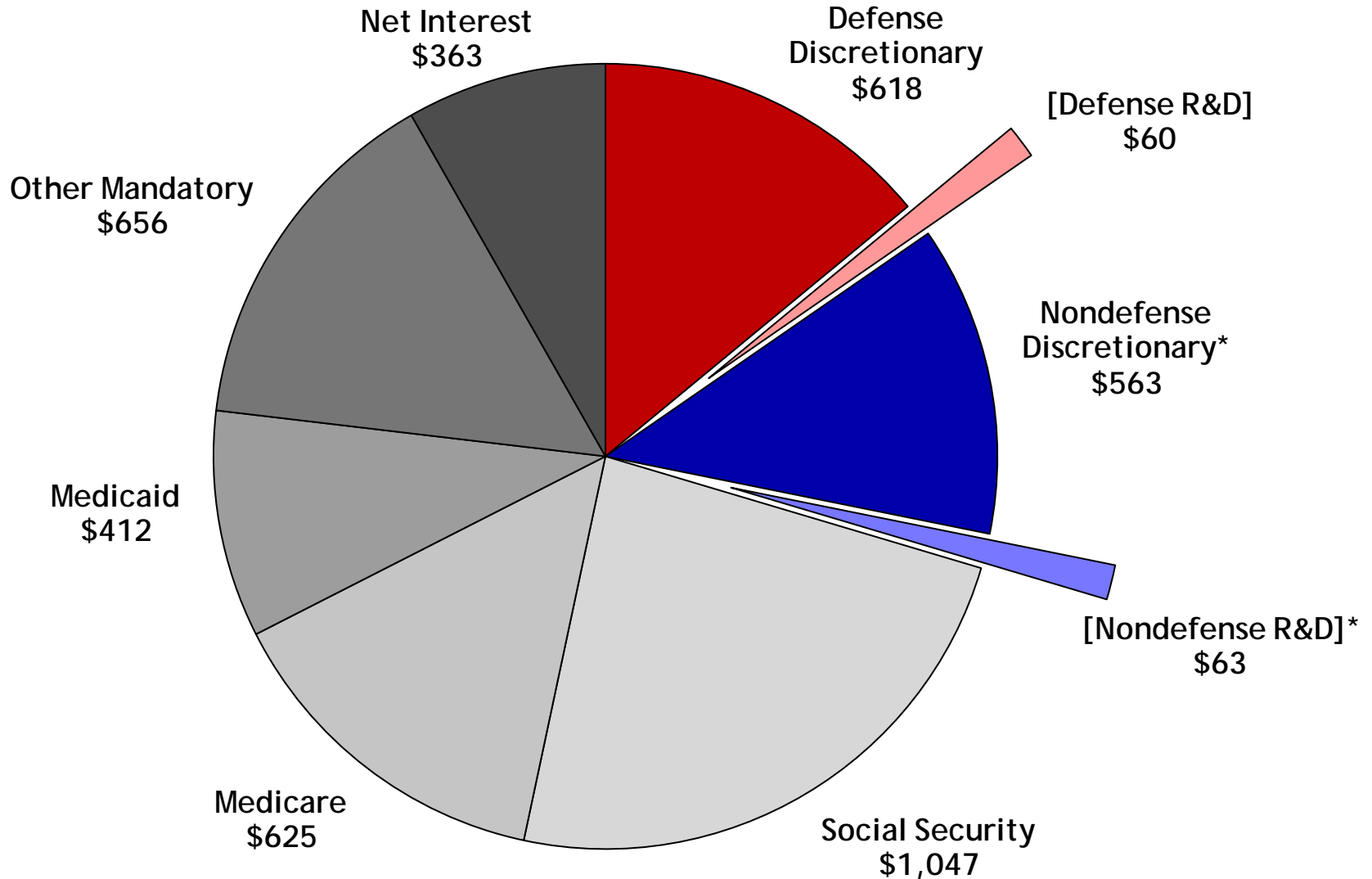


- The Budget Deal (the Bipartisan Budget Act of 2018). Which leads into...
- FY 2018 Appropriations (briefly lapsed twice, but negotiations now underway – resolved in a few weeks?)
- The new White House budget for FY 2019, released last week

