The Science Budget in 2018

Matt Hourihan
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

Net Interest $363

Defense Discretionary $618

[Defense R&D] $60

Nondefense Discretionary* $563

[Nondefense R&D]* $63

Other Mandatory $656

Medicaid $412

Medicare $625

Social Security $1,047

*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*

- **Pre-Sequester Caps**
- **Sequester Caps**
- **Actual Caps w/ Congress Adjustments**

*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*
Limits on NONDEFENSE Spending

Estimated percent change from 2017, inflation adjusted

- Pre-Sequester Caps
- Sequester Caps
- Actual Caps w/ Congress Adjustments
- Future Caps (Current Law)*

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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

<table>
<thead>
<tr>
<th>Agency</th>
<th>White House</th>
<th>House</th>
<th>Senate</th>
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<tbody>
<tr>
<td>DARPA</td>
<td>+10%</td>
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<td>NSF</td>
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<td>US Geo Survey</td>
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</tbody>
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*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

Estimated percent change from 2017, inflation adjusted

- Pre-Sequester Caps
- Sequester Caps
- Actual Caps w/ Congress Adjustments
- Future Caps (Current Law)*
- Original Budget Before Revisions

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

Estimated percentage change from FY 2017 enacted levels, nominal dollars

- FY19 Request + Addendum
- FY18 Request (Last Year’s Budget)

*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?**

Coming soon: the return of trillion-dollar deficits
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?
For more info...

mhouriha@aaas.org
202-326-6607
http://www.aaas.org/rd