

# 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; \$5,131,690,000, to remain available until September 30, 2009, of which not to exceed \$510,000,000 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 regular 2007 appropriation for this account had not been enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 109–289, Division B, as amended). The amounts included for 2007 in this budget reflect the levels provided by the continuing resolution.

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

Identification code 49–0100–0–1–999	2006 actual	2007 est.	2008 est.
<b>Obligations by program activity:</b>			
00.01 Biological sciences .....	581	577	633
00.02 Computer and information science and engineering .....	496	497	574
00.03 Engineering .....	585	582	683
00.05 Geosciences .....	704	703	792
00.06 Mathematical and physical sciences .....	1,087	1,086	1,253
00.07 Social, behavioral and economic sciences .....	201	200	222
00.08 Office of International Science and Engineering .....	43	35	45
00.09 U.S. polar research programs .....	324	323	397
00.10 U.S. Antarctic logistical support activities .....	67	67	68
00.11 Integrative activities .....	135	141	263
00.12 Office of Cyberinfrastructure .....	127	127	200
00.13 Arctic Research Commission .....	1	1	2
09.01 Reimbursable programs .....	87	120	120
10.00 Total new obligations .....	4,438	4,459	5,252
<b>Budgetary resources available for obligation:</b>			
21.40 Unobligated balance carried forward, start of year .....	7	6	.....
22.00 New budget authority (gross) .....	4,428	4,453	5,252
22.10 Resources available from recoveries of prior year obligations .....	9	.....	.....
23.90 Total budgetary resources available for obligation .....	4,444	4,459	5,252
23.95 Total new obligations .....	–4,438	–4,459	–5,252
24.40 Unobligated balance carried forward, end of year .....	6	.....	.....
<b>New budget authority (gross), detail:</b>			
<b>Discretionary:</b>			
40.00 Appropriation .....	4,388	4,333	5,132
40.35 Appropriation permanently reduced .....	–56	.....	.....
42.00 Transferred from other accounts .....	8	.....	.....
43.00 Appropriation (total discretionary) .....	4,340	4,333	5,132
<b>Spending authority from offsetting collections:</b>			
58.00 Offsetting collections (cash) .....	75	120	120
58.10 Change in uncollected customer payments from Federal sources (unexpired) .....	13	.....	.....
58.90 Spending authority from offsetting collections (total discretionary) .....	88	120	120
70.00 Total new budget authority (gross) .....	4,428	4,453	5,252
<b>Change in obligated balances:</b>			
72.40 Obligated balance, start of year .....	5,469	5,652	5,599
73.10 Total new obligations .....	4,438	4,459	5,252
73.20 Total outlays (gross) .....	–4,245	–4,512	–4,680
73.40 Adjustments in expired accounts (net) .....	–16	.....	.....
73.45 Recoveries of prior year obligations .....	–9	.....	.....

74.00 Change in uncollected customer payments from Federal sources (unexpired) .....	–13	.....	.....
74.10 Change in uncollected customer payments from Federal sources (expired) .....	28	.....	.....
74.40 Obligated balance, end of year .....	5,652	5,599	6,171
<b>Outlays (gross), detail:</b>			
86.90 Outlays from new discretionary authority .....	797	1,276	1,491
86.93 Outlays from discretionary balances .....	3,448	3,236	3,189
87.00 Total outlays (gross) .....	4,245	4,512	4,680
<b>Offsets:</b>			
<b>Against gross budget authority and outlays:</b>			
88.00 Offsetting collections (cash) from: Federal sources .....	–103	–120	–120
<b>Against gross budget authority only:</b>			
88.95 Change in uncollected customer payments from Federal sources (unexpired) .....	–13	.....	.....
88.96 Portion of offsetting collections (cash) credited to expired accounts .....	28	.....	.....
<b>Net budget authority and outlays:</b>			
89.00 Budget authority .....	4,340	4,333	5,132
90.00 Outlays .....	4,142	4,392	4,560

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. This appropriation provides resources for the National Science Foundation (NSF) to achieve the following strategic outcome goals: Discovery—fostering research that will advance the frontiers of knowledge, emphasizing areas of greatest opportunity and potential benefit and establishing the Nation as a global leader in fundamental and transformational science and engineering; Learning—cultivating a world-class, broadly inclusive science and engineering workforce and expanding the scientific literacy of all citizens; and Research Infrastructure—building the Nation’s research capability through critical investments in advanced instrumentation, facilities, cyberinfrastructure, and experimental tools. Research activities will contribute to the achievement of these goals by advancing discovery, innovation, and education beyond the frontiers of current knowledge and empowering future generations in science and engineering. This appropriation supports NSF’s active development of performance indicators.

