

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; **[\$5,808,918,000] \$5,807,460,000**, to remain available until September 30, **[2015] 2016**, of which not to exceed \$520,000,000 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 not less than \$158,190,000 shall be available for activities authorized by section 7002(c)(2)(A)(iv) of Public Law 110–69]. (*Science Appropriations Act, 2014*.)

Program and Financing (in millions of dollars)

Identification code 49–0100–0–1–999	2013 actual	2014 est.	2015 est.
Obligations by program activity:			
0001 Biological Sciences	679	721	709
0002 Computer and Information Science and Engineering	858	894	893
0003 Engineering	820	859	858
0005 Geosciences	1,250	1,303	1,304
0006 Mathematical and Physical Sciences	1,274	1,300	1,296
0007 Social, Behavioral and Economic Sciences	243	257	272
0008 International and Integrative Activities	434	482	474
0013 Arctic Research Commission	1	1	1
0799 Total direct obligations	5,559	5,817	5,807
0801 Reimbursable programs	107	122	120
0900 Total new obligations	5,666	5,939	5,927
Budgetary Resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	18	10	.....
1021 Recoveries of prior year unpaid obligations	14	.....	.....
1050 Unobligated balance (total)	32	10	.....
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	5,983	5,809	5,807
1120 Appropriations transferred to other accts [49–0551]	–12	.....	.....
1120 Appropriations transferred to other accts [49–0180]	–13	.....	.....
1130 Appropriations permanently reduced - ATB Sec 3001(b)(1)(B)	–112	.....	.....
1130 Appropriations permanently reduced ATB Sec 3004(c)(1)	–12	.....	.....
1130 Appropriations permanently reduced - Sequester	–290	.....	.....
1160 Appropriation, discretionary (total)	5,544	5,809	5,807
Spending authority from offsetting collections, discretionary:			
1700 Collected	61	120	120
1701 Change in uncollected payments, Federal sources	43	.....	.....
1750 Spending auth from offsetting collections, disc (total)	104	120	120
1900 Budget authority (total)	5,648	5,929	5,927
1930 Total budgetary resources available	5,680	5,939	5,927
Memorandum (non-add) entries:			
1940 Unobligated balance expiring	–4	.....	.....
1941 Unexpired unobligated balance, end of year	10	.....	.....
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	9,508	9,058	9,223
3010 Obligations incurred, unexpired accounts	5,666	5,939	5,927
3011 Obligations incurred, expired accounts	51	.....	.....
3020 Outlays (gross)	–6,047	–5,774	–6,473
3040 Recoveries of prior year unpaid obligations, unexpired	–14	.....	.....
3041 Recoveries of prior year unpaid obligations, expired	–106	.....	.....
3050 Unpaid obligations, end of year	9,058	9,223	8,677
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	–126	–138	–138
3070 Change in uncollected pymts, Fed sources, unexpired	–43	.....	.....

3071 Change in uncollected pymts, Fed sources, expired	31	.....	.....
3090 Uncollected pymts, Fed sources, end of year	–138	–138	–138
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	9,382	8,920	9,085
3200 Obligated balance, end of year	8,920	9,085	8,539
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	5,648	5,929	5,927
Outlays, gross:			
4010 Outlays from new discretionary authority	827	1,282	1,282
4011 Outlays from discretionary balances	5,220	4,492	5,191
4020 Outlays, gross (total)	6,047	5,774	6,473
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	–92	–120	–120
Additional offsets against gross budget authority only:			
4050 Change in uncollected pymts, Fed sources, unexpired	–43	.....	.....
4052 Offsetting collections credited to expired accounts	31	.....	.....
4060 Additional offsets against budget authority only (total)	–12	.....	.....
4070 Budget authority, net (discretionary)	5,544	5,809	5,807
4080 Outlays, net (discretionary)	5,955	5,654	6,353
4180 Budget authority, net (total)	5,544	5,809	5,807
4190 Outlays, net (total)	5,955	5,654	6,353

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, which has direct impact on issues of national importance related to the environment, economy, agriculture, and human welfare. Research in this activity also promotes scientific progress in biology through support of research across scales, from molecules, cells, organisms, to ecosystems. This activity's investment portfolio includes projects on understanding the changing dynamics of the biosphere, research on the fundamental characteristics of biological energy systems, and efforts to broaden participation and develop the next generation of biological researchers.

