

# NATIONAL SCIENCE FOUNDATION

## Federal Funds

### RESEARCH AND RELATED ACTIVITIES

*For necessary expenses in carrying out the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861–1875), and the Act to establish a National Medal of Science (42 U.S.C. 1880–1881); services as authorized by 5 U.S.C. 3109; maintenance and operation of aircraft and purchase of flight services for research support; acquisition of aircraft; and authorized travel; \$6,212,290,000, to remain available until September 30, 2015, 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.*

Note.—A full-year 2013 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 Resolution, 2013 (P.L. 112–175). The amounts included for 2013 reflect the annualized level provided by the continuing resolution.

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

Identification code 49–0100–0–1–999	2012 actual	2013 CR	2014 est.
<b>Obligations by program activity:</b>			
0001 Biological Sciences .....	712	712	761
0002 Computer and Information Science and Engineering .....	653	865	950
0003 Engineering .....	825	832	911
0004 EPSCoR .....	151	.....	.....
0005 Geosciences .....	885	1,328	1,394
0006 Mathematical and Physical Sciences .....	1,309	1,310	1,386
0007 Social, Behavioral and Economic Sciences .....	254	254	272
0008 Office of International Science and Engineering .....	50	.....	.....
0009 U.S. Polar Research Programs .....	368	.....	.....
0010 U.S. Antarctic Logistical Support Activities .....	68	.....	.....
0011 International and Integrative Activities .....	198	400	542
0012 Office of Cyberinfrastructure .....	284	.....	.....
0013 Arctic Research Commission .....	1	1	1
0014 CR Increment .....	.....	65	.....
0799 Total direct obligations .....	5,758	5,767	6,217
0801 Reimbursable programs .....	97	124	120
0900 Total new obligations .....	5,855	5,891	6,337
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	7	17	.....
1021 Recoveries of prior year unpaid obligations .....	85	.....	.....
1050 Unobligated balance (total) .....	92	17	.....
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation .....	5,719	5,754	6,212
1120 Appropriations transferred to other accts [49–0551] .....	–30	.....	.....
1121 Appropriations transferred from other accts [15–0401] .....	.....	.....	5
1160 Appropriation, discretionary (total) .....	5,689	5,754	6,217
Spending authority from offsetting collections, discretionary:			
1700 Collected .....	68	120	120
1701 Change in uncollected payments, Federal sources .....	25	.....	.....
1750 Spending auth from offsetting collections, disc (total) .....	93	120	120
1900 Budget authority (total) .....	5,782	5,874	6,337
1930 Total budgetary resources available .....	5,874	5,891	6,337
Memorandum (non-add) entries:			
1940 Unobligated balance expiring .....	–2	.....	.....
1941 Unexpired unobligated balance, end of year .....	17	.....	.....
<b>Change in obligated balance:</b>			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1 .....	9,586	9,507	8,706
3010 Obligations incurred, unexpired accounts .....	5,855	5,891	6,337
3011 Obligations incurred, expired accounts .....	2	.....	.....
3020 Outlays (gross) .....	–5,813	–6,692	–6,026
3040 Recoveries of prior year unpaid obligations, unexpired .....	–85	.....	.....
3041 Recoveries of prior year unpaid obligations, expired .....	–38	.....	.....
3050 Unpaid obligations, end of year .....	9,507	8,706	9,017

Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1 .....	–127	–125	–125
3070 Change in uncollected pymts, Fed sources, unexpired .....	–25	.....	.....
3071 Change in uncollected pymts, Fed sources, expired .....	27	.....	.....
3090 Uncollected pymts, Fed sources, end of year .....	–125	–125	–125
Memorandum (non-add) entries:			
3100 Obligated balance, start of year .....	9,459	9,382	8,581
3200 Obligated balance, end of year .....	9,382	8,581	8,892
<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000 Budget authority, gross .....	5,782	5,874	6,337
Outlays, gross:			
4010 Outlays from new discretionary authority .....	842	1,271	1,364
4011 Outlays from discretionary balances .....	4,971	5,421	4,662
4020 Outlays, gross (total) .....	5,813	6,692	6,026
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources .....	–93	–120	–120
Additional offsets against gross budget authority only:			
4050 Change in uncollected pymts, Fed sources, unexpired .....	–25	.....	.....
4052 Offsetting collections credited to expired accounts .....	25	.....	.....
4070 Budget authority, net (discretionary) .....	5,689	5,754	6,217
4080 Outlays, net (discretionary) .....	5,720	6,572	5,906
4180 Budget authority, net (total) .....	5,689	5,754	6,217
4190 Outlays, net (total) .....	5,720	6,572	5,906

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 promotes scientific progress in biology through support of research on all levels, including molecules, cells, organisms, and ecosystems. This activity also supports a comprehensive research initiative on plant genomes, including research on economically significant crops.

**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 and phenomena across the astronomical sciences, chemistry, materials sciences, mathematical sciences, and physics. This fundamental research provides the long-term underpinnings for advances in areas such as sustainable energy and economic competitiveness.

RESEARCH AND RELATED ACTIVITIES—Continued

*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	2012 actual	2013 CR	2014 est.
Direct obligations:			
21.0 Travel and transportation of persons .....	18	17	17
25.1 Advisory and assistance services .....	99	99	95
25.2 Other services from non-Federal sources .....	7	7	7
25.3 Other goods and services from Federal sources .....	38	38	38
25.4 Operation and maintenance of facilities .....	338	339	343
25.5 Research and development contracts .....	6	6	6
26.0 Supplies and materials .....	2	2	2
31.0 Equipment .....	1	1	1
41.0 Grants, subsidies, and contributions .....	5,249	5,258	5,708
99.0 Direct obligations .....	5,758	5,767	6,217
99.0 Reimbursable obligations .....	97	124	120
99.9 Total new obligations .....	5,855	5,891	6,337

Employment Summary

Identification code 49-0100-0-1-999	2012 actual	2013 CR	2014 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, as amended (42 U.S.C. 1861-1875), including authorized travel, \$210,120,000, to remain available until expended.

Note.—A full-year 2013 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 Resolution, 2013 (P.L. 112-175). The amounts included for 2013 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 49-0551-0-1-251	2012 actual	2013 CR	2014 est.
<b>Obligations by program activity:</b>			
0001 Major Research Equipment and Facilities Construction .....	198	169	210
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	1	1	
1021 Recoveries of prior year unpaid obligations .....	1		
1050 Unobligated balance (total) .....	2	1	

Budget authority:

Appropriations, discretionary:			
1100 Appropriation .....	167	168	210
1121 Appropriations transferred from other accts [49-0100] ....	30		
1160 Appropriation, discretionary (total) .....	197	168	210
1930 Total budgetary resources available .....	199	169	210
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 .....	494	415	232
3010 Obligations incurred, unexpired accounts .....	198	169	210
3020 Outlays (gross) .....	-276	-352	-135
3040 Recoveries of prior year unpaid obligations, unexpired .....	-1		
3050 Unpaid obligations, end of year .....	415	232	307
Memorandum (non-add) entries:			
3100 Obligated balance, start of year .....	494	415	232
3200 Obligated balance, end of year .....	415	232	307

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross .....	197	168	210
Outlays, gross:			
4010 Outlays from new discretionary authority .....		10	13
4011 Outlays from discretionary balances .....	276	342	122
4020 Outlays, gross (total) .....	276	352	135
4180 Budget authority, net (total) .....	197	168	210
4190 Outlays, net (total) .....	276	352	135

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	2012 actual	2013 CR	2014 est.
Direct obligations:			
25.5 Research and development contracts .....	1	1	1
41.0 Grants, subsidies, and contributions .....	197	168	209
99.9 Total new obligations .....	198	169	210

AGENCY OPERATIONS AND AWARD MANAGEMENT

For agency operations and award management necessary in carrying out the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-1875); services authorized by 5 U.S.C. 3109; hire of passenger motor vehicles; not to exceed \$8,280 for official reception and representation expenses; uniforms or allowances therefor, as authorized by 5 U.S.C. 5901-5902; rental of conference rooms in the District of Columbia; and reimbursement of the Department of Homeland Security for security guard services; \$304,290,000: Provided, That contracts may be entered into under this heading in fiscal year 2014 for maintenance and operation of facilities, and for other services, to be provided during the next fiscal year.

