

**SUMMARY TABLES**

NSF Summary Tables.....Summary Tables – 3

NSF by Account and Strategic Outcome Goal.....Summary Tables – 4

NSF Research Infrastructure.....Summary Tables – 5

NSF Selected Crosscutting Programs.....Summary Tables – 6

NSF Funding Profile.....Summary Tables – 7

NSF NSTC Crosscuts.....Summary Tables – 8

NSF Homeland Security Activities.....Summary Tables – 9

NSF Programs to Broaden Participation.....Summary Tables – 10

NSF Learning Funding by Level of Education.....Summary Tables – 11

Number of People Involved in NSF Activities.....Summary Tables – 12

NSF Historical Funding by Account: FY 1951 – FY 2010  
(Current Dollars, FY 2009 Constant Dollars).....Summary Tables – 13



**National Science Foundation  
Summary Tables  
FY 2011 Request to Congress**

(Dollars in Millions)

NSF by Account	FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request	FY 2011 Request over:			
					FY 2009 Omnibus Actual		FY 2010 Estimate	
					Amount	Percent	Amount	Percent
BIO	\$656.62	\$260.00	\$714.54	\$767.81	\$111.19	16.9%	\$53.27	7.5%
CISE	574.50	235.00	618.83	684.51	110.01	19.1%	65.68	10.6%
ENG	664.99	264.99	743.93	825.67	160.68	24.2%	81.74	11.0%
<i>ENG Programs</i>	<i>574.60</i>	<i>215.08</i>	<i>618.16</i>	<i>682.81</i>	<i>108.21</i>	<i>18.8%</i>	<i>64.65</i>	<i>10.5%</i>
<i>SBIR/STTR</i>	<i>90.39</i>	<i>49.91</i>	<i>125.77</i>	<i>142.86</i>	<i>52.47</i>	<i>58.0%</i>	<i>17.09</i>	<i>13.6%</i>
GEO	808.53	347.00	889.64	955.29	146.76	18.2%	65.65	7.4%
MPS	1,243.88	474.97	1,351.84	1,409.91	166.03	13.3%	58.07	4.3%
SBE	240.56	84.97	255.25	268.79	28.23	11.7%	13.54	5.3%
OCI	199.23	80.00	214.28	228.07	28.84	14.5%	13.79	6.4%
OISE	47.45	13.98	47.83	53.26	5.81	12.2%	5.43	11.4%
OPP <sup>11</sup>	473.55	171.89	451.16	527.99	54.44	11.5%	76.83	17.0%
IA	241.58	129.85	275.04	295.93	54.35	22.5%	20.89	7.6%
U.S. Arctic Research Commission	1.50	-	1.58	1.60	0.10	6.7%	0.02	1.3%
<b>Research &amp; Related Activities</b>	<b>\$5,152.39</b>	<b>\$2,062.64</b>	<b>\$5,563.92</b>	<b>\$6,018.83</b>	<b>\$866.44</b>	<b>16.8%</b>	<b>\$454.91</b>	<b>8.2%</b>
<b>Education &amp; Human Resources</b>	<b>\$845.52</b>	<b>\$85.00</b>	<b>\$872.76</b>	<b>\$892.00</b>	<b>\$46.48</b>	<b>5.5%</b>	<b>\$19.24</b>	<b>2.2%</b>
<b>Major Research Equipment &amp; Facilities Construction</b>	<b>\$160.76</b>	<b>\$254.00</b>	<b>\$117.29</b>	<b>\$165.19</b>	<b>\$4.43</b>	<b>2.8%</b>	<b>\$47.90</b>	<b>40.8%</b>
<b>Agency Operations &amp; Award Management</b>	<b>\$294.09</b>	<b>-</b>	<b>\$300.00</b>	<b>\$329.19</b>	<b>\$35.10</b>	<b>11.9%</b>	<b>\$29.19</b>	<b>9.7%</b>
<b>National Science Board</b>	<b>\$4.02</b>	<b>-</b>	<b>\$4.54</b>	<b>\$4.84</b>	<b>\$0.82</b>	<b>20.3%</b>	<b>\$0.30</b>	<b>6.6%</b>
<b>Office of Inspector General</b>	<b>\$11.99</b>	<b>\$0.02</b>	<b>\$14.00</b>	<b>\$14.35</b>	<b>\$2.36</b>	<b>19.7%</b>	<b>\$0.35</b>	<b>2.5%</b>
<b>Total, NSF</b>	<b>\$6,468.76</b>	<b>\$2,401.66</b>	<b>\$6,872.51</b>	<b>\$7,424.40</b>	<b>\$955.64</b>	<b>14.8%</b>	<b>\$551.89</b>	<b>8.0%</b>

Totals may not add due to rounding.

