

**RESEARCH AND RELATED ACTIVITIES (R&RA)**

**\$8,425,990,000**  
**+\$1,522,780,000 / 22.1%**

The FY 2023 Budget Request for the Research and Related Activities account is \$8,425.99 million. Funding within the R&RA Appropriation invests in early-stage research as well as development of a future-focused science and engineering workforce that can accelerate progress in basic science and engineering research as well as support the private sector.

NSF is the only federal agency dedicated to funding basic research across all areas of non-biomedical science and engineering. In FY 2023, NSF will continue its longstanding commitment to investing in learning and discovery that will promote the innovations that help fuel the Nation's future prosperity.

**R&RA Funding**  
(Dollars in Millions)

	FY 2021 Actual <sup>1,2</sup>	FY 2022 (TBD)	FY 2023 Request	Change over	
				FY 2021 Actual Amount	Percent
Biological Sciences	\$817.41	-	\$970.23	\$152.82	18.7%
Computer & Information Science & Engineering	1,007.13	-	1,150.78	143.65	14.3%
Engineering	764.43	-	940.28	175.85	23.0%
Geosciences	1,004.27	-	1,239.05	234.78	23.4%
Mathematical & Physical Sciences	1,593.31	-	1,746.85	153.54	9.6%
Social, Behavioral & Economic Sciences	282.11	-	330.21	48.10	17.1%
Technology, Innovation, & Partnerships	369.01	-	879.87	510.86	138.4%
Office of International Science & Engineering	51.29	-	74.04	22.75	44.4%
Office of Polar Programs	484.04	-	547.10	63.06	13.0%
Integrative Activities	528.61	-	545.86	17.25	3.3%
U.S. Arctic Research Commission	1.60	-	1.72	0.12	7.5%
<b>Total</b>	<b>\$6,903.21</b>	<b>-</b>	<b>\$8,425.99</b>	<b>\$1,522.78</b>	<b>22.1%</b>

<sup>1</sup> Funding in FY 2021 is re-stated for comparability across fiscal years to reflect the creation of TIP in FY 2022.

<sup>2</sup> Funding in FY 2021 is re-stated for comparability across fiscal years to reflect the movement of the Graduate Research Fellowship Program from IA to the Directorate for STEM Education in the EDU Account, expected in FY 2022.

## 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; ~~\$8,139,710,000~~~~\$8,425,987,000~~, to remain available until September 30, ~~2023~~~~2024~~, of which not to exceed ~~\$544,000,000~~~~\$640,000,000~~ 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.

### Research and Related Activities FY 2023 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 2021 Appropriation	\$7,376.68	\$10.27	-\$280.82	\$22.24	-\$29.29	\$7,099.08
FY 2022 Annualized CR	6,909.77	280.82				7,190.59
FY 2023 Request	8,425.99					8,425.99
\$ Change from FY 2022 Annualized CR						\$1,235.40
% Change from FY 2022 Annualized CR						17.2%

Totals exclude reimbursable amounts.

## Explanation of Carryover

### Research and Related Activities (R&RA)

Within the R&RA account, \$280.82 million (including \$271.46 million in American Rescue Plan Funding) was carried over into FY 2022.

#### *Integrative Activities Research Investment Communications*

- Amount: \$299,000
- Purpose: Funds will be used for NSF multimedia contract awards that were not ready for obligation in FY 2021. Funding will be used on four procurement actions in process that will be completed in time for award this fiscal year.
- Obligation: FY 2022 Quarter 2.

#### *Integrative Activities for Program Planning and Policy Development*

- Amount: \$840,000
- Purpose: These funds will support activities associated with NSF's merit review process including survey, studies, and committee of visitors data maintenance. Additionally, NSF funded an award supporting the core activities of the National Academies' Committee on Science, Engineering, Medicine, and Public Policy.
- Obligation: Anticipated FY 2022 Quarter 4.

*Integrative Activities for Evaluation and Assessment Capabilities program*

- Amount: \$251,000
- Purpose: These carryover funds will be used for Evaluation and Assessment Program Services contract to support NSF's implementation of Evidence Act requirements, notably those identified in NSF's draft Learning Agenda and Capacity Assessment.
- Obligation: Anticipated FY 2022 Quarter 3.

*Integrative Activities for Historically Black Colleges and Universities – Excellence in Research*

- Amount: \$993,000
- Purpose: Funds will provide supplemental support to postdoctoral researchers, graduate students, and undergraduate students disproportionately impacted by the COVID-19 pandemic.
- Obligation: Anticipated FY 2022 Quarter 3.

*National Coordination Office for Networking and Information Technology Research and Development*

- Amount: \$60,276
- Purpose: Funding to continue government procurements and operational expenses (i.e., credit card purchases, government travel, mailroom operations, etc.).
- Obligation: Anticipated FY 2022 Quarter 4.

*National Nanotechnology Coordination Office*

- Amount: \$214,130
- Purpose: Funding for the National Nanotechnology Coordination Office (NNCO) for NNCO operational expenses.
- Obligation: Anticipated FY 2022 Quarter 4.

*American Rescue Plan (R&RA)*

- Amount: \$271.46 million
- Purpose: Funds will be used for awards that were not ready for obligation in FY 2021.
- Obligation: FY 2022 Quarter 1-2 and remaining amounts to be obligated in Quarter 3

The remaining \$6.70 million within discretionary R&RA consists of funds from throughout the Foundation for projects not funded in FY 2021.