Computer and Information Science and Engineering.—This activity supports investigator initiated research in all areas of computer and information science and engineering, helps develop and maintain cutting-edge national computational and information infrastructure for research and education generally, and contributes to the education and training of the next generation of computer and computational engineers.

Engineering.—Research supported by this activity aims to increase U.S. engineering capability and strength, and focus that capability and strength on areas that are relevant to national problems and long-term needs. This activity also includes small business innovation research.

Geosciences.—This activity supports research and associated infrastructure to advance knowledge of the properties and dynamics of the planet on which we live. Research includes understanding the causes and implications of climate change, as well as disruptive processes such as earthquakes and storms. Additionally, this activity supports Arctic and Antarctic research and operational science support and other related activities for United States polar research programs, including the funding to reimburse Federal agencies for logistical and other related activities supported by the United States Antarctic Program.

Mathematical and Physical Sciences.—Research in this activity is directed at increasing understanding of natural laws

RESEARCH AND RELATED ACTIVITIES—Continued

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 and Integrative Activities.—This activity supports emerging cross disciplinary research efforts; major research instrumentation; and promotes an integrated strategy for international science and engineering that complements and enhances NSF's broader research and education goals and facilitates international collaboration. This activity also provides support for the Science and Technology Policy Institute. The Experimental Program to Stimulate Competitive Research broadens participation of States and regions in science and engineering by helping institutions expand their research capacity and competitiveness.

The *United States Arctic Research Commission* 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 49-0100-0-1-999	2013 actual	2014 est.	2015 est.
Direct obligations:			
21.0 Travel and transportation of persons	13	18	18
25.1 Advisory and assistance services	100	95	95
25.2 Other services from non-Federal sources	7	7	7
25.3 Other goods and services from Federal sources	24	38	38
25.4 Operation and maintenance of facilities	336	338	338
25.5 Research and development contracts	5	6	6
26.0 Supplies and materials	1	2	2
31.0 Equipment	1	1	1
41.0 Grants, subsidies, and contributions	5,072	5,312	5,302
99.0 Direct obligations	5,559	5,817	5,807
99.0 Reimbursable obligations	107	122	120
99.9 Total new obligations	5,666	5,939	5,927

Employment Summary

Identification code 49-0100-0-1-999	2013 actual	2014 est.	2015 est.
1001 Direct civilian full-time equivalent employment	3	4	4

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, **[\$200,000,000]** *\$200,760,000*, to remain available until expended. (*Science Appropriations Act, 2014.*)

Program and Financing (in millions of dollars)

Identification code 49-0551-0-1-251	2013 actual	2014 est.	2015 est.
Obligations by program activity:			
0001 Major Research Equipment and Facilities Construction	196	201	201

Budgetary Resources:

Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	1	1	
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	196	200	201
1121 Appropriations transferred from other accts [49-0100]	12		
1130 Appropriations permanently reduced [ATB Section 3001(b)(1)(B)]	-3		
1130 Appropriations permanently reduced [ATB Section (3004)(c)(1)]	-1		
1130 Appropriations permanently reduced [Sequester]	-8		
1160 Appropriation, discretionary (total)	196	200	201
1930 Total budgetary resources available	197	201	201
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	1		

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	415	366	368
3010 Obligations incurred, unexpired accounts	196	201	201
3020 Outlays (gross)	-245	-199	-289
3050 Unpaid obligations, end of year	366	368	280
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	415	366	368
3200 Obligated balance, end of year	366	368	280

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	196	200	201
Outlays, gross:			
4010 Outlays from new discretionary authority		12	12
4011 Outlays from discretionary balances	245	187	277
4020 Outlays, gross (total)	245	199	289
4180 Budget authority, net (total)	196	200	201
4190 Outlays, net (total)	245	199	289

The Major Research Equipment and Facilities Construction activity supports the acquisition, construction, and commissioning of unique national research platforms and major research facilities and equipment. Performance of each construction project is measured against an established baseline at regular intervals and at major milestones.