Note.—A full-year 2013 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 Resolution, 2013 (P.L. 112-175). The amounts included for 2013 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 49-0180-0-1-251	2012 actual	2013 CR	2014 est.
<b>Obligations by program activity:</b>			
0001 Agency Operations and Award Management .....	299	301	304
0801 Reimbursable programs .....	6	10	10
0900 Total new obligations .....	305	311	314

<b>Budgetary Resources:</b>			
Budget authority:			
1100	Appropriations, discretionary:		
	Appropriation .....	299	301
1160	Appropriation, discretionary (total) .....	299	301
1700	Spending authority from offsetting collections, discretionary:		
	Collected .....	6	10
1750	Spending auth from offsetting collections, disc (total) .....	6	10
1900	Budget authority (total) .....	305	311
1930	Total budgetary resources available .....	305	311
<b>Change in obligated balance:</b>			
Unpaid obligations:			
3000	Unpaid obligations, brought forward, Oct 1 .....	73	73
3010	Obligations incurred, unexpired accounts .....	305	311
3020	Outlays (gross) .....	-302	-326
3041	Recoveries of prior year unpaid obligations, expired .....	-3	
3050	Unpaid obligations, end of year .....	73	58
Uncollected payments:			
3060	Uncollected pymts, Fed sources, brought forward, Oct 1 .....	-1	
3071	Change in uncollected pymts, Fed sources, expired .....	1	
Memorandum (non-add) entries:			
3100	Obligated balance, start of year .....	72	73
3200	Obligated balance, end of year .....	73	58

<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000	Budget authority, gross .....	305	311
Outlays, gross:			
4010	Outlays from new discretionary authority .....	245	256
4011	Outlays from discretionary balances .....	57	70
4020	Outlays, gross (total) .....	302	326
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030	Federal sources .....	-7	-10
Additional offsets against gross budget authority only:			
4052	Offsetting collections credited to expired accounts .....	1	
4070	Budget authority, net (discretionary) .....	299	301
4080	Outlays, net (discretionary) .....	295	316
4180	Budget authority, net (total) .....	299	301
4190	Outlays, net (total) .....	295	316

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	2012 actual	2013 CR	2014 est.
Direct obligations:			
Personnel compensation:			
11.1	Full-time permanent .....	143	146
11.3	Other than full-time permanent .....	13	13
11.5	Other personnel compensation .....	2	2
11.8	Special personal services payments .....		1
11.9	Total personnel compensation .....	158	162
12.1	Civilian personnel benefits .....	42	42
21.0	Travel and transportation of persons .....	5	6
23.1	Rental payments .....	26	27
23.3	Communications, utilities, and miscellaneous charges .....	3	2
25.1	Advisory and assistance services .....	43	44
25.2	Other services from non-Federal sources .....	9	8
25.3	Other goods and services from Federal sources .....	7	2
26.0	Supplies and materials .....	4	4
31.0	Equipment .....	2	4
99.0	Direct obligations .....	299	301
99.0	Reimbursable obligations .....	6	10
99.9	Total new obligations .....	305	311

**Employment Summary**

Identification code 49-0180-0-1-251	2012 actual	2013 CR	2014 est.
1001	Direct civilian full-time equivalent employment .....	1,320	1,323

**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, as amended (42 U.S.C. 1863) and Public Law 86-209 (42 U.S.C. 1880 et seq.), \$4,470,000: Provided, That not to exceed \$2,500 shall be available for official reception and representation expenses.