Composition of the Proposed FY 2019 Budget

Total Outlays = \$4.4 trillion

outlays in billions of dollars

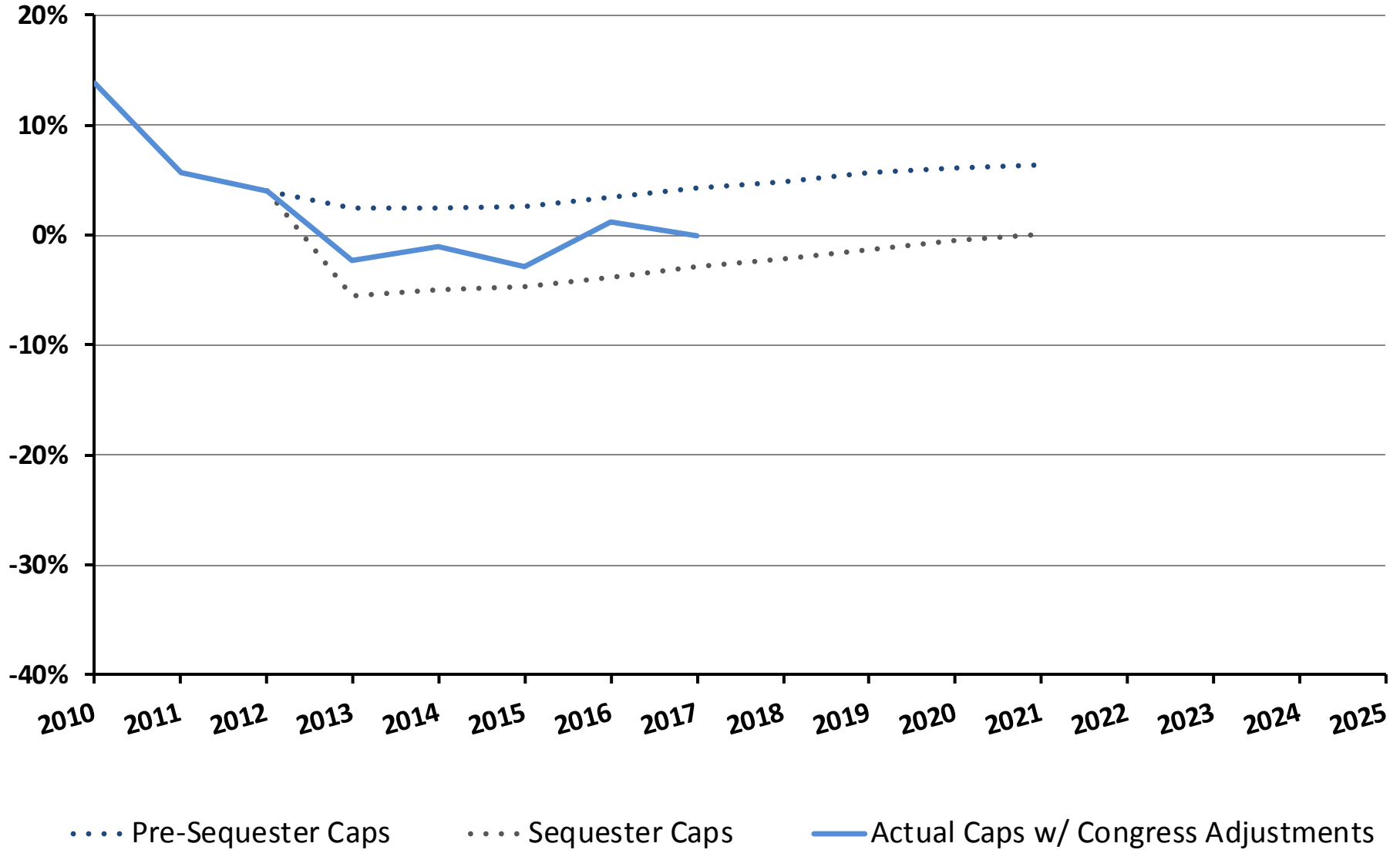


*Totals do not include last-minute additions of several billion dollars in response to passage of the Bipartisan Budget Act of 2018.