Object Classification (in millions of dollars)

Identification code 49-0551-0-1-251	2013 actual	2014 est.	2015 est.
Direct obligations:			
25.7 Operation and maintenance of equipment	4	4	4
41.0 Grants, subsidies, and contributions	192	197	197
99.9 Total new obligations	196	201	201

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; **[\$298,000,000]** *\$338,230,000*: *Provided*, That not to exceed \$8,280 is for official reception and representation expenses: *Provided further*, That contracts may be entered into under this heading in fiscal year **[2014]** *2015* for maintenance and operation of facilities and for other services to be provided during the next fiscal year. (*Science Appropriations Act, 2014.*)

Program and Financing (in millions of dollars)

Identification code 49-0180-0-1-251	2013 actual	2014 est.	2015 est.
Obligations by program activity:			
0001 Agency Operations and Award Management	293	298	338

0801	Reimbursable programs	7	10	10
0900	Total new obligations	300	308	348
Budgetary Resources:				
Budget authority:				
Appropriations, discretionary:				
1100	Appropriation	299	298	338
1121	Appropriations transferred from other accts [49-0100]	13		
1121	Appropriations transferred from other accts [49-0106]	2		
1130	Appropriations permanently reduced [ATB Recission 3001(b)(1)(B)]	-5		
1130	Appropriations permanently reduced [ATB Recission (3004)(c)(1)]	-1		
1130	Appropriations permanently reduced [Sequester]	-15		
1160	Appropriation, discretionary (total)	293	298	338
Spending authority from offsetting collections, discretionary:				
1700	Collected	3	10	10
1701	Change in uncollected payments, Federal sources	4		
1750	Spending auth from offsetting collections, disc (total)	7	10	10
1900	Budget authority (total)	300	308	348
1930	Total budgetary resources available	300	308	348

Change in obligated balance:				
Unpaid obligations:				
3000	Unpaid obligations, brought forward, Oct 1	73	72	76
3010	Obligations incurred, unexpired accounts	300	308	348
3020	Outlays (gross)	-298	-304	-360
3041	Recoveries of prior year unpaid obligations, expired	-3		
3050	Unpaid obligations, end of year	72	76	64
Uncollected payments:				
3060	Uncollected pymts, Fed sources, brought forward, Oct 1		-4	-4
3070	Change in uncollected pymts, Fed sources, unexpired	-4		
3090	Uncollected pymts, Fed sources, end of year	-4	-4	-4
Memorandum (non-add) entries:				
3100	Obligated balance, start of year	73	68	72
3200	Obligated balance, end of year	68	72	60

Budget authority and outlays, net:				
Discretionary:				
4000	Budget authority, gross	300	308	348
Outlays, gross:				
4010	Outlays from new discretionary authority	241	255	287
4011	Outlays from discretionary balances	57	49	73
4020	Outlays, gross (total)	298	304	360
Offsets against gross budget authority and outlays:				
Offsetting collections (collected) from:				
4030	Federal sources	-3	-10	-10
Additional offsets against gross budget authority only:				
4050	Change in uncollected pymts, Fed sources, unexpired	-4		
4070	Budget authority, net (discretionary)	293	298	338
4080	Outlays, net (discretionary)	295	294	350
4180	Budget authority, net (total)	293	298	338
4190	Outlays, net (total)	295	294	350

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 49-0180-0-1-251				
		2013 actual	2014 est.	2015 est.
Direct obligations:				
Personnel compensation:				
11.1	Full-time permanent	145	146	150
11.3	Other than full-time permanent	12	14	14
11.5	Other personnel compensation	1	2	2
11.8	Special personal services payments		1	1
11.9	Total personnel compensation	158	163	167
12.1	Civilian personnel benefits	42	44	47
21.0	Travel and transportation of persons	4	5	5
23.1	Rental payments	26	31	35
23.3	Communications, utilities, and miscellaneous charges	4	3	3
25.1	Advisory and assistance services	33	25	31
25.2	Other services from non-Federal sources	16	12	14
25.3	Other goods and services from Federal sources	6	4	5
26.0	Supplies and materials	3	3	3

31.0	Equipment	1	8	28
99.0	Direct obligations	293	298	338
99.0	Reimbursable obligations	7	10	10
99.9	Total new obligations	300	308	348

Employment Summary

Identification code 49-0180-0-1-251				
		2013 actual	2014 est.	2015 est.
1001	Direct civilian full-time equivalent employment	1,319	1,329	1,352

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.), **[\$4,300,000]** \$4,370,000: Provided, That not to exceed \$2,500 shall be available for official reception and representation expenses. (Science Appropriations Act, 2014.)

