

# NATIONAL SCIENCE FOUNDATION

## Federal Funds

### RESEARCH AND RELATED ACTIVITIES

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; \$8,045,320,000, to remain available until September 30, 2026, of which not to exceed \$700,000,000 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: Provided further, That of the amounts made available under this heading, \$420,000,000 is designated by the Congress as being for an emergency requirement pursuant to section 251(b)(2)(A)(i) of the Balanced Budget and Emergency Deficit Control Act of 1985: Provided further, That such amount shall be available only if the President designates such amount as an emergency requirement pursuant to such section 251(b)(2)(A)(i).

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

### Program and Financing (in millions of dollars)

Identification code	049–0100–0–1–999	2023 actual	2024 est.	2025 est.
<b>Obligations by program activity:</b>				
0001	Biological Sciences .....	829	872	863
0002	Computer and Information Science and Engineering .....	1,053	1,033	1,067
0003	Engineering .....	781	824	808
0005	Geosciences .....	1,083	1,050	1,074
0006	Mathematical and Physical Sciences .....	1,684	1,660	1,682
0007	Social, Behavioral and Economic Sciences .....	306	315	320
0008	Integrative Activities .....	487	613	519
0009	Office of International Science and Engineering .....	68	69	68
0010	Office of Polar Programs .....	534	570	589
0011	Technology, Innovation, and Partnerships .....	719	868	900
0013	Arctic Research Commission .....	2	2	2
0015	Mission Support Services .....	.....	130	138
0016	Office of the Chief of Research Security Strategy and Policy .....	.....	15	15
0091	Direct program activities, subtotal .....	7,546	8,021	8,045
0799	Total direct obligations .....	7,546	8,021	8,045
0801	Research and Related Activities (Reimbursable) .....	111	123	120
0900	Total new obligations, unexpired accounts .....	7,657	8,144	8,165
<b>Budgetary resources:</b>				
Unobligated balance:				
1000	Unobligated balance brought forward, Oct 1 .....	84	415	20
1001	Discretionary unobligated balance brought fwd, Oct 1 .....	84	.....	.....
1020	Adjustment of unobligated bal brought forward, Oct 1 .....	2	.....	.....
1021	Recoveries of prior year unpaid obligations .....	40	.....	.....
1070	Unobligated balance (total) .....	126	415	20
Budget authority:				
Appropriations, discretionary:				
1100	Appropriation .....	7,842	7,629	8,045
Spending authority from offsetting collections, discretionary:				
1700	Collected .....	77	120	123
1701	Change in uncollected payments, Federal sources .....	32	.....	.....
1750	Spending auth from offsetting collections, disc (total) .....	109	120	123
1900	Budget authority (total) .....	7,951	7,749	8,168
1930	Total budgetary resources available .....	8,077	8,164	8,188
Memorandum (non-add) entries:				
1940	Unobligated balance expiring .....	–5	.....	.....
1941	Unexpired unobligated balance, end of year .....	415	20	23
<b>Change in obligated balance:</b>				
Unpaid obligations:				
3000	Unpaid obligations, brought forward, Oct 1 .....	14,148	14,411	14,648
3010	New obligations, unexpired accounts .....	7,657	8,144	8,165
3011	Obligations ("upward adjustments"), expired accounts .....	83	.....	.....
3020	Outlays (gross) .....	–7,344	–7,907	–8,404
3040	Recoveries of prior year unpaid obligations, unexpired .....	–40	.....	.....
3041	Recoveries of prior year unpaid obligations, expired .....	–93	.....	.....
3050	Unpaid obligations, end of year .....	14,411	14,648	14,409
Uncollected payments:				
3060	Uncollected pymts, Fed sources, brought forward, Oct 1 .....	–109	–105	–105