Source: *Budget of the United States Government FY 2019*. Projected deficit is \$984 billion. © AAAS 2018

Limits on NONDEFENSE Spending

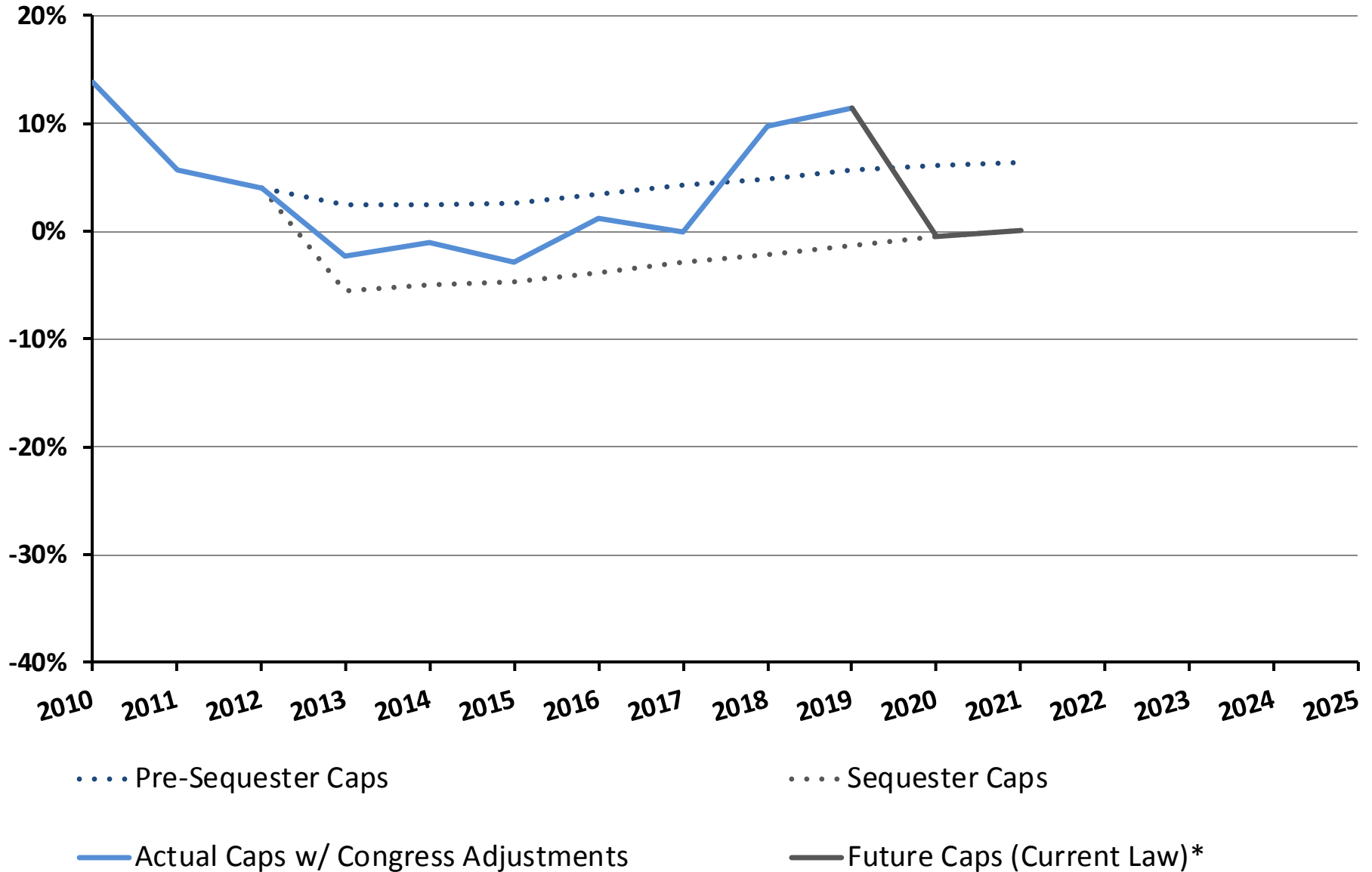
Estimated percent change from 2017, inflation adjusted