<sup>11</sup> Funding for FY 2010 excludes a one-time appropriation transfer of \$54.0 million to U.S. Coast Guard per P.L. 111-117.

(Dollars in Millions)

NSF by Strategic Goal	FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request	FY 2011 Request over:			
					FY 2009 Omnibus Actual		FY 2010 Estimate	
					Amount	Percent	Amount	Percent
Discovery	\$3,448.63	\$1,546.60	\$3,813.20	\$4,168.46	\$719.83	20.9%	\$355.26	9.3%
Learning	905.12	249.37	967.38	1,013.05	107.93	11.9%	45.67	4.7%
Research Infrastructure <sup>12</sup>	1,703.57	605.68	1,662.18	1,774.07	70.50	4.1%	111.89	6.7%
Stewardship	411.44	0.02	429.75	468.82	57.38	13.9%	39.07	9.1%
<b>Total, NSF</b>	<b>\$6,468.76</b>	<b>\$2,401.66</b>	<b>\$6,872.51</b>	<b>\$7,424.40</b>	<b>\$955.64</b>	<b>14.8%</b>	<b>\$551.89</b>	<b>8.0%</b>

Totals may not add due to rounding.

<sup>12</sup> Funding for Research Infrastructure for FY 2010 excludes a one-time appropriation transfer of \$54.0 million to U.S. Coast Guard per P.L. 111-117.

**National Science Foundation**  
**By Account and Strategic Outcome Goal**  
**FY 2011 Request to Congress**

(Dollars in Millions)