Note.—A full-year 2013 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 Resolution, 2013 (P.L. 112-175). The amounts included for 2013 reflect the annualized level provided by the continuing resolution.

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

Identification code 49-0350-0-1-251	2012 actual	2013 CR	2014 est.
<b>Obligations by program activity:</b>			
0001	Direct program activity .....	4	4
<b>Budgetary Resources:</b>			
Budget authority:			
Appropriations, discretionary:			
1100	Appropriation .....	4	4
1160	Appropriation, discretionary (total) .....	4	4
1930	Total budgetary resources available .....	4	4
<b>Change in obligated balance:</b>			
Unpaid obligations:			
3000	Unpaid obligations, brought forward, Oct 1 .....	1	1
3010	Obligations incurred, unexpired accounts .....	4	4
3020	Outlays (gross) .....	-4	-3
3050	Unpaid obligations, end of year .....	1	2
Memorandum (non-add) entries:			
3100	Obligated balance, start of year .....	1	1
3200	Obligated balance, end of year .....	1	2
<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000	Budget authority, gross .....	4	4
Outlays, gross:			
4010	Outlays from new discretionary authority .....	3	3
4011	Outlays from discretionary balances .....	1	
4020	Outlays, gross (total) .....	4	3
4180	Budget authority, net (total) .....	4	4
4190	Outlays, net (total) .....	4	3

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	2012 actual	2013 CR	2014 est.
Direct obligations:			
11.1	Personnel compensation: Full-time permanent .....	2	2
12.1	Civilian personnel benefits .....	1	1
25.1	Advisory and assistance services .....	1	1
99.9	Total new obligations .....	4	4

OFFICE OF THE NATIONAL SCIENCE BOARD—Continued  
**Employment Summary**

Identification code 49-0350-0-1-251	2012 actual	2013 CR	2014 est.
1001 Direct civilian full-time equivalent employment .....	17	18	19

**Employment Summary**

Identification code 49-0300-0-1-251	2012 actual	2013 CR	2014 est.
1001 Direct civilian full-time equivalent employment .....	78	78	78

OFFICE OF INSPECTOR GENERAL

*For necessary expenses of the Office of Inspector General as authorized by the Inspector General Act of 1978, as amended, \$14,320,000, to remain available until September 30, 2014, of which not to exceed \$400,000, shall remain available until September 30, 2015.*

Note.—A full-year 2013 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 Resolution, 2013 (P.L. 112-175). The amounts included for 2013 reflect the annualized level provided by the continuing resolution.

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

Identification code 49-0300-0-1-251	2012 actual	2013 CR	2014 est.
<b>Obligations by program activity:</b>			
0001 Direct program activity .....	15	15	14
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	2	1	
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation .....	14	14	14
1160 Appropriation, discretionary (total) .....	14	14	14
1930 Total budgetary resources available .....	16	15	14
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year .....	1		
<b>Change in obligated balance:</b>			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1 .....	3	3	4
3010 Obligations incurred, unexpired accounts .....	15	15	14
3020 Outlays (gross) .....	-15	-14	-13
3050 Unpaid obligations, end of year .....	3	4	5
Memorandum (non-add) entries:			
3100 Obligated balance, start of year .....	3	3	4
3200 Obligated balance, end of year .....	3	4	5
<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000 Budget authority, gross .....	14	14	14
Outlays, gross:			
4010 Outlays from new discretionary authority .....	12	11	11
4011 Outlays from discretionary balances .....	3	3	2
4020 Outlays, gross (total) .....	15	14	13
4180 Budget authority, net (total) .....	14	14	14
4190 Outlays, net (total) .....	15	14	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	2012 actual	2013 CR	2014 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 .....	4	4	3
99.9 Total new obligations .....	15	15	14

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, as amended (42 U.S.C. 1861-1875), including services as authorized by 5 U.S.C. 3109, authorized travel, and rental of conference rooms in the District of Columbia, \$880,290,000, to remain available until September 30, 2015.*

Note.—A full-year 2013 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 Resolution, 2013 (P.L. 112-175). The amounts included for 2013 reflect the annualized level provided by the continuing resolution.