3070	Change in uncollected pymts, Fed sources, unexpired .....	–32	.....	.....
3071	Change in uncollected pymts, Fed sources, expired .....	36	.....	.....
3090	Uncollected pymts, Fed sources, end of year .....	–105	–105	–105
Memorandum (non-add) entries:				
3100	Obligated balance, start of year .....	14,039	14,306	14,543
3200	Obligated balance, end of year .....	14,306	14,543	14,304
<b>Budget authority and outlays, net:</b>				
Discretionary:				
4000	Budget authority, gross .....	7,951	7,749	8,168
Outlays, gross:				
4010	Outlays from new discretionary authority .....	938	1,646	1,732
4011	Outlays from discretionary balances .....	6,255	6,200	6,611
4020	Outlays, gross (total) .....	7,193	7,846	8,343
Offsets against gross budget authority and outlays:				
Offsetting collections (collected) from:				
4030	Federal sources .....	–113	–120	–123
4033	Non-Federal sources .....	–73	.....	.....
4040	Offsets against gross budget authority and outlays (total) ....	–186	–120	–123
Additional offsets against gross budget authority only:				
4050	Change in uncollected pymts, Fed sources, unexpired .....	–32	.....	.....
4052	Offsetting collections credited to expired accounts .....	109	.....	.....
4060	Additional offsets against budget authority only (total) .....	77	.....	.....
4070	Budget authority, net (discretionary) .....	7,842	7,629	8,045
4080	Outlays, net (discretionary) .....	7,007	7,726	8,220
Mandatory:				
Outlays, gross:				
4101	Outlays from mandatory balances .....	151	61	61
4180	Budget authority, net (total) .....	7,842	7,629	8,045
4190	Outlays, net (total) .....	7,158	7,787	8,281

The Research and Related Activities appropriation enables the United States to provide leadership and promote progress across the expanding frontiers of scientific and engineering research and education.

The major research program activities of NSF are:

**Biological Sciences.**—This activity supports understanding how complex living systems function and interact with each other and with non-living systems, with research crossing scales from molecules to cells through organisms to ecosystems. This activity's investment portfolio includes projects on understanding the fundamental characteristics of biological energy systems; the changing dynamics of the biosphere; infrastructure and research resources such as databases, research centers, and observatories; and efforts to broaden participation and develop the next generation of biological researchers, all of which have direct impacts on issues related to the economy, food, human welfare, and the environment.

**Computer and Information Science and Engineering.**—This activity promotes the progress of computing, communication and information science and engineering research and education, and advances the development and use of advanced cyberinfrastructure across the science and engineering research enterprise; promotes understanding of the principles and uses of computing and information technology in society; and contributes to universal, trustworthy, transparent, and affordable participation in a knowledge-based economy.

**Engineering.**—This activity aims to grow and strengthen U.S. engineering capabilities and create a better tomorrow by driving discovery, inspiring innovation, enriching education and accelerating access.

**Geosciences.**—This activity is focused on understanding the many processes that affect the global environment and earth system through research in earth, ocean, atmospheric, and geospace sciences. This activity supports basic research, facilities and infrastructure, and workforce development that enable understanding of the integrated earth system including disruptive processes such as earthquakes and storms.

**Mathematical and Physical Sciences.**—Research in this activity is directed at increasing understanding of natural laws and phenomena across the astronomical sciences, chemistry, materials sciences, mathematical sciences, and physics. Research support is available in multiple modalities ranging from multi-user facilities and mid-scale instrumentation to individual investigator awards, from sites for undergraduate research experiences to early career faculty development and collaborative and international efforts.

**Social, Behavioral, and Economic Sciences.**—This activity supports research, education, and infrastructure in the social, behavioral, cognitive, and economic sciences and funds the collection and dissemination of statistics on the science and engineering enterprise.

**Office of International Science and Engineering (OISE).**—This activity serves as the focal point of international activities at NSF. In addition to strategic funding and co-funding that targets catalytic partnerships and workforce-building international research opportunities, OISE advances NSF's global science leadership through extensive interactions with U.S. and global counterpart agencies and organizations.

**Office of Polar Programs.**—This activity supports Arctic and Antarctic research and operational science support and other related activities for United States polar research programs, including funding to support Federal agencies' logistical needs in the Arctic and Antarctica, research collaborations, and related activities supported by the United States Antarctic Program.

**Integrative Activities.**—This activity supports innovative, transdisciplinary team science, advanced research infrastructure, use-inspired research, and emerging national research prior-

RESEARCH AND RELATED ACTIVITIES—Continued

ities. Integrative Activities supports jurisdictional and institutional capacity-building programs helping colleges and universities expand their research capacity and improve competitiveness in science and engineering research. Additionally, Integrative Activities funding supports activities that expand NSF's capacity to use evidence for decision making. This activity provides support for a federally funded Research and Development Center, the Science and Technology Policy Institute.

*Technology, Innovation, and Partnerships (TIP).*—This activity advances key technologies and addresses national, societal and geostrategic challenges; accelerates the translation of research results from the lab to the market and society; and cultivates new education pathways leading to a diverse skilled technical workforce comprising researchers, practitioners, technicians, entrepreneurs, and educators. TIP will accomplish these objectives by catalyzing strategic partnerships that link together academia, industry, government, nonprofits, civil society, and communities of practice to cultivate innovation ecosystems throughout the U.S., growing regional economies, creating the jobs of the future, and enhancing the Nation's long-term competitiveness.