The major research program activities of NSF are:

**Biological sciences.**—This activity promotes scientific progress in biology through support of research ranging from the study of molecules, through cells and organisms, to studies of ecosystems. This activity also supports a comprehensive research initiative on plant genomes, including research on economically significant crops.

**Computer and information science and engineering.**—Research is directed at “information technology” in the broadest sense of the term, ranging from fundamental theory to systems engineering.

**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 research advances knowledge of the properties and dynamics of Earth.

**Mathematical and physical sciences.**—Research in this activity is directed at increasing understanding of natural laws and phenomena. It includes research in mathematical

RESEARCH AND RELATED ACTIVITIES—Continued

sciences, astronomy, physics, chemistry, and materials science.

*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.*—This activity promotes an integrated strategy for international science and engineering which complements and enhances NSF's broader research and education goals and which facilitates international collaboration.

*U.S. polar research programs.*—This activity supports Arctic and Antarctic research and operational science support and other related activities for United States polar research programs.

*U.S. Antarctic logistical support activities.*—This activity provides funding to reimburse Federal agencies for logistical and other related activities supported by the United States Antarctic Program.

*Integrative activities.*—This activity supports emerging cross-disciplinary research efforts and major research instrumentation. 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.

*Office of Cyberinfrastructure.*—This activity supports acquisitions, operations, and upgrades of cyberinfrastructure in support of the Nation's science and engineering research and education community.

The 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	2006 actual	2007 est.	2008 est.
Direct obligations:			
21.0 Travel and transportation of persons .....	11	11	10
25.1 Advisory and assistance services .....	46	46	38
25.2 Other services .....	2	2	3
25.3 Other purchases of goods and services from Government accounts .....	11	11	13
25.4 Operation and maintenance of facilities .....	34	34	196
25.5 Research and development contracts .....	15	15	6
31.0 Equipment .....	1	1	1
41.0 Grants, subsidies, and contributions .....	4,231	4,219	4,865
99.0 Direct obligations .....	4,351	4,339	5,132
99.0 Reimbursable obligations .....	87	120	120
99.9 Total new obligations .....	4,438	4,459	5,252

Employment Summary

Identification code 49-0100-0-1-999	2006 actual	2007 est.	2008 est.
Direct:			
1001 Civilian full-time equivalent employment .....	4	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, as amended, including authorized travel, \$244,740,000, to remain available until expended.*

Note.—A regular 2007 appropriation for this account had not been enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 109-289, Division B, as amended). The amounts included for 2007 in this budget reflect the levels provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 49-0551-0-1-251	2006 actual	2007 est.	2008 est.
<b>Obligations by program activity:</b>			
00.01 Direct program activity .....	234	237	245
10.00 Total new obligations .....	234	237	245
<b>Budgetary resources available for obligation:</b>			
21.40 Unobligated balance carried forward, start of year .....	46	3	
22.00 New budget authority (gross) .....	191	234	245
23.90 Total budgetary resources available for obligation .....	237	237	245
23.95 Total new obligations .....	-234	-237	-245
24.40 Unobligated balance carried forward, end of year .....	3		
<b>New budget authority (gross), detail:</b>			
Discretionary:			
40.00 Appropriation .....	193	234	245
40.35 Appropriation permanently reduced .....	-2		
43.00 Appropriation (total discretionary) .....	191	234	245
<b>Change in obligated balances:</b>			
72.40 Obligated balance, start of year .....	211	264	278
73.10 Total new obligations .....	234	237	245
73.20 Total outlays (gross) .....	-181	-223	-232
74.40 Obligated balance, end of year .....	264	278	291
<b>Outlays (gross), detail:</b>			
86.90 Outlays from new discretionary authority .....	31	35	37
86.93 Outlays from discretionary balances .....	150	188	195
87.00 Total outlays (gross) .....	181	223	232
<b>Net budget authority and outlays:</b>			
89.00 Budget authority .....	191	234	245
90.00 Outlays .....	181	223	232

The Major Research Equipment and Facilities Construction activity supports the construction and procurement of unique national research platforms and major research equipment. Performance is measured against established construction schedules, costs, and milestones.