*Current caps last through 2021. Based on past and current budget resolutions, the Budget Control Act and subsequent legislation, and the FY 2019 OMB summary tables. © AAAS 2018

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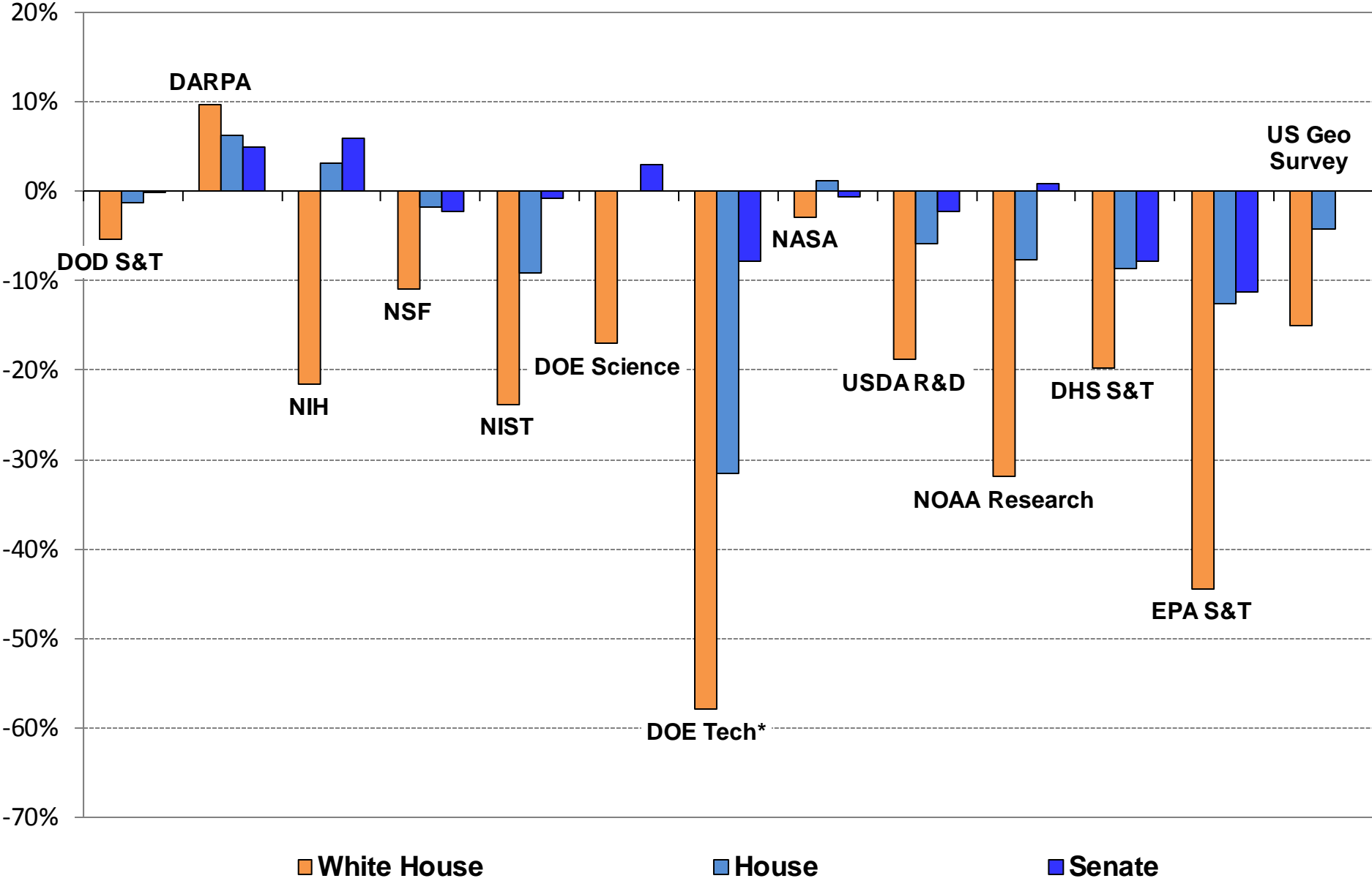
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Select Science & Tech Agencies and Programs in the FY 2018 Budget

