

EXPLANATION OF FY 2023 CARRYOVER INTO FY 2024 BY ACCOUNT

The National Science Foundation’s total unobligated balance of \$988.37 million (\$880.83 million from Discretionary accounts, and \$107.54 million from Mandatory accounts) is described below.

**Discretionary and Mandatory Accounts:
Distribution of NSF FY 2023 Carryover into FY 2024**

(Dollars in Millions)

Discretionary Accounts:	
Polar-Research and Related Activities No Year	\$32.50
Research and Related Activities	154.06
Research and Related Activities Division N Base	65.47
Research and Related Activities Division N CHIPS & Science Act Research & Innovation	154.40
STEM Education	18.44
STEM Education Division N CHIPS & Science Act Research & Innovation	94.24
Major Research Equipment and Facilities Construction	361.32
Office of Inspector General	0.40
Total, Discretionary Accounts	\$880.83
Mandatory Accounts:	
H-1B Non-Immigrant Petitioner	80.04
Donations	27.50
Total, Mandatory	\$107.54
TOTAL, NSF	\$988.37

Discretionary (Appropriated) Accounts

Polar - Research and Related No Year Activities (OPP)

Within the R&RA account, \$32.50 million was carried over into FY 2024.

OPP - Antarctic Operations Support

- Amount: \$24.14 million
- Purpose: For United States Antarctic Program facilities operations and maintenance.
- Obligation: Anticipated FY 2024 Quarter 1 and Quarter 2

The remaining \$8.36 million within the Polar-R&RA consists of funds for projects not funded in FY 2023.

Research and Related Activities (R&RA)

Within the R&RA account, \$154.06 million was carried over into FY 2024.

BIO-Emerging Frontiers

- Amount: \$4.84 million
- Purpose: For the new cross-agency BioFoundries solicitation.
- Obligation: Anticipated FY 2024 Quarter 1 and Quarter 2

Technical Information

MPS-Chemistry

- Amount: \$5.94 million
- Purpose: For merit review panels
- Obligation: FY 2024 Quarter 1

SBE-National Center for Science & Engineering Statistics

- Amount: \$502,800
- Purpose: To support complex contracts associated with the National Secure Data Service.
- Obligation: Anticipated FY2024, Quarter 2

TIP-Technology Frontiers

- Amount: \$7.75 million
- Purpose: To support awards made under the inaugural BioFoundries to Enable Access to Infrastructure and Resources for Advancing Modern Biology and Biotechnology (BioFoundries) solicitation.
- Obligation: Anticipated FY24 Quarter 1 and Quarter 2

TIP-Technology Frontiers

- Amount: \$25.0 million
- Purpose: To support awards made under the inaugural Accessing and Predicting Technology Outcomes (APTO) solicitation.
- Obligation: Anticipated FY24 Quarter 1 and Quarter 2

TIP-Innovation & Technology Ecosystems

- Amount: \$13.90 million
- Purpose: To support critical contractual activities to support the regionalization of the Convergence Accelerator program.
- Obligation: FY 2024 Quarter 1 and Quarter 2

TIP-Technology Innovations

- Amount: \$1.0 million
- Purpose: For awards for STTR projects that were not ready for obligation in FY 2023.
- Obligation: FY 2024 Quarter 2

Office of International Science & Engineering

- Amount: \$3.94 million
- Purpose: To strengthen OISE's ability to respond proactively to emerging opportunities in international research and address global challenges and to capitalize on strategic partnerships and collaborative efforts across NSF.
- Obligation: Anticipated FY 2024 Quarter 3 and Quarter 4

IA-Established Program to Stimulate Competitive Research (EPSCoR)

- Amount: \$18.02 million
- Purpose: To support Research Infrastructure Improvement investment activities including inaugural awards in the EPSCoR Collaborations for Optimizing Research Ecosystems Research Infrastructure Improvement Program (E-CORE RII) and EPSCoR Research Incubators for STEM Excellence Research Infrastructure Improvement (E-RISE RII) competitions.
- Obligation: FY 2024 Quarter 3

IA-Integrative Activities

- Amount: A total of \$45.63 million for the following programs:
 - Historically Black Colleges & Universities – Excellence in Research: \$3.51 million
 - Evaluation and Assessment Capabilities program: \$4.94 million
 - Program Planning and Policy Development: \$1.19 million
 - Modeling and Forecasting Program: \$442,000
 - Equity & Compliance in Research: \$2.07 million
 - Growing Res. Access for Nat'l Transformative Equity and Diversity: \$33.25 million
 - Science and Technology Centers Administration: \$229,000
- Purpose: To support procurements and new award activities not ready for obligation in FY 2023.
- Obligation: Anticipated FY 2024 Quarter 2 and Quarter 3