NSF Accounts	FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request									
				Research				FY 2011 Request	Change over FY 2009 Omnibus Actual		Change over FY 2010 Estimate		
				Discovery	Learning	Infrastructure	Stewardship		Amount	Percent	Amount	Percent	
<b>FY 2009 Omnibus Actual</b>	<b>\$6,468.76</b>	<b>\$2,401.66</b>		<b>\$3,448.63</b>	<b>\$905.12</b>	<b>\$1,703.57</b>	<b>\$411.44</b>						
<b>FY 2010 Estimate</b>			<b>\$6,872.51</b>	<b>\$3,813.20</b>	<b>\$967.38</b>	<b>\$1,662.18</b>	<b>\$429.75</b>						
BIO	\$656.62	\$260.00	\$714.54	\$577.84	\$52.45	\$123.23	\$14.29	\$767.81	\$111.19	16.9%	\$53.27	7.5%	
CISE	574.50	235.00	618.83	600.87	38.84	30.60	14.20	684.51	110.01	19.1%	65.68	10.6%	
ENG	664.99	264.99	743.93	703.36	73.99	33.33	14.99	825.67	160.68	24.2%	81.74	11.0%	
<i>ENG Programs</i>	<i>574.60</i>	<i>215.08</i>	<i>618.16</i>	<i>560.50</i>	<i>73.99</i>	<i>33.33</i>	<i>14.99</i>	<i>682.81</i>	<i>108.21</i>	<i>18.8%</i>	<i>64.65</i>	<i>10.5%</i>	
<i>SBIR/STTR</i>	<i>90.39</i>	<i>49.91</i>	<i>125.77</i>	<i>142.86</i>	-	-	-	<i>142.86</i>	<i>52.47</i>	<i>58.0%</i>	<i>17.09</i>	<i>13.6%</i>	
GEO	808.53	347.00	889.64	504.35	45.50	387.60	17.84	955.29	146.76	18.2%	65.65	7.4%	
MPS	1,243.88	474.97	1,351.84	972.35	65.01	349.10	23.45	1,409.91	166.03	13.3%	58.07	4.3%	
SBE	240.56	84.97	255.25	201.00	15.67	46.36	5.76	268.79	28.23	11.7%	13.54	5.3%	
OCI	199.23	80.00	214.28	73.12	11.21	138.66	5.08	228.07	28.84	14.5%	13.79	6.4%	
OISE	47.45	13.98	47.83	38.77	12.83	0.10	1.56	53.26	5.81	12.2%	5.43	11.4%	
OPP <sup>1</sup>	473.55	171.89	451.16	123.96	6.99	391.15	5.89	527.99	54.44	11.5%	76.83	17.0%	
IA	241.58	129.85	275.04	179.80	21.83	93.04	1.26	295.93	54.35	22.5%	20.89	7.6%	
U.S. Arctic Research Commission	1.50	-	1.58	1.60	-	-	-	1.60	0.10	6.7%	0.02	1.3%	
<b>Research &amp; Related Activities</b>	<b>\$5,152.39</b>	<b>\$2,062.64</b>	<b>\$5,563.92</b>	<b>\$3,977.02</b>	<b>\$344.32</b>	<b>\$1,593.17</b>	<b>\$104.32</b>	<b>\$6,018.83</b>	<b>\$866.44</b>	<b>16.8%</b>	<b>\$454.91</b>	<b>8.2%</b>	
<b>Education &amp; Human Resources</b>	<b>\$845.52</b>	<b>\$85.00</b>	<b>\$872.76</b>	<b>\$191.44</b>	<b>\$668.73</b>	<b>\$15.71</b>	<b>\$16.12</b>	<b>\$892.00</b>	<b>\$46.48</b>	<b>5.5%</b>	<b>\$19.24</b>	<b>2.2%</b>	
<b>Major Research Equipment &amp; Facilities Construction</b>	<b>\$160.76</b>	<b>\$254.00</b>	<b>\$117.29</b>	-	-	<b>\$165.19</b>	-	<b>\$165.19</b>	<b>\$4.43</b>	<b>2.8%</b>	<b>\$47.90</b>	<b>40.8%</b>	
<b>Agency Operations &amp; Award Management</b>	<b>\$294.09</b>	-	<b>\$300.00</b>	-	-	-	<b>\$329.19</b>	<b>\$329.19</b>	<b>\$35.10</b>	<b>11.9%</b>	<b>\$29.19</b>	<b>9.7%</b>	
<b>National Science Board</b>	<b>\$4.02</b>	-	<b>\$4.54</b>	-	-	-	<b>\$4.84</b>	<b>\$4.84</b>	<b>\$0.82</b>	<b>20.3%</b>	<b>\$0.30</b>	<b>6.6%</b>	
<b>Office of Inspector General</b>	<b>\$11.99</b>	<b>\$0.02</b>	<b>\$14.00</b>	-	-	-	<b>\$14.35</b>	<b>\$14.35</b>	<b>\$2.36</b>	<b>19.7%</b>	<b>\$0.35</b>	<b>2.5%</b>	
<b>Total, National Science Foundation</b>	<b>\$6,468.76</b>	<b>\$2,401.66</b>	<b>\$6,872.51</b>	<b>\$4,168.46</b>	<b>\$1,013.05</b>	<b>\$1,774.07</b>	<b>\$468.82</b>	<b>\$7,424.40</b>	<b>\$955.64</b>	<b>14.8%</b>	<b>\$551.89</b>	<b>8.0%</b>	
Percent Increase over Prior Year				9.3%	4.7%	6.7%	9.1%						
<i>H-1B Visa</i>	<i>\$89.08</i>		<i>\$100.00</i>					<i>\$100.00</i>					
<i>Reimbursables</i>	<i>119.27</i>												
<i>Trust Fund</i>	<i>56.81</i>												
<b>Total NSF, Including H-1B Visa, Reimbursables &amp; Trust Fund</b>	<b>\$6,733.92</b>	<b>\$2,401.66</b>	<b>\$6,972.51</b>	<b>\$4,168.55</b>	<b>\$1,013.10</b>	<b>\$1,774.14</b>	<b>\$468.91</b>	<b>\$7,524.40</b>	<b>\$790.48</b>	<b>11.7%</b>	<b>\$551.89</b>	<b>7.9%</b>	

Totals may not add due to rounding.

<sup>1</sup> Funding for FY 2010 excludes a one-time appropriation transfer of \$54.0 million to U.S. Coast Guard per P.L. 111-117.

**National Science Foundation  
Research Infrastructure Summary  
FY 2011 Request to Congress**

(Dollars in Millions)

	FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request	FY 2011 Request change over:			
					FY 2009 Omnibus Actual		FY 2010 Estimate	
					Amount	Percent	Amount	Percent
<b>Facilities</b>	<b>\$930.28</b>	<b>378.54</b>	<b>880.46</b>	<b>991.90</b>	<b>61.62</b>	<b>6.6%</b>	<b>111.44</b>	<b>12.7%</b>
Academic Research Fleet	\$88.95	\$18.00	\$80.00	\$77.00	-\$11.95	-13.4%	-\$3.00	-3.8%
<i>Regional Class Research Vessels</i>	0.88	-	2.00	2.00	1.12	127.5%	-	-
<i>RHOV Construction (R/V Alvin Replacement)</i>	-	-	5.00	2.00	2.00	N/A	-3.00	-60.0%
<i>R/V Langseth Construction (R/V Ewing Replacement)</i>	1.00	-	-	-	-1.00	-100.0%	-	N/A
<i>Ship Operations and Upgrades</i>	87.07	18.00	73.00	73.00	-14.07	-16.2%	-	-
Academic Research Infrastructure <sup>11</sup>	-	-	-	-	-	N/A	-	N/A
Cornell High Energy Synchrotron Source (CHESS) / Cornell Electron Storage Ring (CESR)	13.60	14.99	9.00	13.45	-0.15	-1.1%	4.45	49.4%
EarthScope: USArray, SAFOD, PBO	24.29	9.00	25.05	26.00	1.71	7.1%	0.95	3.8%
Gemini Observatory	18.71	-	19.10	19.58	0.87	4.6%	0.48	2.5%
Incorporated Research Institutions for Seismology	12.00	-	12.36	12.73	0.73	6.1%	0.37	3.0%
Integrated Ocean Drilling Program	47.95	25.00	43.40	46.41	-1.54	-3.2%	3.01	6.9%
Large Hadron Collider	18.00	-	18.00	18.00	-	-	-	-
Laser Interferometer Gravitational Wave Observatory	30.30	-	28.50	30.30	-	-	1.80	6.3%
National Astronomy & Ionosphere Center <sup>12</sup>	9.60	3.10	10.60	9.00	-0.60	-6.2%	-1.60	-15.1%
National High Magnetic Field Laboratory	26.50	5.00	35.56	34.00	7.50	28.3%	-1.56	-4.4%
National Nanotechnology Infrastructure Network (NNIN)	16.67	10.27	16.26	16.26	-0.41	-2.5%	-	-
National Solar Observatory	7.83	1.40	9.10	9.51	1.68	21.5%	0.41	4.5%
National Superconducting Cyclotron Laboratory	20.50	2.00	21.00	21.50	1.00	4.9%	0.50	2.4%
Network for Earthquake Engineering Simulation	20.98	-	22.00	22.50	1.52	7.3%	0.50	2.3%
Other Facilities <sup>13</sup>	5.60	4.99	7.02	7.65	2.05	36.5%	0.63	9.0%
Polar Facilities and Logistics <sup>14</sup>	341.38	22.50	312.27	381.38	40.00	11.7%	69.11	22.1%
Other Facilities Investments								
Major Research Equipment & Facilities Construction <sup>15</sup>	199.74	257.10	163.54	214.69	14.95	7.5%	51.15	31.3%
Pre-construction Planning <sup>16</sup>	27.67	5.20	47.70	31.94	4.27	15.4%	-15.76	-33.0%
<b>Federally Funded R&amp;D Centers</b>	<b>201.10</b>	<b>24.20</b>	<b>198.63</b>	<b>212.24</b>	<b>11.14</b>	<b>5.5%</b>	<b>13.61</b>	<b>6.9%</b>
National Center for Atmospheric Research	106.79	13.20	97.00	108.00	1.21	1.1%	11.00	11.3%
National Optical Astronomy Observatories	30.48	5.60	31.50	33.33	2.85	9.3%	1.83	5.8%
National Radio Astronomy Observatories <sup>17</sup>	60.79	5.40	67.09	67.87	7.08	11.6%	0.78	1.2%
Science and Technology Policy Institute <sup>18</sup>	3.04	-	3.04	3.04	-	-	-	-
<b>Other Research Instrumentation and Infrastructure</b>	<b>573.02</b>	<b>202.94</b>	<b>583.36</b>	<b>570.22</b>	<b>-2.80</b>	<b>-0.5%</b>	<b>-13.14</b>	<b>-2.3%</b>
Major Research Instrumentation	99.98	99.85	90.00	90.00	-9.98	-10.0%	-	-
National Stem Education Distributed Learning	15.83	-	16.25	16.00	0.17	1.1%	-0.25	-1.5%
Networking & Computational Resources Infrastructure & Services	164.17	17.00	150.38	138.66	-25.51	-15.5%	-11.72	-7.8%
Polar Environment, Health & Safety	6.12	-	7.01	7.27	1.15	18.8%	0.26	3.7%
Research Resources <sup>19</sup>	248.73	86.09	285.50	281.87	33.14	13.3%	-3.63	-1.3%
Science Resource Statistics	38.18	-	34.22	36.42	-1.76	-4.6%	2.20	6.4%
<b>Subtotal, Research Infrastructure Support</b>	<b>\$1,704.39</b>	<b>\$605.68</b>	<b>\$1,662.45</b>	<b>\$1,774.36</b>	<b>\$69.97</b>	<b>4.1%</b>	<b>\$111.91</b>	<b>6.7%</b>
<b>Research Infrastructure Stewardship Offset</b>	<b>-\$0.82</b>	<b>-</b>	<b>-\$0.27</b>	<b>-\$0.29</b>	<b>\$0.53</b>	<b>-64.8%</b>	<b>-\$0.02</b>	<b>7.4%</b>
<b>RESEARCH INFRASTRUCTURE TOTAL</b>	<b>\$1,703.57</b>	<b>\$605.68</b>	<b>\$1,662.18</b>	<b>\$1,774.07</b>	<b>\$70.50</b>	<b>4.1%</b>	<b>\$111.89</b>	<b>6.7%</b>

Totals may not add due to rounding.