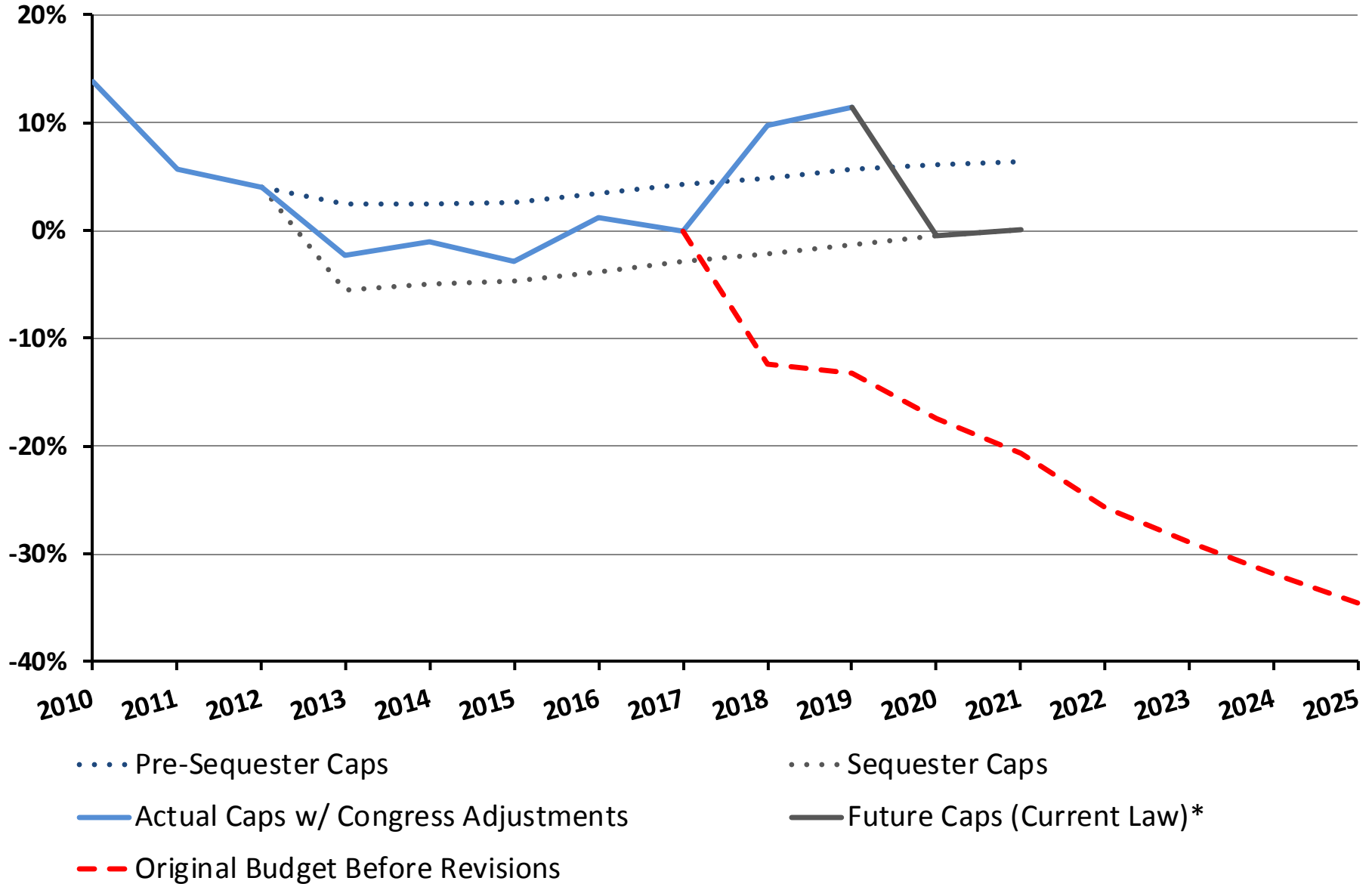
Estimated percentage change from FY 2017 enacted levels, nominal dollars