Program and Financing (in millions of dollars)

Identification code 49-0350-0-1-251				
		2013 actual	2014 est.	2015 est.

Obligations by program activity:				
0001	Direct program activity	4	4	4

Budgetary Resources:				
Budget authority:				
Appropriations, discretionary:				
1100	Appropriation	4	4	4
1160	Appropriation, discretionary (total)	4	4	4
1930	Total budgetary resources available	4	4	4

Change in obligated balance:				
Unpaid obligations:				
3000	Unpaid obligations, brought forward, Oct 1	2	2	2
3010	Obligations incurred, unexpired accounts	4	4	4
3020	Outlays (gross)	-4	-4	-4
3050	Unpaid obligations, end of year	2	2	2
Memorandum (non-add) entries:				
3100	Obligated balance, start of year	2	2	2
3200	Obligated balance, end of year	2	2	2

Budget authority and outlays, net:				
Discretionary:				
4000	Budget authority, gross	4	4	4
Outlays, gross:				
4010	Outlays from new discretionary authority	3	3	3
4011	Outlays from discretionary balances	1	1	1
4020	Outlays, gross (total)	4	4	4
4180	Budget authority, net (total)	4	4	4
4190	Outlays, net (total)	4	4	4

This appropriation 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 49-0350-0-1-251				
		2013 actual	2014 est.	2015 est.
Direct obligations:				
11.1	Personnel compensation: Full-time permanent	2	2	2
12.1	Civilian personnel benefits	1	1	1
25.1	Advisory and assistance services	1	1	1
99.9	Total new obligations	4	4	4

OFFICE OF THE NATIONAL SCIENCE BOARD—Continued
Employment Summary

Identification code 49-0350-0-1-251	2013 actual	2014 est.	2015 est.
1001 Direct civilian full-time equivalent employment	18	19	19

OFFICE OF INSPECTOR GENERAL

For necessary expenses of the Office of Inspector General as authorized by the Inspector General Act of 1978, **[\$14,200,000]** \$14,430,000, of which \$400,000 shall remain available until September 30, **[2015]** 2016. (Science Appropriations Act, 2014.)

Program and Financing (in millions of dollars)

Identification code 49-0300-0-1-251	2013 actual	2014 est.	2015 est.
Obligations by program activity:			
0001 Direct program activity	14	14	14
Budgetary Resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	1		
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	14	14	14
1130 Appropriations permanently reduced	-1		
1160 Appropriation, discretionary (total)	13	14	14
1930 Total budgetary resources available	14	14	14
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1		2	3
3010 Obligations incurred, unexpired accounts	14	14	14
3020 Outlays (gross)	-14	-13	-13
3050 Unpaid obligations, end of year	2	3	4
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	2	2	3
3200 Obligated balance, end of year	2	3	4
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	13	14	14
Outlays, gross:			
4010 Outlays from new discretionary authority	12	11	11
4011 Outlays from discretionary balances	2	2	2
4020 Outlays, gross (total)	14	13	13
4180 Budget authority, net (total)	13	14	14
4190 Outlays, net (total)	14	13	13

This appropriation provides agency-wide audit and investigative functions to identify and correct management and administrative deficiencies which create conditions for existing or potential instances of fraud, waste, and mismanagement consistent with the Inspector General Act of 1978, as amended (5 U.S.C. App. 3).

Object Classification (in millions of dollars)

Identification code 49-0300-0-1-251	2013 actual	2014 est.	2015 est.
Direct obligations:			
11.1 Personnel compensation: Full-time permanent	9	9	9
12.1 Civilian personnel benefits	2	2	2
25.2 Other services from non-Federal sources		3	3
25.3 Other goods and services from Federal sources	3		
99.9 Total new obligations	14	14	14

Employment Summary

Identification code 49-0300-0-1-251	2013 actual	2014 est.	2015 est.
1001 Direct civilian full-time equivalent employment	77	71	73

EDUCATION AND HUMAN RESOURCES

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, **[\$846,500,000]** \$889,750,000, to remain available until September 30, **[2015: Provided, That not less than \$60,890,000 shall be available until expended for activities authorized by section 7030 of Public Law 110-69]** 2016. (Science Appropriations Act, 2014.)