*Mission Support Services.*—This activity provides for mission-related IT and Data Management investments that support the merit review process. In addition, this activity supports policy matters of NSF-wide scope and mission-related investments with broad programmatic benefit as well as cross-agency initiatives to which NSF is mandated to contribute.

*Office of the Chief of Research Security Strategy and Policy (OCRSSP).*—This activity supports investments to identify risks to the U.S. research enterprise and develop research security policy and best practices to address those risks. OCRSSP implements its mission through coordination within NSF and with other U.S. government (USG) agencies, the Office of Science and Technology Policy and the National Science and Technology Council (NSTC) as well as stakeholders from the domestic and international research communities.

The *United States Arctic Research Commission (USARC)* is an independent agency, funded through NSF's appropriations. USARC promotes Arctic research and recommends national Arctic research policies to guide Federal agencies in developing and implementing their research programs in the Arctic region.

Object Classification (in millions of dollars)

Identification code 049–0100–0–1–999	2023 actual	2024 est.	2025 est.
Direct obligations:			
11.8 Personnel compensation: Special personal services payments .....	53	54	54
21.0 Travel and transportation of persons .....	8	8	8
23.2 Rental payments to others .....	3	3	3
23.3 Communications, utilities, and miscellaneous charges .....	2	2	2
25.1 Advisory and assistance services .....	197	197	197
25.2 Other services from non-Federal sources .....	21	21	21
25.3 Other goods and services from Federal sources .....	214	214	214
25.4 Operation and maintenance of facilities .....	222	224	224
25.5 Research and development contracts .....	24	25	25
25.7 Operation and maintenance of equipment .....	1	1	1
31.0 Equipment .....	3	4	4
41.0 Grants, subsidies, and contributions .....	6,798	7,268	7,292
99.0 Direct obligations .....	7,546	8,021	8,045
99.0 Reimbursable obligations .....	111	123	120
99.9 Total new obligations, unexpired accounts .....	7,657	8,144	8,165

Employment Summary

Identification code 049–0100–0–1–999	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment .....	3	3	3

MAJOR RESEARCH EQUIPMENT AND FACILITIES CONSTRUCTION

For necessary expenses for the acquisition, construction, commissioning, and upgrading of major research equipment, facilities, and other such capital assets pursuant to the National Science Foundation Act of 1950 (42 U.S.C. 1861 et seq.), including authorized travel, \$300,000,000, to remain available until expended.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 049–0551–0–1–251	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Major Research Equipment and Facilities Construction .....	160	357	370

Budgetary resources:

Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	331	361	191
1001 Discretionary unobligated balance brought fwd, Oct 1 .....	331		
1021 Recoveries of prior year unpaid obligations .....	3		
1070 Unobligated balance (total) .....	334	361	191
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation .....	187	187	300
1900 Budget authority (total) .....	187	187	300
1930 Total budgetary resources available .....	521	548	491
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year .....	361	191	121

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1 .....	475	475	546
3010 New obligations, unexpired accounts .....	160	357	370
3011 Obligations ("upward adjustments"), expired accounts .....	1		
3020 Outlays (gross) .....	–158	–286	–305
3040 Recoveries of prior year unpaid obligations, unexpired .....	–3		
3050 Unpaid obligations, end of year .....	475	546	611
Memorandum (non-add) entries:			
3100 Obligated balance, start of year .....	475	475	546
3200 Obligated balance, end of year .....	475	546	611

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross .....	187	187	300
Outlays, gross:			
4010 Outlays from new discretionary authority .....		11	18
4011 Outlays from discretionary balances .....	128	267	287
4020 Outlays, gross (total) .....	128	278	305
Mandatory:			
Outlays, gross:			
4101 Outlays from mandatory balances .....	30	8	
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4123 Non-Federal sources .....	–1		
Additional offsets against gross budget authority only:			
4142 Offsetting collections credited to expired accounts .....	1		
4170 Outlays, net (mandatory) .....	29	8	
4180 Budget authority, net (total) .....	187	187	300
4190 Outlays, net (total) .....	157	286	305

This appropriation supports the acquisition, construction, and commissioning of unique national research platforms and major and mid-scale research facilities and equipment.