Research Security Strategy and Policy (funds held under IA but managed by OCRSSP)

- Amount: \$9.17 million
- Purpose: To establish an independent Research Security and Integrity Information Sharing Analysis Organization (RSI-ISAO) known as the SECURE Center and to develop a mechanism to host Research Security Training Modules.
- Obligation: Anticipated FY 2024 Quarter 4

National Coordination Office for Networking & Information Technology Research & Development

- Amount: \$143,592
- Purpose: To continue government procurements and operational expenses (i.e. credit card purchases, government travel, mailroom operations, etc.).
- Obligation: Anticipated FY 2024 Quarter 2

National Nanotechnology Coordination Office

- Amount: \$87,526
- Purpose: To fund the required Quadrennial Review of the National Nanotechnology Initiative and to pay rent in NNCO's new location and other operational costs.
- Obligation: Anticipated FY 2024 Quarter 2 and 3

The remaining \$18.14 million within discretionary R&RA consists of funds from throughout the Foundation for projects not funded in FY 2023.

Technical Information

Research and Related Activities (R&RA) - Division N Base

Within the R&RA Division N Base account, \$65.47 million was carried over into FY 2024.

BIO-Emerging Frontiers

- Amount: \$25.25 million
- Purpose: For the new cross-agency BioFoundries solicitation.
- Obligation: Anticipated FY 2024 Quarter 2

ENG-Emerging Frontiers and Multidisciplinary Activities (EFMA)

- Amount: \$30.0 million
- Purpose: To support CET Strategic Investments – Clean Energy Stewardship Activities.
- Obligation: Anticipated FY 2024 Quarter 1 and Quarter 2

SBE-National Center for Science & Engineering Statistics

- Amount: \$6.89 million
- Purpose: To support complicated contracts associated with the National Secure Data Service.
- Obligation: Anticipated FY2024, Quarter 2

TIP-Translational Impacts

- Amount: \$1.60 million
- Purpose: To award STTR projects that were not ready for obligation in FY 2023.
- Obligation: Anticipated FY 2024 Quarter 2

IA-Integrative Activities

- Amount: A total of \$1.73 million for the following programs:
 - Historically Black Colleges & Universities – Excellence in Research: \$276,234
 - Program Planning and Policy Development: \$1.36 million
 - Research Investment Communications: \$92,798
- Purpose: To support procurements and new award activities that were not ready for obligation in FY 2023.
- Obligation: Anticipated FY 2024 Quarter 2 and Quarter 3

Research and Related Activities (R&RA) - Division N CHIPS & Science Act Research & Innovation

Within the R&RA Division N CHIPS and Science Act Research and Innovation account, \$154.40 million was carried over into FY 2024.

TIP- Innovation & Technology Ecosystems

- Amount: \$154.40 million
- Purpose: To award an initial cohort of NSF Regional Innovation Engines.
- Obligation: FY 2024 Quarter 2

STEM Education (STEM)

Within the STEM account, \$18.44 million was carried over into FY 2024.

Undergraduate Education

- Amount: \$2.93 million
- Purpose: To support new performer proposals, awards for which require additional time to review and issue.
- Obligation: Anticipated FY 2024 Quarter 2

Presidential Award for Excellence and Teaching

- Amount: \$7.19 million
- Purpose: To recognize recipients of the Presidential Awards for Excellence in Mathematics, Science Teaching and recipients of the Presidential Awards for Excellence in Science, Mathematics, and Engineering Mentoring.
- Obligation: Anticipated FY 2024 Quarter 2

Robert Noyce Teacher Scholarship Program (Noyce)

- Amount: \$8.32 million (no year)
- Purpose: To invest in teacher preparation and/or support Noyce fellows during completion of a teaching obligation.
- Obligation: Anticipated FY 2024 Quarter 2

STEM Education (STEM) - Division N CHIPS & Science Act Research & Innovation

Within the STEM Division N CHIPS and Science Act Research and Innovation account, \$94.24 million was carried over into FY 2024.