Object Classification (in millions of dollars)

Identification code 49-0551-0-1-251	2006 actual	2007 est.	2008 est.
Direct obligations:			
25.5 Research and development contracts .....	14	20	17
41.0 Grants, subsidies, and contributions .....	220	217	228
99.9 Total new obligations .....	234	237	245

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 \$9,000 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 General Services Administration for security guard services; \$285,590,000: Provided, That contracts may be entered into under this heading in fiscal year 2008 for maintenance and operation of facilities, and for other services, to be provided during the next fiscal year.*

Note.—A regular 2007 appropriation for this account had not been enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 109-289, Division B, as amended). The amounts included for 2007 in this budget reflect the levels provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 49-0180-0-1-251	2006 actual	2007 est.	2008 est.
<b>Obligations by program activity:</b>			
00.01 Administration and management .....	247	247	286

09.01	Reimbursable programs .....	5	10	10
10.00	Total new obligations .....	252	257	296

**Budgetary resources available for obligation:**

22.00	New budget authority (gross) .....	251	257	296
23.95	Total new obligations .....	-252	-257	-296

**New budget authority (gross), detail:**

Discretionary:

40.00	Appropriation .....	250	247	286
40.35	Appropriation permanently reduced .....	-3		
43.00	Appropriation (total discretionary) .....	247	247	286
58.00	Spending authority from offsetting collections: Offsetting collections (cash) .....	4	10	10
70.00	Total new budget authority (gross) .....	251	257	296

**Change in obligated balances:**

72.40	Obligated balance, start of year .....	46	50	27
73.10	Total new obligations .....	252	257	296
73.20	Total outlays (gross) .....	-246	-280	-292
73.40	Adjustments in expired accounts (net) .....	-2		
74.40	Obligated balance, end of year .....	50	27	31

**Outlays (gross), detail:**

86.90	Outlays from new discretionary authority .....	207	230	265
86.93	Outlays from discretionary balances .....	39	50	27
87.00	Total outlays (gross) .....	246	280	292

**Offsets:**

Against gross budget authority and outlays:

88.00	Offsetting collections (cash) from: Federal sources .....	-4	-10	-10
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**Net budget authority and outlays:**

89.00	Budget authority .....	247	247	286
90.00	Outlays .....	242	270	282

This account provides funds to administer and manage NSF programs and to advance NSF's strategic goal of Stewardship—supporting excellence in science and engineering research and education through a capable and responsive organization. NSF continually develops and refines performance measures for development and monitoring of programs.

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

Identification code 49-0180-0-1-251	2006 actual	2007 est.	2008 est.	
<b>Direct obligations:</b>				
<b>Personnel compensation:</b>				
11.1	Full-time permanent .....	107	114	126
11.3	Other than full-time permanent .....	11	10	12
11.5	Other personnel compensation .....	7	6	7
11.8	Special personal services payments .....	1	1	2
11.9	Total personnel compensation .....	126	131	147
12.1	Civilian personnel benefits .....	28	32	35
21.0	Travel and transportation of persons .....	4	4	9
23.1	Rental payments .....	22	24	26
23.3	Communications, utilities, and miscellaneous charges .....	2	2	2
25.1	Advisory and assistance services .....	11	9	12
25.2	Other services .....	10	8	10
25.3	Other purchases of goods and services from Government accounts .....	4	3	3
25.6	Medical care .....	1	1	1
25.7	Operation and maintenance of equipment .....	30	26	28
26.0	Supplies and materials .....	5	3	2
31.0	Equipment .....	4	4	11
99.0	Direct obligations .....	247	247	286
99.0	Reimbursable obligations .....	5	10	10
99.9	Total new obligations .....	252	257	296