Object Classification (in millions of dollars)

Identification code 049–0551–0–1–251	2023 actual	2024 est.	2025 est.
Direct obligations:			
25.3 Other goods and services from Federal sources .....	1	1	1
25.4 Operation and maintenance of facilities .....	1	1	1
41.0 Grants, subsidies, and contributions .....	158	355	368
99.9 Total new obligations, unexpired accounts .....	160	357	370

CREATING HELPFUL INCENTIVES TO PRODUCE SEMICONDUCTORS (CHIPS) FOR AMERICA  
WORKFORCE AND EDUCATION FUND

Program and Financing (in millions of dollars)

Identification code 049–0108–0–1–251	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 CHIPS for America Workforce and Education .....	25	25	50
0900 Total new obligations, unexpired accounts (object class 41.0) .....	25	25	50

Budgetary resources:

Budget authority:			
Appropriations, mandatory:			
1200 Appropriation .....	25	25	50
1900 Budget authority (total) .....	25	25	50
1930 Total budgetary resources available .....	25	25	50

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1 .....		25	30

3010	New obligations, unexpired accounts .....	25	25	50
3020	Outlays (gross) .....	.....	–20	–25
3050	Unpaid obligations, end of year .....	25	30	55
	Memorandum (non-add) entries:			
3100	Obligated balance, start of year .....	.....	25	30
3200	Obligated balance, end of year .....	25	30	55
<b>Budget authority and outlays, net:</b>				
	Mandatory:			
4090	Budget authority, gross .....	25	25	50
	Outlays, gross:			
4100	Outlays from new mandatory authority .....	.....	5	10
4101	Outlays from mandatory balances .....	.....	15	15
4110	Outlays, gross (total) .....	.....	20	25
4180	Budget authority, net (total) .....	25	25	50
4190	Outlays, net (total) .....	.....	20	25

This appropriation enables the United States to provide leadership and promote progress for microelectronics workforce education and development activities.

#### AGENCY OPERATIONS AND AWARD MANAGEMENT

For agency operations and award management necessary in carrying out the National Science Foundation Act of 1950 (42 U.S.C. 1861 et seq.); services authorized by section 3109 of title 5, United States Code; hire of passenger motor vehicles; uniforms or allowances therefor, as authorized by sections 5901 and 5902 of title 5, United States Code; rental of conference rooms in the District of Columbia; and reimbursement of the Department of Homeland Security for security guard services; \$504,000,000: Provided, That not to exceed \$12,000 is for official reception and representation expenses: Provided further, That contracts may be entered into under this heading in fiscal year 2025 for maintenance and operation of facilities and for other services to be provided during the next fiscal year.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

#### Program and Financing (in millions of dollars)

Identification code 049–0180–0–1–251	2023 actual	2024 est.	2025 est.
<b>Obligations by program activity:</b>			
0001 Agency Operations and Award Management .....	452	448	504
0799 Total direct obligations .....	452	448	504
0801 Agency Operations and Award Management (Reimbursable) .....	9	10	10
0900 Total new obligations, unexpired accounts .....	461	458	514
<b>Budgetary resources:</b>			
	Unobligated balance:		
1000 Unobligated balance brought forward, Oct 1 .....	4	.....	.....
	Budget authority:		
	Appropriations, discretionary:		
1100 Appropriation .....	448	448	504
	Spending authority from offsetting collections, discretionary:		
1700 Collected .....	8	10	10
1701 Change in uncollected payments, Federal sources .....	1	.....	.....
1750 Spending auth from offsetting collections, disc (total) .....	9	10	10
1900 Budget authority (total) .....	457	458	514
1930 Total budgetary resources available .....	461	458	514

<b>Change in obligated balance:</b>			
	Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1 .....	111	128	89
3001 Adjustments to unpaid obligations brought forward, Oct 1 ....	–3	.....	.....
3010 New obligations, unexpired accounts .....	461	458	514
3011 Obligations ("upward adjustments"), expired accounts .....	4	.....	.....
3020 Outlays (gross) .....	–442	–497	–503
3041 Recoveries of prior year unpaid obligations, expired .....	–3	.....	.....
3050 Unpaid obligations, end of year .....	128	89	100
	Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1 .....	–1	–1	–1
3070 Change in uncollected pymts, Fed sources, unexpired .....	–1	.....	.....
3071 Change in uncollected pymts, Fed sources, expired .....	1	.....	.....
3090 Uncollected pymts, Fed sources, end of year .....	–1	–1	–1
	Memorandum (non-add) entries:			
3100 Obligated balance, start of year .....	107	127	88
3200 Obligated balance, end of year .....	127	88	99