Program and Financing (in millions of dollars)

Identification code 49-0106-0-1-251	2013 actual	2014 est.	2015 est.
Obligations by program activity:			
0001 Education and Human Resources	835	847	890
0100 Total Disc obligations	835	847	890
0302 Low income scholarship program	84	155	75
0303 ITTEST grants for Mathematics, Science, or Engineering enrichment courses	31	55	25
0391 Total Mandatory Obligations	115	210	100
0799 Total direct obligations	950	1,057	990
0801 Reimbursable programs	5	15	15
0900 Total new obligations	955	1,072	1,005
Budgetary Resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	104	105	
1001 Discretionary unobligated balance brought fwd, Oct 1	5	2	
1021 Recoveries of prior year unpaid obligations	7		
1050 Unobligated balance (total)	111	105	
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	896	847	890
1120 Appropriations transferred to other accts [49-0180]	-2		
1130 Appropriations permanently reduced [ATB Section (3001)(b)(1)(B)]	-16		
1130 Appropriations permanently reduced [ATB Section (3004)(c)(1)]	-2		
1130 Appropriations permanently reduced [Sequester]	-42		
1160 Appropriation, discretionary (total)	834	847	890
Appropriations, mandatory:			
1201 Appropriation (special or trust fund)	121	100	100
1203 Appropriation (previously unavailable)		5	
1232 Appropriations and/or unobligated balance of appropriations temporarily reduced	-5		
1260 Appropriations, mandatory (total)	116	105	100
Spending authority from offsetting collections, discretionary:			
1700 Collected	2	15	15
1701 Change in uncollected payments, Federal sources	-2		
1750 Spending auth from offsetting collections, disc (total)		15	15
1900 Budget authority (total)	950	967	1,005
1930 Total budgetary resources available	1,061	1,072	1,005
Memorandum (non-add) entries:			
1940 Unobligated balance expiring	-1		
1941 Unexpired unobligated balance, end of year	105		
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	1,895	1,937	2,119
3010 Obligations incurred, unexpired accounts	955	1,072	1,005
3020 Outlays (gross)	-885	-890	-1,118
3040 Recoveries of prior year unpaid obligations, unexpired	-7		
3041 Recoveries of prior year unpaid obligations, expired	-21		
3050 Unpaid obligations, end of year	1,937	2,119	2,006
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	-11	-5	-5
3070 Change in uncollected pymts, Fed sources, unexpired	2		
3071 Change in uncollected pymts, Fed sources, expired	4		
3090 Uncollected pymts, Fed sources, end of year	-5	-5	-5
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	1,884	1,932	2,114
3200 Obligated balance, end of year	1,932	2,114	2,001

Budget authority and outlays, net:			
Discretionary:			
4000	Budget authority, gross	834	862 905
Outlays, gross:			
4010	Outlays from new discretionary authority	92	133 140
4011	Outlays from discretionary balances	699	653 850
4020	Outlays, gross (total)	791	786 990
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030	Federal sources	-6	-15 -15
Additional offsets against gross budget authority only:			
4050	Change in uncollected pymts, Fed sources, unexpired	2	.....
4052	Offsetting collections credited to expired accounts	4	.....
4060	Additional offsets against budget authority only (total)	6	.....
4070	Budget authority, net (discretionary)	834	847 890
4080	Outlays, net (discretionary)	785	771 975
Mandatory:			
4090	Budget authority, gross	116	105 100
Outlays, gross:			
4100	Outlays from new mandatory authority .....	.....	12 11
4101	Outlays from mandatory balances	94	92 117
4110	Outlays, gross (total)	94	104 128
4180	Budget authority, net (total)	950	952 990
4190	Outlays, net (total)	879	875 1,103