<sup>11</sup> Awards for the Academic Research Infrastructure program, funded through ARRA, will be made in FY 2010.

<sup>12</sup> NSF will decertify NAIC as a Federally Funded Research and Development Center (FFRDC) upon award of the next cooperative agreement for its management and operation in FY 2011.

<sup>13</sup> Other Facilities includes support for other physics and materials research facilities.

<sup>14</sup> Polar Facilities and Logistics funding includes support for the operations and maintenance of the South Pole Station Modernization (SPSM) project. Funds provided through the MREFC account for SPSM, totaling \$1.10 million in FY 2009, are included on the MREFC Projects line. In FY 2010, Polar Facilities and Logistics excludes a one-time appropriation transfer of \$54.0 million to U.S. Coast Guard per P.L. 111-117.

<sup>15</sup> Funding levels for MREFC Projects in this table include support for: a) concept and development associated with ongoing and requested MREFC projects provided through the R&RA account, specifically for NEON, OOI and ATST; b) initial support for operations and maintenance provided through the R&RA account (except for ALMA, which is included in the funding for NRAO); and c) implementation support provided through the MREFC account. Final MREFC support for SPSM is also included in this line.

<sup>16</sup> Preconstruction Planning includes funding for the Deep Underground Science & Engineering Lab (DUSEL), and next generation physics and astronomy facilities, including: high intensity synchrotron radiation ray sources; large aperture optical telescopes; fast, wide-field telescopes; and meter/centimeter wavelength radio telescopes.

<sup>17</sup> The Science and Technology Policy Institute (STPI) is a Federally Funded Research and Development Center (FFRDC), but not a research platform. STPI is therefore not included in the Facilities chapter, and the FFRDC subtotal in the tables in that chapter exclude its funding.

<sup>18</sup> Funding for the National Radio Astronomy Observatory (NRAO) includes operation and maintenance support for the Atacama Large Millimeter Array (ALMA). Construction funding for ALMA is included in the MREFC projects line above.

<sup>19</sup> Funding for Research Resources includes support for the operation and maintenance of minor facilities, infrastructure and instrumentation, field stations, museum collections, etc.

**National Science Foundation  
Selected Cross-Cutting Programs  
FY 2011 Request to Congress**

(Dollars in Millions)