*Includes renewables and efficiency, nuclear, fossil, grid research, ARPA-E. Based on the FY 2018 budget request, the FY 2017 omnibus, and current appropriations. | AAAS

Limits on NONDEFENSE Spending

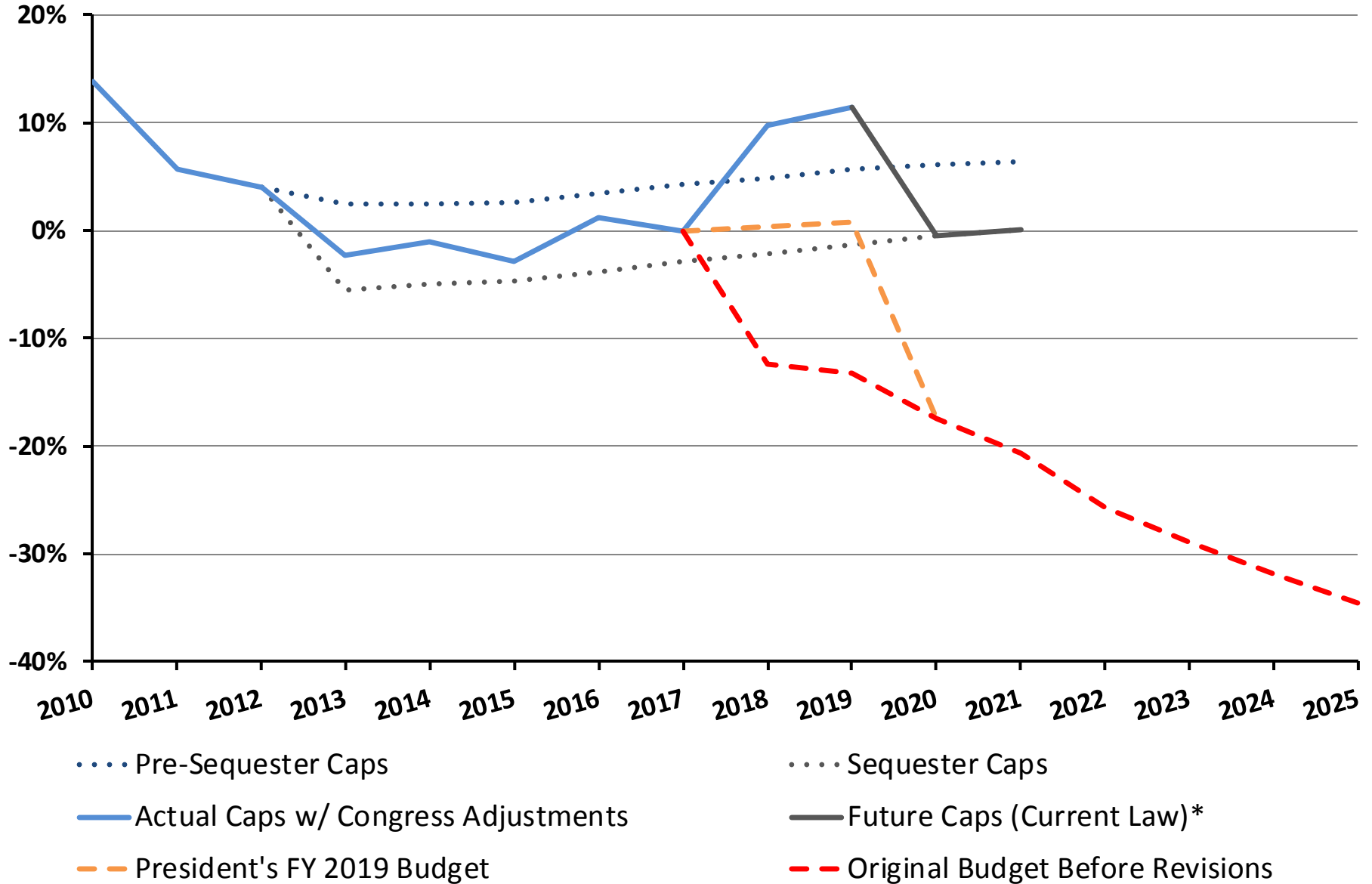
