

**RESEARCH AND RELATED ACTIVITIES (R&RA)****\$6,186,300,000**  
**+\$252,660,000 / 4.3%**

The FY 2016 Budget Request for the Research and Related Activities (R&RA) Appropriation is \$6,186.30 million, an increase of \$252.66 million above the FY 2015 Estimate level of \$5,933.65 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 2016, NSF's longstanding commitment to making investments 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 2016, funding within the broad and flexible R&RA account includes agency-wide support for research priorities such as advanced manufacturing, clean energy technology, cyberinfrastructure, cybersecurity, resilience to extreme natural and man-made events, and cognitive science and neuroscience. Also included is ongoing 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 2014 Actual	FY 2015 Estimate	FY 2016 Request	Change over FY 2015 Estimate	
				Amount	Percent
Biological Sciences	\$720.84	\$731.03	\$747.92	\$16.89	2.3%
Computer & Information Science & Engineering	892.60	921.73	954.41	32.68	3.5%
Engineering	833.12	892.31	949.22	56.91	6.4%
Geosciences	1,321.32	1,304.39	1,365.41	61.02	4.7%
Mathematical & Physical Sciences	1,267.86	1,336.72	1,366.23	29.51	2.2%
Social, Behavioral & Economic Sciences	256.84	272.20	291.46	19.26	7.1%
Office of International Science and Engineering	48.31	48.52	51.02	2.50	5.2%
Integrative Activities	433.12	425.34	459.15	33.81	7.9%
U.S. Arctic Research Commission	1.30	1.41	1.48	0.07	5.0%
<b>Total, R&amp;RA</b>	<b>\$5,775.32</b>	<b>\$5,933.65</b>	<b>\$6,186.30</b>	<b>\$252.66</b>	<b>4.3%</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; ~~\$5,933,645,000~~, **\$6,186,300,000**, to remain available until September 30, ~~2016~~, **2017**, of which not to exceed ~~\$520,000,000~~ **\$540,000,000** shall remain available until expended for polar research and operations support, and for reimbursement to other Federal agencies

*Research and Related Activities*

for operational and science support and logistical and other related activities for the United States Antarctic 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.: ~~*Provided further*, That not less than \$159,690,000 shall be available for activities authorized by section 7002(c)(2)(A)(iv) of Public Law 110-69.~~

**Research and Related Activities**

**FY 2016 Summary Statement**

(Dollars in Millions)

	Enacted/ Request	Unobligated Balance Available Start of Year	Unobligated Balance Available End of Year	Adjustments to Prior Year Accounts	Transfers	Obligations Actual/ Estimates
FY 2014 Appropriation	\$5,808.92	\$10.16	-\$57.66	\$21.18	-\$7.28	\$5,775.32
FY 2015 Estimate	5,933.65	57.66				5,991.31
FY 2016 Request	6,186.30					6,186.30
\$ Change from FY 2015 Estimate						194.99
% Change from FY 2015 Estimate						3.3%

Totals may not add due to rounding.

**Explanation of Carryover**

Within the **Research and Related Activities (R&RA)** account, \$57.66 million (including \$5.60 million in reimbursable funds) was carried over into FY 2015. Obligation of all of these funds is expected by the end of the second quarter of FY 2015, unless noted otherwise.

- Directorate for Engineering (ENG) carried over \$18.07 million.
  - \$8.47 million is for the solicitation NSF14-557, Decision Frameworks for Multi-Hazard Resilient and Sustainable Buildings (RSB), which had a proposal deadline date of July 24, 2014. Programs involved include Network for Earthquake Engineering Simulation (NEES) Operations and Research, Hazard Mitigation and Structural Engineering, Geotechnical Engineering, Engineering and Systems Design, and Systems Science. This solicitation replaces the annual NEES Research solicitation as the program undergoes the transition from NEES to the follow-on facility.
  - \$3.09 million is for Sustainability Research Networks (SRN) connected to the SRN solicitation (14-534), which was released later than anticipated. This competition covers both FY 2014 and FY 2015.
  - \$6.51 million is for awards related to the Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative, Early Concept Grant for Exploratory Research (EAGER), joint partnership with the Air Force Office of Scientific Research (AFOSR), and Dear Colleague Letters (DCLs) for other items that were unable to be processed before the end of the fiscal year.
- Directorate for Mathematical and Physical Sciences (MPS) carried over \$29.81 million.
  - MPS carried over \$29.81 million for the Materials Research Science and Engineering Centers (MRSEC) awards in the Division of Materials Research. Awards were not ready for obligation before the close of FY 2014.
- Integrative Activities (IA) carried over \$1.67 million.
  - \$1.67 million is for Evaluation and Assessment Capability (EAC). This amount includes funding for the Graduate Research Postdoctoral Fellowship program pilot longitudinal monitoring/data

collection, information system to store evaluation reports and statements of work, development of internal EAC website, NSF Innovation Corps (I-Corps™) longitudinal data collection for I-Corps™ Teams (evaluation and initial data collection system), portfolio analysis pilots, and the G8 meeting.

- The carryover associated with R&RA includes \$100,018 for the operations of the National Coordination Office/Networking and Information Technology Research and Development, and \$20,354 for the operations of the National Nanotechnology Coordination Office.
- Within R&RA, \$5.60 million of incoming two-year interagency funds were carried over.
- The remaining R&RA carryover of \$2.39 million consists of funds from throughout the Foundation for projects that were not ready for obligation in FY 2014.