Selected Cross-Cutting Programs		FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request	FY 2011 Request change over:			
						FY 2009 Omnibus Actual		FY 2010 Estimate	
						Amount	Percent	Amount	Percent
ADVANCE	Research & Related Activities	\$19.57	\$1.00	\$19.49	\$20.12	0.55	2.8%	0.63	3.2%
	Education & Human Resources	1.18	-	1.53	1.53	0.35	30.0%	-	-
	<b>Total, NSF</b>	<b>\$20.74</b>	<b>\$1.00</b>	<b>\$21.02</b>	<b>\$21.65</b>	<b>\$0.91</b>	<b>4.4%</b>	<b>\$0.63</b>	<b>3.0%</b>
Climate Change Education Program	Research & Related Activities	-	-	4.50	4.50	4.50	N/A	-	-
	Education & Human Resources	9.95	-	5.50	5.50	-4.45	-44.7%	-	-
	<b>Total, NSF</b>	<b>\$9.95</b>	<b>-</b>	<b>\$10.00</b>	<b>\$10.00</b>	<b>\$0.05</b>	<b>0.5%</b>	<b>-</b>	<b>-</b>
Faculty Early Career Development - CAREER	Research & Related Activities	186.55	166.20	196.39	209.16	22.61	12.1%	12.77	6.5%
	Education & Human Resources	-	-	-	-	-	N/A	-	N/A
	<b>Total, NSF</b>	<b>\$186.55</b>	<b>\$166.20</b>	<b>\$196.39</b>	<b>\$209.16</b>	<b>\$22.61</b>	<b>12.1%</b>	<b>\$12.77</b>	<b>6.5%</b>
Graduate Research Fellowship - GRF	Research & Related Activities	8.50	46.94	33.34	50.66	42.16	496.3%	17.32	51.9%
	Education & Human Resources	107.00	-	102.58	107.58	0.58	0.5%	5.00	4.9%
	<b>Total, NSF</b>	<b>\$115.49</b>	<b>\$46.94</b>	<b>\$135.92</b>	<b>\$158.24</b>	<b>\$42.75</b>	<b>37.0%</b>	<b>\$22.32</b>	<b>16.4%</b>
Graduate STEM Fellows in K-12 Education - GK-12	Research & Related Activities	7.08	2.50	5.31	4.67	-2.41	-34.1%	-0.64	-12.1%
	Education & Human Resources	49.26	-	49.00	48.18	-1.08	-2.2%	-0.82	-1.7%
	<b>Total, NSF</b>	<b>\$56.34</b>	<b>\$2.50</b>	<b>\$54.31</b>	<b>\$52.85</b>	<b>-\$3.49</b>	<b>-6.2%</b>	<b>-\$1.46</b>	<b>-2.7%</b>
Integrative Graduate Education and Research Traineeship - IGERT	Research & Related Activities	38.36	14.22	39.37	32.30	-6.06	-15.8%	-7.07	-18.0%
	Education & Human Resources	25.41	-	29.86	29.50	4.09	16.1%	-0.36	-1.2%
	<b>Total, NSF</b>	<b>\$63.77</b>	<b>\$14.22</b>	<b>\$69.23</b>	<b>\$61.80</b>	<b>-\$1.97</b>	<b>-3.1%</b>	<b>-\$7.43</b>	<b>-10.7%</b>
Total, Graduate Fellowships & Traineeships	Research & Related Activities	53.94	63.66	78.02	87.63	33.69	62.5%	9.61	12.3%
	Education & Human Resources	181.67	-	181.44	185.26	3.59	2.0%	3.82	2.1%
	<b>Total, NSF</b>	<b>\$235.61</b>	<b>\$63.66</b>	<b>\$259.46</b>	<b>\$272.89</b>	<b>\$37.28</b>	<b>15.8%</b>	<b>\$13.43</b>	<b>5.2%</b>
Long-Term Research Sites - LTER	Research & Related Activities	32.29	7.53	27.94	28.10	-4.19	-13.0%	0.16	0.6%
	Education & Human Resources	-	-	-	-	-	N/A	-	N/A
	<b>Total, NSF</b>	<b>\$32.29</b>	<b>\$7.53</b>	<b>\$27.94</b>	<b>\$28.10</b>	<b>-\$4.19</b>	<b>-13.0%</b>	<b>\$0.16</b>	<b>0.6%</b>
Research Experience for Teachers - RET	Research & Related Activities	6.31	2.54	5.64	5.52	-0.79	-12.5%	-0.12	-2.1%
	Education & Human Resources	-	-	-	-	-	N/A	-	N/A
	<b>Total, NSF</b>	<b>\$6.31</b>	<b>\$2.54</b>	<b>\$5.64</b>	<b>\$5.52</b>	<b>-\$0.79</b>	<b>-12.5%</b>	<b>-\$0.12</b>	<b>-2.1%</b>
Research Experience for Undergraduates - REU	Research & Related Activities	74.47	26.00	66.66	67.27	-7.20	-9.7%	0.61	0.9%
	Education & Human Resources	-	-	-	-	-	N/A	-	N/A
	<b>Total, NSF</b>	<b>\$74.47</b>	<b>\$26.00</b>	<b>\$66.66</b>	<b>\$67.27</b>	<b>-\$7.20</b>	<b>-9.7%</b>	<b>\$0.61</b>	<b>0.9%</b>
Research Experience for Undergraduates - REU - Sites Only	Research & Related Activities	50.14	25.44	49.70	50.60	0.46	0.9%	0.90	1.8%
	Education & Human Resources	-	-	-	-	-	N/A	-	N/A
	<b>Total, NSF</b>	<b>\$50.14</b>	<b>\$25.44</b>	<b>\$49.70</b>	<b>\$50.60</b>	<b>\$0.46</b>	<b>0.9%</b>	<b>\$0.90</b>	<b>1.8%</b>
Research Experience for Undergraduates - REU - Supplements Only	Research & Related Activities	24.33	0.56	16.96	16.67	-7.66	-31.5%	-0.29	-1.7%
	Education & Human Resources	-	-	-	-	-	N/A	-	N/A
	<b>Total, NSF</b>	<b>\$24.33</b>	<b>\$0.56</b>	<b>\$16.96</b>	<b>\$16.67</b>	<b>-\$7.66</b>	<b>-31.5%</b>	<b>-\$0.29</b>	<b>-1.7%</b>
Research in Undergraduate Institutions - RUI	Research & Related Activities	39.36	12.33	37.32	37.45	-1.91	-4.8%	0.13	0.3%
	Education & Human Resources	-	-	-	-	-	N/A	-	N/A
	<b>Total, NSF</b>	<b>\$39.36</b>	<b>\$12.33</b>	<b>\$37.32</b>	<b>\$37.45</b>	<b>-\$1.91</b>	<b>-4.8%</b>	<b>\$0.13</b>	<b>0.3%</b>
Science and Technology Centers - STCs	Research & Related Activities	62.46	-	57.77	66.03	3.57	5.7%	8.26	14.3%
	Education & Human Resources	-	-	-	-	-	N/A	-	N/A
	<b>Total, NSF</b>	<b>\$62.46</b>	<b>-</b>	<b>\$57.77</b>	<b>\$66.03</b>	<b>\$3.57</b>	<b>5.7%</b>	<b>\$8.26</b>	<b>14.3%</b>