**Employment Summary**

Identification code 49-0180-0-1-251	2006 actual	2007 est.	2008 est.	
<b>Direct:</b>				
1001	Civilian full-time equivalent employment .....	15	14	14

1001	Civilian full-time equivalent employment .....	1,195	1,223	1,305
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**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.), \$4,030,000: Provided, That not more than \$9,000 shall be available for official reception and representation expenses.*

Note—A regular 2007 appropriation for this account had not been enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 109-289, Division B, as amended). The amounts included for 2007 in this budget reflect the levels provided by the continuing resolution.

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

Identification code 49-0350-0-1-251	2006 actual	2007 est.	2008 est.	
<b>Obligations by program activity:</b>				
00.01	Direct program activity .....	4	4	4
10.00	Total new obligations .....	4	4	4

**Budgetary resources available for obligation:**

22.00	New budget authority (gross) .....	4	4	4
23.95	Total new obligations .....	-4	-4	-4

**New budget authority (gross), detail:**

Discretionary:

40.00	Appropriation .....	4	4	4
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**Change in obligated balances:**

72.40	Obligated balance, start of year .....	3	2	
73.10	Total new obligations .....	4	4	4
73.20	Total outlays (gross) .....	-5	-6	-4
74.40	Obligated balance, end of year .....	2		

**Outlays (gross), detail:**

86.90	Outlays from new discretionary authority .....	4	4	4
86.93	Outlays from discretionary balances .....	1	2	
87.00	Total outlays (gross) .....	5	6	4

**Net budget authority and outlays:**

89.00	Budget authority .....	4	4	4
90.00	Outlays .....	5	6	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	2006 actual	2007 est.	2008 est.	
<b>Direct obligations:</b>				
11.1	Personnel compensation: Full-time permanent .....	2	2	2
25.1	Advisory and assistance services .....	1	2	2
99.0	Direct obligations .....	3	4	4
99.5	Below reporting threshold .....	1		
99.9	Total new obligations .....	4	4	4

**Employment Summary**

Identification code 49-0350-0-1-251	2006 actual	2007 est.	2008 est.	
<b>Direct:</b>				
1001	Civilian full-time equivalent employment .....	15	14	14

OFFICE OF THE INSPECTOR GENERAL

For necessary expenses of the Office of Inspector General as authorized by the Inspector General Act of 1978, as amended, \$12,350,000, to remain available until September 30, 2009.

Note.—A regular 2007 appropriation for this account had not been enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 109-289, Division B, as amended). The amounts included for 2007 in this budget reflect the levels provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 49-0300-0-1-251	2006 actual	2007 est.	2008 est.
<b>Obligations by program activity:</b>			
00.01 Direct program activity	11	12	12
10.00 Total new obligations	11	12	12
<b>Budgetary resources available for obligation:</b>			
21.40 Unobligated balance carried forward, start of year	1	1	
22.00 New budget authority (gross)	11	11	12
23.90 Total budgetary resources available for obligation	12	12	12
23.95 Total new obligations	-11	-12	-12
24.40 Unobligated balance carried forward, end of year	1		
<b>New budget authority (gross), detail:</b>			
Discretionary:			
40.00 Appropriation	11	11	12
<b>Change in obligated balances:</b>			
72.40 Obligated balance, start of year	3	4	2
73.10 Total new obligations	11	12	12
73.20 Total outlays (gross)	-10	-14	-11
74.40 Obligated balance, end of year	4	2	3
<b>Outlays (gross), detail:</b>			
86.90 Outlays from new discretionary authority	7	10	10
86.93 Outlays from discretionary balances	3	4	1
87.00 Total outlays (gross)	10	14	11
<b>Net budget authority and outlays:</b>			
89.00 Budget authority	11	11	12
90.00 Outlays	10	14	11

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	2006 actual	2007 est.	2008 est.
Direct obligations:			
11.1 Personnel compensation: Full-time permanent	6	6	7
12.1 Civilian personnel benefits	2	2	2
25.1 Advisory and assistance services	3	4	3
99.9 Total new obligations	11	12	12

Employment Summary

Identification code 49-0300-0-1-251	2006 actual	2007 est.	2008 est.
Direct:			
1001 Civilian full-time equivalent employment	63	63	63

EDUCATION AND HUMAN RESOURCES

For necessary expenses in carrying out science 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, \$750,600,000, to remain available until September 30, 2009.

