Federal Spending within the Budget

Federal Spending, Fiscal Year 2017

- Net Interest: 7%
- Social Security: 24%
- Defense discretionary: 15%
- Medicare: 15%
- Non-Defense discretionary: 15%
- Medicaid, CHIP, exchange subsidies: 11%
- Other entitlement programs: 14%

Source: Office of Management and Budget

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As Non-Defense Discretionary Spending Goes, So Goes R&D
If R&D Tracks with Non-Defense Discretionary Spending, Where is Non-Defense Discretionary Going?

Limits on NONDEFENSE Spending
Billions of constant 2018 dollars

*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
Feb 2018 Budget Agreement “saved” some agencies & programs, but not all

Administration recommends
Additional funding in FY19
Addendum for NSF, NIH, DOE basic research

Admin does not recommend additional funding in it’s FY19 Addendum for NOAA, USGS, EPA, DOE EERE, and USDA- Their FY19 budget requests are far below FY17

However, Admin budget for FY19 did not “use up” all the non-defense discretionary spending available under the new caps

Congress + room within new budget caps + election year = opportunity
How did Congress React to the administration’s FY19 R&D Budget Plans?
The FY20 Budget Environment Facing Science & Technology

Feb 2018 Budget deal raised spending caps for FY18 and FY19. Under spending caps for FY20 and FY21 non-defense declines by 10% in FY20.

Source: Congressional Research Service; Budget Control Act: Frequently Asked Questions, September 1, 2017; and A New Foundation for American Greatness; Budget of the U.S. Government FY 2018, Office of Management & Budget
<table>
<thead>
<tr>
<th>NAML Public Policy Priorities for FY20</th>
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<tr>
<td><strong>NAML recommends expanded support for Federal agencies and programs that address:</strong></td>
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<tr>
<td>U.S.-based aquaculture to reduce the ever-increasing demand for foreign imports, to advance seafood security and opportunities for economic growth;</td>
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<tr>
<td>Oceanographic and geochemical exploration and associated technology development to advance national security, commerce and domestic energy independence;</td>
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<tr>
<td>Data collection and adaptive management strategies to increase productivity and sustainability of marine fisheries and social-economic productivity of U.S. exclusive economic zones;</td>
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<tr>
<td>Comprehensive understanding of ecosystems which support fisheries and other social-economic drivers;</td>
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<tr>
<td>Defining the impacts and causative factors for shifting environmental regimes to inform risk management of critical defense, transportation, civic and business infrastructure along U.S. coastlines; and</td>
</tr>
<tr>
<td>Discovery and innovation in biological, chemical, geological and physical marine sciences to support advancement of human and environment health and social-economic objectives.</td>
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June 2018 administration replaces Obama National Ocean Policy with new Executive Order for National Ocean Policy

New National Ocean Policy emphasizes economic and national security concerns, a strong underlying science and technology enterprise, and a strengthened interagency coordination process

New National Ocean Policy reduces the Obama Exec Order’s emphasis on marine conservation, stewardship, and climate.

Current National Ocean Policy

- Economic, security, and environmental benefits for present and future generations
- Promote lawful use of oceans by Federal agencies
- Facilitate economic growth of coastal communities and ocean industries
- Minimize burdensome regulations
- Advance ocean science and technology
Science and Technology for America’s Oceans: A Decadal Vision – The Goals

Understand the Ocean in the Earth System;
Promote Economic Prosperity
Ensure Maritime Security
Modernize Ocean-Related Infrastructure
Develop Resilient Coastal Communities
Safeguard Human Health
Education and Training
NAML’s Comments on Draft SOST Report

- Support for extramural ocean, coastal, and Great Lakes programs;
- Aquaculture
- Oceanographic and geochemical exploration and associated technology development
- Discovery and innovation in biological, chemical, geological and physical marine sciences
- Defining the impacts and causative factors for shifting environmental regimes
- Data collection and adaptive management Comprehensive understanding of ecosystems which support fisheries and other social-economic drivers
- Place-based education and outreach
Other Issues to Cover in NAML Response to S&T for America’s Oceans?

- Call out use of Sea Change – especially because of its view on the value of marine labs;

- Less transactional, more balanced in its treatment of research and agencies’ missions;

- Add back stewardship and ecosystem health;

- Great Lakes research and education agenda?
Top Line
Issues to be
Explored with
Speakers at
this Meeting

- In what ways are the strengths of marine labs included in the administration’s National Ocean Policy and updated Decadal Vision?
- How will the FY20 budget caps impact extramural research and education programs at NSF, NOAA, ONR and other relevant Federal agencies?
- What are the major programmatic priorities agencies are likely to emphasize in their forthcoming FY20 budget plans?
- Within NSF, are the Big Ideas squeezing out support for core research and education programs?
- At NOAA, where does support for extramural research and education fit in with meeting NOAA’s core missions and key priorities?
- What are the major ocean, coastal, and Great Lakes legislative initiatives likely to see action in the new Congress? Aquaculture? IOOS Reauthorization? Magnuson-Stevens? Coastal Zone Management? Sea Grant?
- How can NAML be most helpful and effective in its advocacy efforts
NAML Public Policy Activities: Recent and Planned

- **NAML Public Policy Agenda for FY19** – developed by Public Policy Committee, articulates NAML priorities

- **NAML March Meeting** – key federal policy makers including Acting NOAA Administrator, NSF Assistant Director for Geosciences, Staff from Senate Appropriations Committee

- **NAML congressional Testimony to House and Senate Appropriations Committees**

- **NAML works with Coastal Roundtable on advocacy for key NOAA extramural programs including NERRs, coastal resiliency grants, IOOS, marine sanctuaries, Sea Grant, STEM education**

- **NAML Public Policy Committee preparing comments on Draft S&T for America’s Oceans** – input requested from interested NAML members

- **NAML planning congressional brown bag lunchtime briefing on Capitol Hill in Spring 2019**