Totals may not add due to rounding.

## NSF Funding Profile

Approximately half of the awards supported in a particular fiscal year are competitively reviewed in that year through NSF's merit review process. Other awards are continuations of projects that were competitively reviewed in a prior year.

*Statistics for Competitive Awards:* The Funding Rate is the number of competitive awards made during a year as a percentage of total proposals competitively reviewed. This indicates the probability of receiving an award when submitting proposals to NSF.

*Statistics for Research Grants:* Research Grants are grants limited to research projects and exclude other categories of awards that fund infrastructure-type activities, which do not require multi-year support, such as equipment and conference awards. Annualized Award Size shows the annual level of research grants provided to awardees by dividing the total dollars of each award by the number of years over which it extends. Both the average and the median annualized award size for competitively reviewed awards are shown. Average Duration is the length of the award in years.

The Quantitative Data Tables, provided under a separate tab in this submission, are based on obligations made, including competitive awards, contracts, cooperative agreements, supplements, and amendments to existing grants and contracts.

<b>National Science Foundation Funding Profile</b>			
	FY 2009	FY 2010	FY 2011
	Estimate	Estimate	Estimate
<b>Statistics for Competitive Awards:</b>			
Number of Proposals	45,106	48,725	50,908
Number of New Awards	14,605	11,387	12,291
Regular Appropriation	9,994	11,387	12,291
ARRA	4,611	-	-
Funding Rate	32%	23%	24%
<b>Statistics for Research Grants:</b>			
Number of Research Grant Proposals	34,783	37,805	39,607
Number of Research Grants	9,900	7,181	7,776
Regular Appropriation	6,245	7,181	7,776
ARRA	3,655	-	-
Funding Rate	28%	19%	20%
Median Annualized Award Size	\$126,240	\$125,666	\$126,986
Average Annualized Award Size	\$163,145	\$158,986	\$159,186
Average Award Duration, in years	3.0	3.0	3.0

**National Science Foundation  
NSTC Crosscuts Summary  
FY 2011 Request to Congress**

(Dollars in Millions)

	Climate Change Technology Program				U.S. Global Change Research Program			
	FY 2009	FY 2009	FY 2010	FY 2011	FY 2009	FY 2009	FY 2010	FY 2011
	Omnibus Actual	ARRA Actual	Estimate	Request	Omnibus Actual	ARRA Actual	Estimate	Request
BIO	-	-	-	-	\$61.00	\$20.00	\$81.00	\$89.00
CISE	-	-	-	-	-	-	-	-
ENG	\$24.00	\$2.00	\$25.75	\$26.75	1.00	-	-	-
GEO	-	-	-	-	160.00	50.00	194.00	225.00
MPS	-	-	-	-	13.48	2.75	7.28	7.63
SBE	-	-	-	-	15.48	3.00	18.48	25.98
OCI	-	-	-	-	-	-	-	-
OISE	-	-	-	-	-	-	-	-
OPP	-	-	-	-	18.30	44.79	18.30	22.30
IA	-	-	-	-	-	-	-	-
<b>R&amp;RA</b>	<b>\$24.00</b>	<b>\$2.00</b>	<b>\$25.75</b>	<b>\$26.75</b>	<b>\$269.26</b>	<b>\$120.54</b>	<b>\$319.06</b>	<b>\$369.91</b>
<b>EHR</b>	-	-	-	-	-	-	-	-
<b>NSF Total</b>	<b>\$24.00</b>	<b>\$2.00</b>	<b>\$25.75</b>	<b>\$26.75</b>	<b>\$269.26</b>	<b>\$120.54</b>	<b>\$319.06</b>	<b>\$369.91</b>

