The Short-Term Federal Research Funding Outlook

Matt Hourihan
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For the APLU Annual Meeting
AAAS R&D Budget and Policy Program
http://www.aaas.org/rd
Select Science & Tech Programs in FY 2020 Appropriations So Far

*Estimated percentage change from FY 2019, nominal dollars*

- **House**
- **Senate**

FY 2020 Request

- Defense Research
- NIH
- NSF
- Energy: Office of Science
- Energy: Technology*
- NASA
- Agriculture**
- NOAA Research
- EPA Science & Tech
- US Geo. Survey
- VA Research

*Includes renewables and efficiency, nuclear, fossil, grid research, cybersecurity, ARPA-E. **Includes ARS, NIFA, ERS, NASS. Senate figures (except NIH) refer to mix of committee- and floor-approved funding. Most House figures have been approved on floor. | AAAS 11.5.19*
The Appropriations Cycle Goes Ever On...

- House: 10 of 12 through floor
- Senate: 4 of 12 through floor

- House and Senate still need to:
  - Agree on size of each bill
  - Conference to resolve differences

- **Continuing Resolution** signed into law, keeps the lights on until November 21

- Another CR is likely...but for how long?
  - Appropriators meeting Tuesday

- Major issues:
  - Border wall
  - Impeachment?
  - Abortion funding

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**POLITICS**

*Spending Bills Divide Congress as Funding Deadline Nears*

Border wall remains sticking point in talks ahead of Nov. 21 deadline to avoid government shutdown

By Andrew Duehren and Lindsay Wise  
Nov. 4, 2019 5:06 pm ET

WASHINGTON—With less than three weeks before the federal government runs out of money, lawmakers and Trump administration officials are accelerating efforts to solve politically difficult spending questions, including border-wall funding.

*Image source: Wall Street Journal*
FY 2021 White House R&D Priorities

1. **American Security** (new: critical minerals)
2. **Future Industries**
3. **Energy & Environment** (new: nuclear R&D; ocean research and exploration; earth system predictability and modeling)
4. **Health & Bioeconomic Innovation** (new: focus on safe biotech and growth of bioeconomy)
5. **Space Exploration** (new: Moon and Mars resource utilization)

And crosscutting topics including:
STEM workforce, research environment, high risk/reward research, data strategy, partnerships

Science Agency Budget Increases Since January 2017

Percent change from FY 2016 - FY 2019, nominal dollars

- DOD Science and Tech
- VA Research
- DOE Science
- NIH
- Competitive Ag Grants
- DOE Tech*
- NASA
- NOAA Research
- U.S. Geological Survey
- National Science Foundation

*Nuclear, fossil, renewables, efficiency, grid, ARPA-E.
Source: agency budget documents and appropriations. Note: inflation is 3.3% over this time. | AAAS 2018
For more info...

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