#### Budget authority and outlays, net:

	Discretionary:			
4000 Budget authority, gross .....	457	458	514
	Outlays, gross:			
4010 Outlays from new discretionary authority .....	338	377	423
4011 Outlays from discretionary balances .....	104	120	80
4020 Outlays, gross (total) .....	442	497	503
	Offsets against gross budget authority and outlays:			
	Offsetting collections (collected) from:			
4030 Federal sources .....	–12	–10	–10
4033 Non-Federal sources .....	–1	.....	.....
4040 Offsets against gross budget authority and outlays (total) ....	–13	–10	–10
	Additional offsets against gross budget authority only:			
4050 Change in uncollected pymts, Fed sources, unexpired .....	–1	.....	.....
4052 Offsetting collections credited to expired accounts .....	5	.....	.....
4060 Additional offsets against budget authority only (total) .....	4	.....	.....
4070 Budget authority, net (discretionary) .....	448	448	504
4080 Outlays, net (discretionary) .....	429	487	493
4180 Budget authority, net (total) .....	448	448	504
4190 Outlays, net (total) .....	429	487	493

This account funds NSF's scientific, professional, and administrative workforce; the physical and technological infrastructure necessary for a productive, safe, and secure work environment; and the essential business operations critical to NSF's administrative processes.

#### Object Classification (in millions of dollars)

Identification code 049–0180–0–1–251	2023 actual	2024 est.	2025 est.
Direct obligations:			
	Personnel compensation:		
11.1 Full-time permanent .....	201	230	236
11.3 Other than full-time permanent .....	13	13	13
11.5 Other personnel compensation .....	8	8	8
11.9 Total personnel compensation .....	222	251	257
12.1 Civilian personnel benefits .....	76	85	92
21.0 Travel and transportation of persons .....	5	7	6
22.0 Transportation of things .....	1	1	1
23.1 Rental payments .....	20	26	27
23.2 Rental payments to others .....	1	1	1
23.3 Communications, utilities, and miscellaneous charges .....	1	1	1
25.1 Advisory and assistance services .....	70	38	57
25.2 Other services from non-Federal sources .....	41	29	39
25.3 Other goods and services from Federal sources .....	11	8	19
26.0 Supplies and materials .....	1	.....	1
31.0 Equipment .....	3	1	3
99.0 Direct obligations .....	452	448	504
99.0 Reimbursable obligations .....	9	10	10
99.9 Total new obligations, unexpired accounts .....	461	458	514

#### Employment Summary

Identification code 049–0180–0–1–251	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment .....	1,442	1,487	1,507

#### OFFICE OF THE NATIONAL SCIENCE BOARD

For necessary expenses (including payment of salaries, authorized travel, hire of passenger motor vehicles, the rental of conference rooms in the District of Columbia, and the employment of experts and consultants under section 3109 of title 5, United States Code) involved in carrying out section 4 of the National Science Foundation Act of 1950 (42 U.S.C. 1863) and Public Law 86–209 (42 U.S.C. 1880 et seq.), \$5,220,000: Provided, That not to exceed \$2,500 shall be available for official reception and representation expenses.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

#### Program and Financing (in millions of dollars)

Identification code 049–0350–0–1–251	2023 actual	2024 est.	2025 est.
<b>Obligations by program activity:</b>			
0001 Office of the National Science Board .....	5	5	5

OFFICE OF THE NATIONAL SCIENCE BOARD—Continued  
Program and Financing—Continued

Identification code 049–0350–0–1–251	2023 actual	2024 est.	2025 est.
<b>Budgetary resources:</b>			
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation .....	5	5	5
1930 Total budgetary resources available .....	5	5	5
<b>Change in obligated balance:</b>			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1 .....	1	1	1
3010 New obligations, unexpired accounts .....	5	5	5
3020 Outlays (gross) .....	–5	–5	–5
3050 Unpaid obligations, end of year .....	1	1	1
Memorandum (non-add) entries:			
3100 Obligated balance, start of year .....	1	1	1
3200 Obligated balance, end of year .....	1	1	1
<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000 Budget authority, gross .....	5	5	5
Outlays, gross:			
4010 Outlays from new discretionary authority .....	4	4	4
4011 Outlays from discretionary balances .....	1	1	1
4020 Outlays, gross (total) .....	5	5	5
4180 Budget authority, net (total) .....	5	5	5
4190 Outlays, net (total) .....	5	5	5

This appropriation supports the National Science Board, which provides policy-making and related responsibilities for NSF and provides guidance on significant national policy issues in science and engineering research and education, as required by law.