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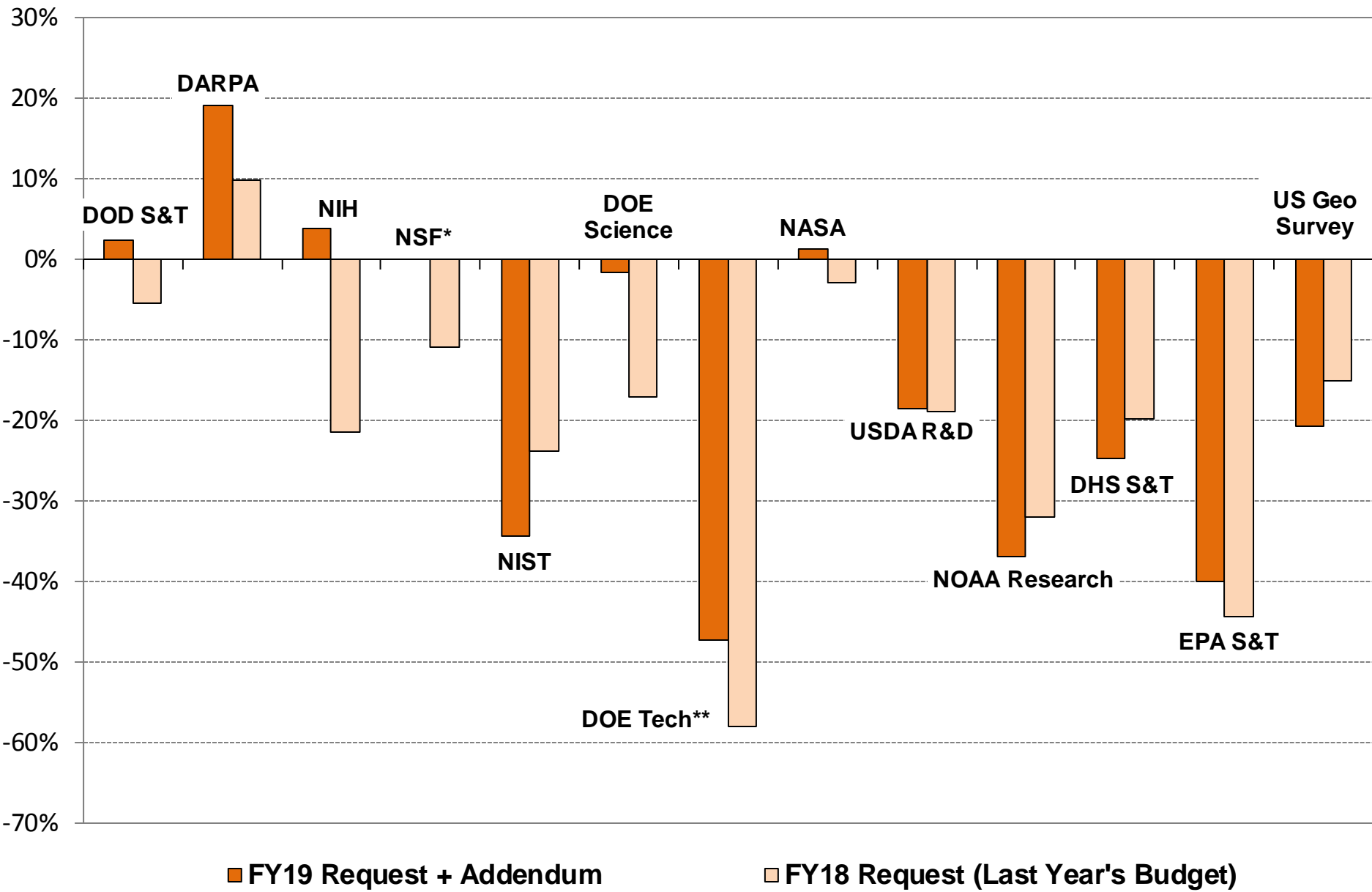
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Select Science & Tech Agencies and Programs in the FY 2019 Budget