Note.—A regular 2007 appropriation for this account had not been enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 109-289, Division B, as amended). The amounts included for 2007 in this budget reflect the levels provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 49-0106-0-1-251	2006 actual	2007 est.	2008 est.
<b>Obligations by program activity:</b>			
00.01 EPSCoR	98	99	
00.03 Undergraduate education	208	201	210
00.04 Graduate education	153	155	170
00.05 Human resource development	120	134	148
00.08 Research on learning in formal and informal settings	219	208	223
00.91 Subtotal appropriated activities	798	797	751
01.01 Low income scholarship program	81	139	75
01.02 Private-public partnerships in K-12	18	60	25
01.91 Subtotal H-1B non-immigrant petitioner fee activities	99	199	100
02.00 Total direct obligations	897	996	851
09.01 Reimbursable programs	9	10	10
10.00 Total new obligations	906	1,006	861
<b>Budgetary resources available for obligation:</b>			
21.40 Unobligated balance carried forward, start of year	90	99	
22.00 New budget authority (gross)	910	907	861
22.10 Resources available from recoveries of prior year obligations	5		
23.90 Total budgetary resources available for obligation	1,005	1,006	861
23.95 Total new obligations	-906	-1,006	-861
24.40 Unobligated balance carried forward, end of year	99		
<b>New budget authority (gross), detail:</b>			
Discretionary:			
40.00 Appropriation	807	797	751
40.35 Appropriation permanently reduced	-10		
43.00 Appropriation (total discretionary)	797	797	751
Spending authority from offsetting collections:			
58.00 Offsetting collections (cash)	4	10	10
58.10 Change in uncollected customer payments from Federal sources (unexpired)	4		
58.90 Spending authority from offsetting collections (total discretionary)	8	10	10
Mandatory:			
60.20 Appropriation (special fund)	105	100	100
70.00 Total new budget authority (gross)	910	907	861
<b>Change in obligated balances:</b>			
72.40 Obligated balance, start of year	1,677	1,640	1,710
73.10 Total new obligations	906	1,006	861
73.20 Total outlays (gross)	-926	-936	-924
73.40 Adjustments in expired accounts (net)	-10		
73.45 Recoveries of prior year obligations	-5		
74.00 Change in uncollected customer payments from Federal sources (unexpired)	-4		
74.10 Change in uncollected customer payments from Federal sources (expired)	2		
74.40 Obligated balance, end of year	1,640	1,710	1,647
<b>Outlays (gross), detail:</b>			
86.90 Outlays from new discretionary authority	103	98	92
86.93 Outlays from discretionary balances	747	735	730
86.97 Outlays from new mandatory authority	11	11	11
86.98 Outlays from mandatory balances	65	92	91
87.00 Total outlays (gross)	926	936	924
<b>Offsets:</b>			
Against gross budget authority and outlays:			
88.00 Offsetting collections (cash) from: Federal sources	-3	-10	-10
Against gross budget authority only:			
88.95 Change in uncollected customer payments from Federal sources (unexpired)	-4		
88.96 Portion of offsetting collections (cash) credited to expired accounts	-1		
<b>Net budget authority and outlays:</b>			
89.00 Budget authority	902	897	851