## Object Classification (in millions of dollars)

Identification code 049–0350–0–1–251	2023 actual	2024 est.	2025 est.
Direct obligations:			
11.1 Personnel compensation: Full-time permanent .....	2	3	3
12.1 Civilian personnel benefits .....	1	1	1
25.1 Advisory and assistance services .....	1	1	1
99.0 Direct obligations .....	4	5	5
99.5 Adjustment for rounding .....	1	.....	.....
99.9 Total new obligations, unexpired accounts .....	5	5	5

## Employment Summary

Identification code 049–0350–0–1–251	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment .....	18	18	18

## OFFICE OF INSPECTOR GENERAL

For necessary expenses of the Office of Inspector General as authorized by the Inspector General Act of 1978, \$28,460,000, of which \$400,000 shall remain available until September 30, 2026.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

## Program and Financing (in millions of dollars)

Identification code 049–0300–0–1–251	2023 actual	2024 est.	2025 est.
<b>Obligations by program activity:</b>			
0001 Office of Inspector General .....	23	23	28
<b>Budgetary resources:</b>			
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation .....	23	23	28
1900 Budget authority (total) .....	23	23	28
1930 Total budgetary resources available .....	23	23	28

## Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1 .....	2	3	4
3010 New obligations, unexpired accounts .....	23	23	28
3020 Outlays (gross) .....	–22	–22	–27
3050 Unpaid obligations, end of year .....	3	4	5
Memorandum (non-add) entries:			
3100 Obligated balance, start of year .....	2	3	4
3200 Obligated balance, end of year .....	3	4	5

## Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross .....	23	23	28
Outlays, gross:			
4010 Outlays from new discretionary authority .....	20	19	23
4011 Outlays from discretionary balances .....	2	3	4
4020 Outlays, gross (total) .....	22	22	27
4180 Budget authority, net (total) .....	23	23	28
4190 Outlays, net (total) .....	22	22	27

This appropriation provides agency-wide audit and investigative functions to (1) identify, review, and report on management and administrative deficiencies which create conditions for existing or potential instances of fraud, waste, and mismanagement; (2) pursue allegations and indicators of fraud, waste, abuse and misconduct; and (3) recommend criminal, civic and administrative actions when appropriate, consistent with the Inspector General Act of 1978.

## Object Classification (in millions of dollars)

Identification code 049–0300–0–1–251	2023 actual	2024 est.	2025 est.
Direct obligations:			
11.1 Personnel compensation: Full-time permanent .....	11	13	15
12.1 Civilian personnel benefits .....	5	7	8
21.0 Travel and transportation of persons .....	1	.....	1
25.1 Advisory and assistance services .....	1	2	3
25.2 Other services from non-Federal sources .....	3	1	1
25.3 Other goods and services from Federal sources .....	2	.....	.....
99.9 Total new obligations, unexpired accounts .....	23	23	28

## Employment Summary

Identification code 049–0300–0–1–251	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment .....	77	89	102

## STEM EDUCATION

For necessary expenses in carrying out science, mathematics, and engineering education and human resources programs and activities pursuant to the National Science Foundation Act of 1950 (42 U.S.C. 1861 et seq.), including services as authorized by section 3109 of title 5, United States Code, authorized travel, and rental of conference rooms in the District of Columbia, \$1,300,000,000, to remain available until September 30, 2026.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

## Program and Financing (in millions of dollars)

Identification code 049–0106–0–1–251	2023 actual	2024 est.	2025 est.
<b>Obligations by program activity:</b>			
0001 STEM Education (formerly Education and Human Resources) ....	1,273	1,350	1,300
0100 Total Disc obligations .....	1,273	1,350	1,300
0302 S-STEM Scholarships for STEM .....	84	133	104
0303 ITESST grants for Mathematics, Science, or Engineering enrichment courses .....	32	69	35
0391 Total Mandatory Obligations (H-1B) .....	116	202	139
0799 Total direct obligations .....	1,389	1,552	1,439
0801 Education and Human Resources (Reimbursable) .....	16	10	10
0900 Total new obligations, unexpired accounts .....	1,405	1,562	1,449
<b>Budgetary resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	62	193	32
1001 Discretionary unobligated balance brought fwd, Oct 1 .....	11	.....	.....

