

RESEARCH AND RELATED ACTIVITIES (R&RA)**\$5,361,650,000**
-\$636,440,000 / -10.6%

The FY 2018 Budget Request for the Research and Related Activities (R&RA) account is \$5,361.65 million a decrease of \$636.44 million (10.6 percent) below the FY 2016 Actual. Funding within the R&RA Appropriation enables U.S. leadership and progress across the frontiers of scientific and engineering research and education.

In FY 2018, 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 21st century.

R&RA Funding

(Dollars in Millions)

	FY 2016	FY 2017	FY 2018	Change over	
	Actual	Annualized CR	Request	FY 2016 Actual Amount	FY 2016 Actual Percent
Biological Sciences	\$723.78	-	\$672.11	-\$51.67	-7.1%
Computer & Information Science & Engineering	935.20	-	838.92	-96.28	-10.3%
Engineering	915.68	-	833.49	-82.19	-9.0%
Geosciences	876.51	-	783.31	-93.20	-10.6%
Mathematical & Physical Sciences	1,348.78	-	1,219.43	-129.35	-9.6%
Social, Behavioral & Economic Sciences	272.20	-	244.02	-28.18	-10.4%
Office of International Science and Engineering	49.07	-	44.02	-5.05	-10.3%
Office of Polar Programs	448.87	-	409.18	-39.69	-8.8%
Integrative Activities	426.57	-	315.74	-110.83	-26.0%
U.S. Arctic Research Commission	1.43	-	1.43	-	-
Total, R&RA	\$5,998.09	\$6,022.18	\$5,361.65	-\$636.44	-10.6%

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~~, \$5,361,650,000, to remain available until September 30, ~~2017~~, 2019, of which not to exceed ~~\$540,000,000~~ \$500,000,000 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 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.

(Note – A full-year 2017 appropriation for this account was not enacted at the time the budget was prepared; therefore, the budget assumes this account is operating under the Further Continuing Appropriations Act, 2017 (P.L. 114-254). The amounts included for 2017 reflect the annualized level provided by the continuing resolution.)

**Research and Related Activities
FY 2018 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 2016 Appropriation	\$6,033.65	\$10.08	-\$11.93	\$10.26	-\$43.97	\$5,998.09
FY 2017 Annualized CR	6,022.18	11.93				6,034.11
FY 2018 Request	5,361.65					5,361.65
\$ Change from FY 2017 Annualized CR						-\$672.46
% Change from FY 2017 Annualized CR						-11.1%

Explanation of Carryover

Within the **Research and Related Activities (R&RA)** account, \$18.23 million (including \$6.30 million in reimbursable funds) was carried over into FY 2017.

Directorate for Geosciences Polar Programs (no-year funding)

- Amount: \$2.06 million
- Reason: Recoveries from prior year obligations that were received too late in the fiscal year to obligate.
- Obligated: FY 2017 Quarter 2

Integrative Activities (IA)

- Amount: \$6.33 million
- Reason: The complexity of co-funding for several INSPIRE awards prevented the timely obligation of these funds.
- Anticipated Obligation: FY 2017 Quarter 3

- Amount: \$199,402
- Reason: Processing a new awardee in the Major Research Instrumentation Program delayed obligating the award.
- Anticipated Obligation: FY 2017 Quarter 3

National Coordination Office for Networking and Information Technology Research and Development (NCO/NITRD)

- Amount: \$617,984
- Reason: NCO was unable to secure a lease with GSA in time to obligate the funds. The Reimbursable Work Authorization was completed in November 2016.
- Obligated: FY 2017 Quarter 1

National Nanotechnology Coordination Office (NNCO)

- Amount: \$215,012
- Reason: NNCO's planned move and the timing of GSA's negotiation of the new lease precluded obligating the funds in FY 2016. In addition, carryover funding was needed to cover costs to complete the required Nuclear Regulatory Commission study.
- Obligated: FY 2017 Quarter 1

The remaining R&RA carryover of \$2.50 million consists of funds from throughout the Foundation for projects that were not ready for obligation in FY 2016.