NSF Grants Conference

Introduction & NSF Overview

Panelist

Martha Rubenstein
Chief Financial Officer and Head, Office of Budget, Finance & Award Management
Ask Early, Ask Often!

Topics Covered

• Origins of NSF
• NSF Organization
• NSF Budget in the Federal Context
• NSF Fiscal Year 2015 Budget Request
• Funding Trends
• Key Documents
• Questions
Origins of NSF

• “The Government should accept new responsibilities for promoting the flow of scientific knowledge and the development of scientific talent in our youth.”
  – Science - The Endless Frontier, 1945

• 1947: Congress Approves, Truman Vetoes

• 1950: Compromise Bill Approved & Signed by Truman

NSF Act of 1950

• “To promote the progress of science…”

• NSB (24) and 1 Director, appointed by the President

• Encourage & develop a national policy for the promotion of basic research and education in the math, physical, medical, biological, engineering and other sciences

• Initiate & support basic scientific research in the sciences

• Evaluate the science research programs undertaken by agencies of the Federal government

• Provide information for S&E policy formation
NSF in a Nutshell

• Independent Agency
• Supports basic research & education
• Uses grant mechanism
• Low overhead; highly automated

• Discipline-based structure
• Cross-disciplinary mechanisms
• Use of Rotators/IPAs
• National Science Board

NSF Organizational Chart

National Science Board (NSB)
Director
Deputy Director

Office of the Inspector General (OIG)

Biological Sciences (BIO)
Computer & Information Science & Engineering (CISE)
Engineering (ENG)
Geosciences (GEO)
Mathematical & Physical Sciences (MPS)

Social, Behavioral & Economic Sciences (SBE)
Education & Human Resources (EHR)
Budget, Finance & Award Management (BFA)
Information & Resource Management (IRM)

Office of Diversity & Inclusion
Office of the General Counsel
Office of International & Integrative Activities
Office of Legislative & Public Affairs
FY 2015 Request: Total R&D by Agency
Budget Authority in Billions of Dollars

<table>
<thead>
<tr>
<th>Agency</th>
<th>Budget Authority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Defense</td>
<td>$64.4</td>
</tr>
<tr>
<td>HHS (NIH)</td>
<td>$31.1</td>
</tr>
<tr>
<td>NASA</td>
<td>$11.6</td>
</tr>
<tr>
<td>Energy</td>
<td>$12.3</td>
</tr>
<tr>
<td>NSF</td>
<td>$5.7</td>
</tr>
<tr>
<td>Agriculture</td>
<td>$2.4</td>
</tr>
<tr>
<td>Commerce (NIST, NOAA)</td>
<td>$1.6</td>
</tr>
<tr>
<td>All Other</td>
<td>$6.3</td>
</tr>
<tr>
<td>Total R&amp;D</td>
<td>$135.4 billion</td>
</tr>
</tbody>
</table>

NSF Budget: FY 2014 and FY 2015

(dollars in millions)

<table>
<thead>
<tr>
<th></th>
<th>FY 2014 Plan</th>
<th>FY 2015 Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research &amp; Related Activities</td>
<td>$5,809</td>
<td>$5,807</td>
</tr>
<tr>
<td>Education &amp; Human Resources</td>
<td>847</td>
<td>890</td>
</tr>
<tr>
<td>Major Research Equipment &amp; Facilities Construction</td>
<td>200</td>
<td>201</td>
</tr>
<tr>
<td>Agency Operations &amp; Award Management</td>
<td>298</td>
<td>338</td>
</tr>
<tr>
<td>National Science Board</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Office of Inspector General</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Total, NSF</td>
<td>$7,172</td>
<td>$7,255</td>
</tr>
<tr>
<td>Opportunity, Growth, and Security Initiative</td>
<td>-</td>
<td>552</td>
</tr>
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</table>
### NSF FY 2015 Budget Request

<table>
<thead>
<tr>
<th>Request</th>
<th>FY 2015 House Bill</th>
<th>FY 2015 Senate Mark</th>
<th>FY 2015 House Bill over Request</th>
<th>FY 2015 Senate Mark over Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research &amp; Related Activities</td>
<td>$5,807</td>
<td>$5,974</td>
<td>$5,839</td>
<td>$166</td>
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<tr>
<td>Education &amp; Human Resources</td>
<td>890</td>
<td>876</td>
<td>-14</td>
<td>-1%</td>
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<tr>
<td>Major Research Equipment &amp; Facilities Construction</td>
<td>201</td>
<td>201</td>
<td>-14</td>
<td>-2%</td>
</tr>
<tr>
<td>Agency Operations &amp; Award Management</td>
<td>338</td>
<td>325</td>
<td>-13</td>
<td>-4%</td>
</tr>
<tr>
<td>National Science Board</td>
<td>4</td>
<td>4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Office of Inspector General</td>
<td>14</td>
<td>14</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total, NSF</strong></td>
<td><strong>$7,255</strong></td>
<td><strong>$7,394</strong></td>
<td><strong>$7,255</strong></td>
<td><strong>$139</strong></td>
</tr>
</tbody>
</table>

Totals may not add due to rounding.

### NSF Funding Profile, FY 2013 - 2015

[Diagram showing NSF Funding Profile, FY 2013-FY 2015]
What To Watch

- FY 2015 Congressional Action
- FY 2016 Planning

Appropriations Drift - 1990 to 2014
NSF Appropriations Dates versus Start of Federal Fiscal Year Oct. 1
NSF Competitive Awards, Declines & Funding Rates

Distribution by Average Reviewer Ratings for Awards and Declines, FY 2013
Key Documents

• Proposal & Award Policies & Procedures Guide

• Fiscal Year 2015 Budget Request
  www.nsf.gov/about/budget/fy2015/index.jsp

• NSF Strategic Plan for Fiscal Years 2014-2018

• NSB Report on Merit Review

For More Information

Ask Early, Ask Often!

nsf.gov/staff
nsf.gov/staff/orglist.jsp
nsf.gov/about/career_opps/rotators/index.jsp