1021	Recoveries of prior year unpaid obligations .....	11		
1070	Unobligated balance (total) .....	73	193	32
Budget authority:				
Appropriations, discretionary:				
1100	Appropriation .....	1,371	1,246	1,300
Appropriations, mandatory:				
1201	Appropriation (special or trust fund) .....	135	145	139
1203	Appropriation (previously unavailable)(special or trust) ....	11	8	8
1232	Appropriation temporarily reduced .....	-8	-8	-7
1260	Appropriations, mandatory (total) .....	138	145	140
Spending authority from offsetting collections, discretionary:				
1700	Collected .....	3	10	10
1701	Change in uncollected payments, Federal sources .....	14		
1750	Spending auth from offsetting collections, disc (total) .....	17	10	10
1900	Budget authority (total) .....	1,526	1,401	1,450
1930	Total budgetary resources available .....	1,599	1,594	1,482
Memorandum (non-add) entries:				
1940	Unobligated balance expiring .....	-1		
1941	Unexpired unobligated balance, end of year .....	193	32	33

**Change in obligated balance:**

Unpaid obligations:				
3000	Unpaid obligations, brought forward, Oct 1 .....	3,302	3,457	3,263
3010	New obligations, unexpired accounts .....	1,405	1,562	1,449
3011	Obligations ("upward adjustments"), expired accounts .....	12		
3020	Outlays (gross) .....	-1,222	-1,756	-1,722
3040	Recoveries of prior year unpaid obligations, unexpired .....	-11		
3041	Recoveries of prior year unpaid obligations, expired .....	-29		
3050	Unpaid obligations, end of year .....	3,457	3,263	2,990
Uncollected payments:				
3060	Uncollected pymts, Fed sources, brought forward, Oct 1 .....	-9	-20	-20
3070	Change in uncollected pymts, Fed sources, unexpired .....	-14		
3071	Change in uncollected pymts, Fed sources, expired .....	3		
3090	Uncollected pymts, Fed sources, end of year .....	-20	-20	-20
Memorandum (non-add) entries:				
3100	Obligated balance, start of year .....	3,293	3,437	3,243
3200	Obligated balance, end of year .....	3,437	3,243	2,970

**Budget authority and outlays, net:**

Discretionary:				
4000	Budget authority, gross .....	1,388	1,256	1,310
Outlays, gross:				
4010	Outlays from new discretionary authority .....	34	185	192
4011	Outlays from discretionary balances .....	1,026	1,300	1,315
4020	Outlays, gross (total) .....	1,060	1,485	1,507
Offsets against gross budget authority and outlays:				
Offsetting collections (collected) from:				
4030	Federal sources .....	-6	-10	-10
4033	Non-Federal sources .....	-11		
4040	Offsets against gross budget authority and outlays (total) ....	-17	-10	-10
Additional offsets against gross budget authority only:				
4050	Change in uncollected pymts, Fed sources, unexpired .....	-14		
4052	Offsetting collections credited to expired accounts .....	14		
4070	Budget authority, net (discretionary) .....	1,371	1,246	1,300
4080	Outlays, net (discretionary) .....	1,043	1,475	1,497
Mandatory:				
4090	Budget authority, gross .....	138	145	140
Outlays, gross:				
4100	Outlays from new mandatory authority .....		9	9
4101	Outlays from mandatory balances .....	162	262	206
4110	Outlays, gross (total) .....	162	271	215
4180	Budget authority, net (total) .....	1,509	1,391	1,440
4190	Outlays, net (total) .....	1,205	1,746	1,712

The STEM Education (EDU) appropriation funds and manages a comprehensive set of programs that further NSF's goals of ensuring a diverse, globally competitive U.S. science, technology, engineering, and mathematics (STEM) workforce, as well as a scientifically literate population. To advance those goals, EDU collaborates with other NSF research units and Federal agencies, and promotes public-private partnerships. EDU supports research on STEM teaching and learning to provide the evidence base for improvements in education at all levels in the STEM disciplines. Supporting development and effective implementation of new learning technologies is also a priority. EDU pre-K-12 education-research programs, for example, develop and test new instruction materials for students and teachers, which incorporate the latest advances in teaching, learning, and education technologies. STEM teacher-education opportunities occur throughout the full continuum, from pre-service and in-service, through life-long learning. Research programs at the undergraduate level improve curricula, strengthen laboratory courses, enhance faculty effectiveness, and lead education reforms in STEM disciplines. Advanced technological education programs strengthen student preparation for the high-technology workforce. Support of graduate-level STEM education primarily includes fellowships and traineeships to sustain U.S. leadership in global science and technology. All EDU programs aim

to broaden participation of groups underrepresented in STEM fields by, for example, improving infrastructure and academic programs at minority-serving institutions. EDU activities also include programs supported by H-1B non-immigrant visa fees, which provide undergraduate and graduate scholarships in STEM disciplines, improve educational opportunities for students, and provide research opportunities for STEM teachers and students.