Graduate Education

- Amount: \$26.84 million
- Purpose: For Graduate Traineeship-Microelectronics and Semiconductors workforce development.
- Obligation: Anticipated FY 2024 Quarter 4

Undergraduate Education

- Amount: \$28.39 million
- Purpose: For Innovation in Two Year College STEM Education and for Microelectronics Workforce.
- Obligation: Anticipated FY 2024 Quarter 2 and Quarter 3

Equity for Excellence in STEM

- Amount: \$14.71 million
- Purpose: To foster STEM research diversity and capacity for students and faculty. Support increasing diversity of STEM faculty including recruitment, retention, and advancement. Workforce development activities.
- Obligation: Anticipated FY 2024 Quarter 1 and Quarter 2

Technical Information

Research on Learning in Formal and Informal Settings

- Amount: \$24.30 million
- Purpose: To support PreK-12 Informal STEM opportunities and microelectronics workforce development.
- Obligation: Anticipated FY 2024 Quarter 3 and Quarter 4

Major Research Equipment and Facilities Construction (MREFC)

Within the MREFC account, \$361.32 million was carried over into FY 2024.

Antarctic Infrastructure Modernization for Science (AIMS)

- Amount: \$150.66 million
- Purpose: To continue the Antarctic Infrastructure Modernization for Science (AIMS) project.
- Obligation: Anticipate \$12 million FY 2024 Q3; \$48 million FY 2024 Q4

Antarctic Infrastructure Recapitalization (AIR)

- Amount: \$59.10 million
- Purpose: Obligations proceeding as anticipated.
- Obligation: Anticipated \$53.50 million in FY 2024 Q2

Research Infrastructure Office (RIO)

- Amount: \$1.58 million
- Purpose: To support independent cost estimates for projects under consideration (Astro2020 projects and the Antarctic Research Vessel), as well as incurred cost audits and Earned Value Management System reviews for ongoing construction projects. The number of reviews needed varies from year to year.
- Obligation: Anticipated about \$1 million in FY 2024 Q2; \$500,000 FY 2024 Q3

High Luminosity-Large Hadron Collider Upgrade (HL-LHC)

- Amount: \$39.07 million
- Purpose: Pace of obligations slowed due to pandemic impacts on institutions and component production. \$95.6 million obligated. Re-baseline completed in FY 2023; new authorized total program cost is pending.
- Obligation: Anticipated \$23.0 million in FY 2024 Quarter 2

Mid-scale Research Infrastructure Track 2 (Mid-scale RI-2)

- Amount: \$74.04 million
- Purpose: Obligations proceeding as anticipated. This portfolio has both out-year mortgages on current awards and future obligations planned on new awards given the two-year proposal/review cycle.
- Obligation: Anticipate FY 2024 Q2

Regional Class Research Vessel (RCRV)

- Amount: \$8.53 million, including \$1.55 million from Hurricane Ida supplemental funding (P.L. 117-43)
- Purpose: Continued construction of the Regional Class Research Vessels.
- Obligation: Anticipate \$4.0 million in FY 2024 and \$4.53 million in FY 2025

Vera C. Rubin Observatory (Rubin)

- Amount: \$20.89 million
- Purpose: Majority of funds remaining are NSF-held management reserve to be used for residual pandemic impacts and other unforeseen events.
- Obligation: \$20 million in NSF-held management reserve obligated based on need.

The remaining \$7.45 million within discretionary MREFC account consists of funds from throughout the Foundation for projects not funded in FY 2023.

Office of Inspector General (OIG)

Within the OIG two-year account, \$399,158 was carried over into FY 2024.

Office of Inspector General

- Amount: \$399,158
- Purpose: Funds are expected to be used for (1) travel expenses to Antarctica, because the austral summer crosses fiscal years, to address allegations of sexual assault and stalking and conduct risk-based audits of Antarctic operations; and (2) to procure performance audit services.
- Obligation: Anticipated FY 2024 Quarters 1, 3 and 4

Mandatory Accounts

H-1B Non-Immigrant Petitioner

Within the H-1B account, \$80.04 million was carried over into FY 2024.

Innovation Technology Experiences for Students (ITEST)

- Amount: \$32.66 million
- Purpose: NSF receives the largest payments of H-1B visa fees in August and September, concomitant obligations typically lag to the following fiscal year.
- Obligation: Anticipated FY 2024 Quarters 1-2

Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM)

- Amount: \$23.98 million
- Purpose: NSF receives the largest payments of H-1B visa fees in August and September, concomitant obligations typically lag to the following fiscal year.
- Obligation: Anticipated FY 2024 Quarters 1-2

The remaining \$23.40 million of mandatory H-1B funds will be carried over and used for projects not funded in FY 2023.

Donations

Within the Donations account, \$27.50 million was carried over into FY 2024. Donations are received from organizations and individuals to fund various cooperative efforts in science, research, and education.