The Education and Human Resources (EHR) 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, EHR collaborates with other NSF research units, federal agencies, and promotes public-private partnerships. EHR 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. EHRs 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 EHR programs aim to broaden participation of groups underrepresented in STEM fields by, for example, improving infrastructure and academic programs at minority-serving institutions. STEM-education evaluation activities ensure accountability by developing indicators that measure program impact and informing the education community of best practices and other relevant findings. EHR 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 49-0106-0-1-251			
	2013 actual	2014 est.	2015 est.
Direct obligations:			
21.0	Travel and transportation of persons	2	4 4
25.1	Advisory and assistance services	23	23 23
25.2	Other services from non-Federal sources	2	2 2
25.3	Other goods and services from Federal sources	1	1 1
41.0	Grants, subsidies, and contributions	922	1,027 960
99.0	Direct obligations	950	1,057 990

99.0	Reimbursable obligations	5	15 15
99.9	Total new obligations	955	1,072 1,005

Trust Funds

DONATIONS

Special and Trust Fund Receipts (in millions of dollars)

Identification code 49-8960-0-7-251			
	2013 actual	2014 est.	2015 est.
0100	Balance, start of year .....	.....	.....
Receipts:			
0220	Donations, National Science Foundation	40	45 45
0400	Total: Balances and collections	40	45 45
Appropriations:			
0500	Donations	-40	-45 -45
0799	Balance, end of year .....	.....	.....

Program and Financing (in millions of dollars)

Identification code 49-8960-0-7-251			
	2013 actual	2014 est.	2015 est.
Obligations by program activity:			
0001	Atacama Large Millimeter Array	6	10 10
0002	Gemini Telescope	16	15 15
0003	B&M Gates Foundation	2	32
0004	US Civilian Research	18	15 15
0005	General Trust Fund	8	5 5
0900	Total new obligations	50	77 45

Budgetary Resources:			
Unobligated balance:			
1000	Unobligated balance brought forward, Oct 1	42	32
Budget authority:			
Appropriations, mandatory:			
1201	Appropriation (special or trust fund)	40	45 45
1260	Appropriations, mandatory (total)	40	45 45
1930	Total budgetary resources available	82	77 45
Memorandum (non-add) entries:			
1941	Unexpired unobligated balance, end of year	32	.....

Change in obligated balance:			
Unpaid obligations:			
3000	Unpaid obligations, brought forward, Oct 1	52	34 52
3010	Obligations incurred, unexpired accounts	50	77 45
3020	Outlays (gross)	-68	-59 -38
3050	Unpaid obligations, end of year	34	52 59
Memorandum (non-add) entries:			
3100	Obligated balance, start of year	52	34 52
3200	Obligated balance, end of year	34	52 59

Budget authority and outlays, net:			
Mandatory:			
4090	Budget authority, gross	40	45 45
Outlays, gross:			
4100	Outlays from new mandatory authority .....	.....	27 27
4101	Outlays from mandatory balances	68	32 11
4110	Outlays, gross (total)	68	59 38
4180	Budget authority, net (total)	40	45 45
4190	Outlays, net (total)	68	59 38

This account consists of contributions from foreign governments, organizations, and individuals to fund various cooperative efforts in science, research, and education. These efforts include major international projects, such as operation of the Gemini telescopes, and the NSF ocean drilling program. Other smaller activities supported include cooperative research, joint seminars, exchange of senior scientists, short-term research development visits, international conferences, and support for certain special functions of NSF and the National Science Board. These funds are not otherwise available.

DONATIONS—Continued
Object Classification (in millions of dollars)

Identification code 49–8960–0–7–251	2013 actual	2014 est.	2015 est.
Direct obligations:			
25.4 Operation and maintenance of facilities	18	18	18
41.0 Grants, subsidies, and contributions	32	59	27
99.9 Total new obligations	50	77	45

ADMINISTRATIVE PROVISION

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 15 percent by any such transfers. Any transfer pursuant to this section shall be treated as a reprogramming of funds under section **[505] 504** of this Act and shall not be available for obligation except in compliance with the procedures set forth in that section. (*Science Appropriations Act, 2014.*)

GENERAL FUND RECEIPT ACCOUNTS

(in millions of dollars)

	2013 actual	2014 est.	2015 est.
Offsetting receipts from the public:			
49–322000 All Other General Fund Proprietary Receipts Including Budget			
Clearing Accounts	3	2	2
General Fund Offsetting receipts from the public	3	2	2