**Object Classification** (in millions of dollars)

Identification code 049-0106-0-1-251	2023 actual	2024 est.	2025 est.
Direct obligations:			
11.8 Personnel compensation: Special personal service pymts .....	8	9	10
21.0 Travel and transportation of persons .....	1	3	3
25.1 Advisory and assistance services .....	36	42	45
25.2 Other services from non-Federal sources .....	1	2	2
25.3 Other goods and services from Federal sources .....	14	16	17
41.0 Grants, subsidies, and contributions .....	1,329	1,480	1,362
99.0 Direct obligations .....	1,389	1,552	1,439
99.0 Reimbursable obligations .....	16	10	10
99.9 Total new obligations, unexpired accounts .....	1,405	1,562	1,449

**Trust Funds****DONATIONS****Special and Trust Fund Receipts** (in millions of dollars)

Identification code 049-8960-0-7-251	2023 actual	2024 est.	2025 est.
0100 Balance, start of year .....			
Receipts:			
Current law:			
1130 Donations, National Science Foundation .....	28	40	40
2000 Total: Balances and receipts .....	28	40	40
Appropriations:			
Current law:			
2101 Donations .....	-28	-40	-40
5099 Balance, end of year .....			

**Program and Financing** (in millions of dollars)

Identification code 049-8960-0-7-251	2023 actual	2024 est.	2025 est.
<b>Obligations by program activity:</b>			
0005 General Trust Fund .....	24	40	40
<b>Budgetary resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	24	28	28
Budget authority:			
Appropriations, mandatory:			
1201 Appropriation (special or trust fund) .....	28	40	40
1930 Total budgetary resources available .....	52	68	68
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year .....	28	28	28

**Change in obligated balance:**

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1 .....	17	35	22
3010 New obligations, unexpired accounts .....	24	40	40
3020 Outlays (gross) .....	-6	-53	-40
3050 Unpaid obligations, end of year .....	35	22	22
Memorandum (non-add) entries:			
3100 Obligated balance, start of year .....	17	35	22
3200 Obligated balance, end of year .....	35	22	22

**Budget authority and outlays, net:**

Mandatory:			
4090 Budget authority, gross .....	28	40	40
Outlays, gross:			
4100 Outlays from new mandatory authority .....		24	24
4101 Outlays from mandatory balances .....	6	29	16
4110 Outlays, gross (total) .....	6	53	40
4180 Budget authority, net (total) .....	28	40	40
4190 Outlays, net (total) .....	6	53	40

This account consists of contributions from organizations and individuals to fund various efforts in science, research, and education supported by NSF.

DONATIONS—Continued

Object Classification (in millions of dollars)

Identification code 049–8960–0–7–251		2023 actual	2024 est.	2025 est.
Direct obligations:				
23.3	Communications, utilities, and miscellaneous charges .....	1	1	1
41.0	Grants, subsidies, and contributions .....	22	39	39
99.0	Direct obligations .....	23	40	40
99.5	Adjustment for rounding .....	1		
99.9	Total new obligations, unexpired accounts .....	24	40	40

ADMINISTRATIVE PROVISIONS

(INCLUDING TRANSFERS OF FUNDS)

Not to exceed 5 percent of any appropriation made available for the current fiscal year for the National Science Foundation in this Act may be transferred between such appropriations, but no such appropriation shall be increased by more than 10 percent by any such transfers.

Any transfer pursuant to this paragraph shall be treated as a reprogramming of funds under section 504 of this Act and shall not be available for obligation except in compliance with the procedures set forth in that section.

The Director of the National Science Foundation (NSF) shall notify the Committees on Appropriations of the House of Representatives and the Senate at least 30 days in advance of any planned divestment through transfer, decommissioning, termination, or deconstruction of any NSF-owned facilities or any NSF capital assets (including land, structures, and equipment) valued greater than \$2,500,000.

GENERAL FUND RECEIPT ACCOUNTS

(in millions of dollars)

		2023 actual	2024 est.	2025 est.
Offsetting receipts from the public:				
049–320000	Collections of Receivables from Canceled Accounts .....	1	1	1
049–322000	All Other General Fund Proprietary Receipts Including Budget Clearing Accounts .....	3	5	5
General Fund Offsetting receipts from the public .....		4	6	6