

## RESEARCH AND RELATED ACTIVITIES (R&RA)

**\$6,425,440,000**  
**+\$391,790,000 / 6.5%**

The FY 2017 Budget Request for the Research and Related Activities (R&RA) account is \$6,425.44 million, of which \$6,079.43 billion is discretionary funding and \$346.01 million is new mandatory funding. The FY 2017 Budget Request is an increase of \$391.79 million above the FY 2016 Estimate level of \$6,033.65 million. Funding within the R&RA Appropriation enables U.S. leadership and progress across the frontiers of scientific and engineering research and education.

In FY 2017, NSF will continue its longstanding commitment to investing in learning and discovery that will grow our economy, sustain our competitive advantage, and enable America to remain the world leader in innovation. It embraces the challenge of ensuring that scientific discovery and technological breakthroughs remain the primary engines for expanding the frontiers of human knowledge and responding to the challenges of the 21<sup>st</sup> century.

In FY 2017, funding within the broad and flexible R&RA account includes agency-wide support for research priorities such as advanced manufacturing, clean energy technology, climate science, cyberinfrastructure, cybersecurity, resilience to extreme natural and human-made events, and cognitive science and neuroscience. A major emphasis is support for young scientists and engineers engaged in research and teaching at the forefront of science, technology, engineering, and mathematics.

### R&RA Funding

(Dollars in Millions)

	FY 2015 Actual	FY 2016 Estimate	FY 2017 Request	Change over FY 2016 Estimate	
				Amount	Percent
Biological Sciences	\$736.19	\$744.17	\$790.52	\$46.35	6.2%
Computer & Information Science & Engineering	932.98	935.82	994.80	58.98	6.3%
Engineering	923.53	916.19	1,002.73	86.54	9.4%
Geosciences	1,319.04	1,318.54	1,398.83	80.30	6.1%
Mathematical & Physical Sciences	1,376.32	1,349.15	1,436.45	87.30	6.5%
Social, Behavioral & Economic Sciences	276.19	272.20	288.77	16.57	6.1%
Office of International Science and Engineering	48.46	49.10	52.05	2.95	6.0%
Integrative Activities	427.46	447.06	459.86	12.80	2.9%
U.S. Arctic Research Commission	1.41	1.43	1.43	-	-
<b>Total, R&amp;RA</b>	<b>\$6,041.57</b>	<b>\$6,033.65</b>	<b>\$6,425.44</b>	<b>\$391.79</b>	<b>6.5%</b>

Totals may not add due to rounding.

## RESEARCH AND RELATED ACTIVITIES

### Appropriations Language

For necessary expenses in carrying out the National Science Foundation Act of 1950 (42 U.S.C. 1861 et seq.), and Public Law 86–209 (42 U.S.C. 1880 et seq.); services as authorized by section 3109 of title 5, United States Code; maintenance and operation of aircraft and purchase of flight services for research support; acquisition of aircraft; and authorized travel; ~~\$6,033,645,000~~, \$6,079,430,000, to remain available until September 30, ~~2017~~, 2018, of which not to exceed ~~\$540,000,000~~ \$544,000,000 shall remain available until expended for polar research and operations support, and for reimbursement to other Federal agencies for operational and science support and logistical and other related activities for the United States Antarctic

*Research and Related Activities*

program: *Provided*, That receipts for scientific support services and materials furnished by the National Research Centers and other National Science Foundation supported research facilities may be credited to this appropriation.

*Science Appropriations Act, 2016.*

**Research and Related Activities  
FY 2017 Summary Statement**  
(Dollars in Millions)

	Enacted/ Request	Balance Available Start of Year	Unobligated Balance Available End of Year	Adjustments to Prior Year Accounts	Transfers	Obligations Actual/ Estimates
FY 2015 Appropriation	\$5,933.65	\$57.66	-\$10.08	\$60.35	\$0.00	\$6,041.57
FY 2016 Estimate	6,033.65	10.08				6,043.73
<i>FY 2017 Discretionary</i>	<i>6,079.43</i>					
<i>FY 2017 Mandatory</i>	<i>346.01</i>					
FY 2017 Total Request	6,425.44					6,425.44
\$ Change from FY 2016 Estimate						\$381.71
% Change from FY 2016 Estimate						6.3%

Totals may not add due to rounding.

**Explanation of Carryover**

Within the **Research and Related Activities (R&RA)** account, \$11.17 million (including \$1.09 million in reimbursable funds) was carried over into FY 2016.

- Directorate for Geosciences Polar Programs (no-year funding)
  - Amount: \$5.05 million
  - Reason: These funds are recoveries from prior year obligations.
  - Anticipated Obligation: FY 2016 Quarter 2
  
- Office of Integrative Activities
  - Amount: \$2.55 million
  - Reason: Carryover balance is for the Major Research Instrumentation Program. Several MRI awards were not ready for obligation before the close of FY 2015. Funds will be used for FY 2016 awards.
  - Anticipated Obligation: FY 2016 Quarter 2
  
- National Coordination Office for Networking and Information Technology Research and Development (NCO/NITRD)
  - Amount: \$439,100
  - Reason: Funding provided for the operations of NCO/NITRD.
  - Anticipated Obligation: FY 2016 Quarter 2
  
- National Nanotechnology Coordination Office (NNCO)
  - Amount: \$22,000
  - Reason: Funding provided for the operations of NNCO.
  - Anticipated Obligation: FY 2016 Quarter 2

The remaining R&RA carryover of \$2.02 million consists of funds from throughout the Foundation for projects that were not ready for obligation in FY 2015.