Estimated percentage change from FY 2017 enacted levels, nominal dollars



*Flat in the FY19 request. *Includes renewables and efficiency, nuclear, fossil, grid research, cybersecurity, ARPA-E. | AAAS

Quick Notes on FY19 Proposed Budget



- **NIH:** consolidates AHRQ, NIOSH, NIDILRR to bring NIH to 30 institutes; \$750m for opioids research
 - Salary capped at 90%, lowered to \$152k from \$187k
- **DOE:** Big increase for exascale computing while other disciplines cut; ITER funded
 - ARPA-E killed (again), other technology cut
- **NSF:** research increased 2%; two vessels instead of three
- **NASA:** WFIRST killed, Earth Science cut, Planetary Science prioritized; moon projects and commercial space
- **USDA:** ARS and formula funds trimmed, AFRI flat from FY17, several lab closures
- Multiple agencies: Climate and environment broadly targeted

- Coming soon: the return of trillion-dollar deficits

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**How much does
all this matter?**

Looking Ahead

- FY 2018: Congress has until March 23 to finalize appropriations
 - Trump Admin recommendations will likely be ignored (again)
- FY 2019: a similar story to 2018 on appropriations?
 - Won't see spending bills until after FY 2018 is dealt with
 - Will probably be less generous than FY 2018 will be
 - Not finalized until late fall given election?
 - Infrastructure plan?
- FY 2020: cap negotiations one more time
 - Who controls Congress next year?



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U.S. House approves 2018 spending bills, but process far from finished

By David Malakoff | Sep. 14, 2017, 3:02 PM

The U.S. House of Representatives today took a major step toward setting federal science budgets for the 2018 fiscal year that begins 1 October. But Congress is still far from the finish line, and final spending levels aren't likely to be finalized until late this year at the earliest.

Legislators voted largely along party lines in approving a **package of 12 appropriations bills** that would provide about \$1.23 trillion in 2018 for so-called discretionary programs. That category covers about one-third of the federal budget and includes most research budgets. (The rest pays

For more info...



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