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

Identification code 49-0106-0-1-251	2012 actual	2013 CR	2014 est.
<b>Obligations by program activity:</b>			
0001 Undergraduate education .....	304		
0002 Graduate education .....	168		
0003 Human resource development .....	124		
0004 Research on learning in formal and informal settings .....	235		
0005 Education and Human Resources .....		835	880
0091 Subtotal Appropriated Activities .....	831	835	880
Mandatory H-1B Immigrant Petitioner Fees Activities:			
0100 Mandatory H-1B Immigrant Petitioner Activities .....	831	835	880
0101 Low income scholarship program .....	73		
0102 ITEST grants for mathematics, science, or engineering enrichment courses .....	21		
0103 Mandatory H-1B Immigrant Petitioner Activities .....		199	100
0191 Subtotal Mandatory H-1B Non-Immigrant Petitioner Fee Activities .....	94	199	100
0200 Total direct obligations .....	925	1,034	980
0799 Total direct obligations .....	925	1,034	980
0801 Reimbursable programs .....	4	19	15
0900 Total new obligations .....	929	1,053	995
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	65	104	
1001 Discretionary unobligated balance brought fwd, Oct 1 .....	4	5	
1021 Recoveries of prior year unpaid obligations .....	6		
1050 Unobligated balance (total) .....	71	104	
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation .....	829	834	880
1120 Appropriations transferred to other accts [49-0106] .....	-55		
1121 Appropriations transferred from other accts [49-0106] .....	55		
1160 Appropriation, discretionary (total) .....	829	834	880
Appropriations, mandatory:			
1201 Appropriation (special or trust fund) .....	129	100	100
1260 Appropriations, mandatory (total) .....	129	100	100
Spending authority from offsetting collections, discretionary:			
1700 Collected .....	3	15	15
1701 Change in uncollected payments, Federal sources .....	1		
1750 Spending auth from offsetting collections, disc (total) .....	4	15	15
1900 Budget authority (total) .....	962	949	995
1930 Total budgetary resources available .....	1,033	1,053	995
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year .....	104		
<b>Change in obligated balance:</b>			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1 .....	1,934	1,897	1,856
3010 Obligations incurred, unexpired accounts .....	929	1,053	995
3011 Obligations incurred, expired accounts .....	1		
3020 Outlays (gross) .....	-948	-1,094	-1,012
3040 Recoveries of prior year unpaid obligations, unexpired .....	-6		

3041	Recoveries of prior year unpaid obligations, expired .....	-13		
3050	Unpaid obligations, end of year .....	1,897	1,856	1,839
	Uncollected payments:			
3060	Uncollected pymts, Fed sources, brought forward, Oct 1 .....	-12	-11	-11
3070	Change in uncollected pymts, Fed sources, unexpired .....	-1		
3071	Change in uncollected pymts, Fed sources, expired .....	2		
3090	Uncollected pymts, Fed sources, end of year .....	-11	-11	-11
	Memorandum (non-add) entries:			
3100	Obligated balance, start of year .....	1,922	1,886	1,845
3200	Obligated balance, end of year .....	1,886	1,845	1,828
<b>Budget authority and outlays, net:</b>				
Discretionary:				
4000	Budget authority, gross .....	833	849	895
	Outlays, gross:			
4010	Outlays from new discretionary authority .....	91	131	139
4011	Outlays from discretionary balances .....	748	828	752
4020	Outlays, gross (total) .....	839	959	891
	Offsets against gross budget authority and outlays:			
	Offsetting collections (collected) from:			
4030	Federal sources .....	-5	-15	-15
	Additional offsets against gross budget authority only:			
4050	Change in uncollected pymts, Fed sources, unexpired .....	-1		
4052	Offsetting collections credited to expired accounts .....	2		
4060	Additional offsets against budget authority only (total) .....	1		
4070	Budget authority, net (discretionary) .....	829	834	880
4080	Outlays, net (discretionary) .....	834	944	876
Mandatory:				
4090	Budget authority, gross .....	129	100	100
	Outlays, gross:			
4100	Outlays from new mandatory authority .....		11	11
4101	Outlays from mandatory balances .....	109	124	110
4110	Outlays, gross (total) .....	109	135	121
4180	Budget authority, net (total) .....	958	934	980
4190	Outlays, net (total) .....	943	1,079	997