90.00	Outlays .....	923	926	914
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Education and Human Resources (EHR) activities provide a comprehensive set of programs that further NSF's goal of ensuring a diverse, competitive, and globally-engaged U.S. science, technology, engineering, and mathematics (STEM) workforce, as well as scientifically literate citizens. At the pre-kindergarten through grade 12 (pre-K-12) levels, EHR catalyzes reform of STEM education through the development of public-private partnerships. Its pre-K-12 programs provide new instructional materials for students and teachers that incorporate the latest advances in teaching, learning, and educational technologies; growth in the knowledge base; and teacher education opportunities that support the full continuum of STEM teacher education from pre-service and in-service, through life-long learning. Undergraduate programs improve curricula, strengthen laboratory course offerings, enhance faculty, and lead reform efforts in STEM disciplines. Programs for advanced technological education strengthen education for students preparing to enter the high-technology workforce. Graduate level support is directed primarily to fellowships and traineeships to sustain the U.S. world leadership in science and technology. All EHR programming focuses on broadening participation of groups underrepresented in STEM fields including activities focused on the improvement of infrastructure and academic programs at minority-serving institutions. EHR supports education research that advances our knowledge of how people learn in the STEM disciplines; it also supports the development and effective implementation of learning technologies. Evaluation and communication activities ensure accountability by developing indicators that measure program impact and inform the education community of best practices and relevant information. EHR activities also include programs supported by H-1B non-immigrant visa fees. These programs provide undergraduate and graduate scholarships in STEM fields, support for private-public partnerships in K-12, and support for STEM education by providing research opportunities for STEM teachers and students in grades 7-12. EHR's funding also supports NSF's active development of performance indicators.

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

Identification code 49-0106-0-1-251	2006 actual	2007 est.	2008 est.	
<b>Direct obligations:</b>				
21.0	Travel and transportation of persons .....	3	3	2
25.1	Advisory and assistance services .....	20	20	21
41.0	Grants, subsidies, and contributions .....	874	973	828
99.0	Direct obligations .....	897	996	851
99.0	Reimbursable obligations .....	9	10	10
99.9	Total new obligations .....	906	1,006	861

**Trust Funds**

**DONATIONS**

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

Identification code 49-8960-0-7-251	2006 actual	2007 est.	2008 est.	
01.00	Balance, start of year .....		1	1
01.99	Balance, start of year .....		1	1
<b>Receipts:</b>				
02.60	Donations, National Science Foundation .....	32	25	25
04.00	Total: Balances and collections .....	32	26	26
<b>Appropriations:</b>				
05.00	Donations .....	-31	-25	-25
07.99	Balance, end of year .....	1	1	1

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

Identification code 49-8960-0-7-251	2006 actual	2007 est.	2008 est.	
<b>Obligations by program activity:</b>				
00.01	Ocean drilling programs .....	8	16	10
00.02	Gemini telescope .....	20	27	15
10.00	Total new obligations .....	28	43	25
<b>Budgetary resources available for obligation:</b>				
21.40	Unobligated balance carried forward, start of year .....	15	18	
22.00	New budget authority (gross) .....	31	25	25
23.90	Total budgetary resources available for obligation .....	46	43	25
23.95	Total new obligations .....	-28	-43	-25
24.40	Unobligated balance carried forward, end of year .....	18		
<b>New budget authority (gross), detail:</b>				
<b>Mandatory:</b>				
60.26	Appropriation (trust fund) .....	31	25	25
<b>Change in obligated balances:</b>				
72.40	Obligated balance, start of year .....	21	6	18
73.10	Total new obligations .....	28	43	25
73.20	Total outlays (gross) .....	-43	-31	-25
74.40	Obligated balance, end of year .....	6	18	18
<b>Outlays (gross), detail:</b>				
86.97	Outlays from new mandatory authority .....	31	25	25
86.98	Outlays from mandatory balances .....	12	6	
87.00	Total outlays (gross) .....	43	31	25
<b>Net budget authority and outlays:</b>				
89.00	Budget authority .....	31	25	25
90.00	Outlays .....	43	31	25

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 telescope, 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	2006 actual	2007 est.	2008 est.	
<b>Direct obligations:</b>				
25.4	Operation and maintenance of facilities .....	9	15	9
41.0	Grants, subsidies, and contributions .....	19	28	16
99.9	Total new obligations .....	28	43	25

**GENERAL FUND RECEIPT ACCOUNT**

(in millions of dollars)

	2006 actual	2007 est.	2008 est.	
<b>Offsetting receipts from the public:</b>				
49-322000	All other general fund proprietary receipts including budget clearing accounts .....	4	2	2
<b>General Fund Offsetting receipts from the public .....</b>				
	4	2	2	