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	2012 actual	2013 CR	2014 est.	
<b>Direct obligations:</b>				
21.0	Travel and transportation of persons .....	4	4	4
25.1	Advisory and assistance services .....	27	27	27
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 .....	891	1,000	946
99.0	Direct obligations .....	925	1,034	980
99.0	Reimbursable obligations .....	4	19	15
99.9	Total new obligations .....	929	1,053	995

**Trust Funds**

**DONATIONS**

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

Identification code 49-8960-0-7-251	2012 actual	2013 CR	2014 est.	
0100	Balance, start of year .....			
<b>Receipts:</b>				
0220	Donations, National Science Foundation .....	47	25	25
0400	Total: Balances and collections .....	47	25	25
<b>Appropriations:</b>				
0500	Donations .....	-47	-25	-25
0799	Balance, end of year .....			

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

Identification code 49-8960-0-7-251	2012 actual	2013 CR	2014 est.	
<b>Obligations by program activity:</b>				
0001	Atacama Large Millimeter Array .....	19	19	10
0002	Gemini Telescope .....	1	40	15
0003	B&M Gates Foundation .....	5	7	
0004	US Civilian Research .....	32		
0005	Direct program activity .....	1		
0900	Total new obligations .....	58	66	25
<b>Budgetary Resources:</b>				
Unobligated balance:				
1000	Unobligated balance brought forward, Oct 1 .....	52	41	
Budget authority:				
Appropriations, mandatory:				
1201	Appropriation (special or trust fund) .....	47	25	25
1260	Appropriations, mandatory (total) .....	47	25	25
1930	Total budgetary resources available .....	99	66	25
Memorandum (non-add) entries:				
1941	Unexpired unobligated balance, end of year .....	41		
<b>Change in obligated balance:</b>				
Unpaid obligations:				
3000	Unpaid obligations, brought forward, Oct 1 .....	46	53	64
3010	Obligations incurred, unexpired accounts .....	58	66	25
3020	Outlays (gross) .....	-51	-55	-31
3050	Unpaid obligations, end of year .....	53	64	58
Memorandum (non-add) entries:				
3100	Obligated balance, start of year .....	46	53	64
3200	Obligated balance, end of year .....	53	64	58
<b>Budget authority and outlays, net:</b>				
Mandatory:				
4090	Budget authority, gross .....	47	25	25
Outlays, gross:				
4100	Outlays from new mandatory authority .....		15	15
4101	Outlays from mandatory balances .....	51	40	16
4110	Outlays, gross (total) .....	51	55	31
4180	Budget authority, net (total) .....	47	25	25
4190	Outlays, net (total) .....	51	55	31

This account consists of contributions from foreign governments, organizations, and individuals to fund various cooperative efforts

DONATIONS—Continued

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.

Object Classification (in millions of dollars)

Identification code 49-8960-0-7-251	2012 actual	2013 CR	2014 est.
Direct obligations:			
25.4 Operation and maintenance of facilities .....	32	32	16
41.0 Grants, subsidies, and contributions .....	26	34	9
99.9 Total new obligations .....	58	66	25

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 504 of this Act and shall not be available for obligation except in compliance with the procedures set forth in that section.*

GENERAL FUND RECEIPT ACCOUNTS

(in millions of dollars)

	2012 actual	2013 CR	2014 est.
Offsetting receipts from the public:			
49-32200 All Other General Fund Proprietary Receipts Including Budget Clearing Accounts .....	2	2	2
General Fund Offsetting receipts from the public .....	2	2	2