	Networking and Information Technology Research and Development				National Nanotechnology Initiative			
	FY 2009	FY 2009	FY 2010	FY 2011	FY 2009	FY 2009	FY 2010	FY 2011
	Omnibus Actual	ARRA Actual	Estimate	Request	Omnibus Actual	ARRA Actual	Estimate	Request
BIO	\$86.15	-	\$93.00	\$93.00	\$56.60	-	\$56.60	\$56.60
CISE	574.50	235.00	618.83	684.51	11.65	1.43	11.00	11.00
ENG	20.75	3.30	23.70	23.70	140.02	35.00	148.00	156.37
GEO	18.98	-	22.98	22.98	0.85	-	6.33	0.85
MPS	85.01	24.24	85.39	84.51	194.27	64.77	190.59	172.26
SBE	17.50	4.62	22.80	23.80	1.73	-	1.67	1.67
OCI	199.23	80.00	214.28	228.07	-	-	-	-
OISE	-	-	-	-	-	-	-	-
OPP	-	-	-	-	-	-	-	-
IA	-	-	-	-	-	-	-	-
<b>R&amp;RA</b>	<b>\$1,002.12</b>	<b>\$347.16</b>	<b>\$1,080.98</b>	<b>\$1,160.57</b>	<b>\$405.12</b>	<b>\$101.20</b>	<b>\$414.19</b>	<b>\$398.75</b>
<b>EHR</b>	<b>\$9.50</b>	-	<b>\$9.50</b>	<b>\$9.50</b>	<b>\$3.50</b>	-	<b>\$3.50</b>	<b>\$2.50</b>
<b>NSF Total</b>	<b>\$1,011.62</b>	<b>\$347.16</b>	<b>\$1,090.48</b>	<b>\$1,170.07</b>	<b>\$408.62</b>	<b>\$101.20</b>	<b>\$417.69</b>	<b>\$401.25</b>

**National Science Foundation  
Homeland Security Activities Summary  
FY 2011 Request to Congress**

(Dollars in Millions)

	BIO	CISE	ENG	GEO	MPS	SBE	OCI	OPP	IA	R&RA	EHR	AOAM	Total, NSF
<b>FY 2009 Omnibus Actual</b>	<b>\$15.00</b>	<b>\$169.80</b>	<b>\$160.20</b>	-	<b>\$4.87</b>	<b>\$4.50</b>	<b>\$1.02</b>	<b>\$2.68</b>	<b>\$2.82</b>	<b>\$360.89</b>	<b>\$14.88</b>	<b>\$2.63</b>	<b>\$378.40</b>
<b>Protecting Critical Infrastructure &amp; Key Assets</b>	-	<b>\$169.80</b>	<b>\$160.20</b>	-	<b>\$4.87</b>	<b>\$4.50</b>	<b>\$1.02</b>	<b>\$2.68</b>	<b>\$2.82</b>	<b>\$345.89</b>	<b>\$14.88</b>	<b>\$2.63</b>	<b>\$363.40</b>
Antarctic Physical Security	-	-	-	-	-	-	-	0.28	-	0.28	-	-	0.28
Counterterrorism	-	27.00	-	-	-	-	-	-	-	27.00	-	-	27.00
Cybersecurity	-	113.50	3.20	-	-	-	1.02	-	0.20	117.92	-	-	117.92
Electronic Commerce	-	4.50	3.50	-	-	-	-	-	-	8.00	-	-	8.00
Emergency Planning & Response	-	24.80	26.00	-	1.97	-	-	-	-	52.77	-	-	52.77
Energy Supply Assurance	-	-	29.00	-	1.70	-	-	-	-	30.70	-	-	30.70
IT Security	-	-	-	-	-	-	-	2.40	2.62	5.02	-	2.63	7.65
Resilient Infrastructure (Risk Mgmt, Modeling, Simul)	-	-	98.50	-	1.20	4.50	-	-	-	104.20	-	-	104.20
Scholarships for Service / Cybercorps	-	-	-	-	-	-	-	-	-	-	14.88	-	14.88
<b>Defending Against Catastrophic Threats</b>	<b>\$15.00</b>	-	-	-	-	-	-	-	-	<b>\$15.00</b>	-	-	<b>\$15.00</b>
Research to Combat Bioterrorism	15.00	-	-	-	-	-	-	-	-	15.00	-	-	15.00
<i>Microbial Genomics, Analysis &amp; Modeling</i>	15.00	-	-	-	-	-	-	-	-	15.00	-	-	15.00
<b>FY 2009 ARRA Actual</b>	-	<b>\$34.00</b>	<b>\$7.00</b>	-	<b>\$2.08</b>	-	-	-	-	<b>\$43.08</b>	-	-	<b>\$43.08</b>
<b>Protecting Critical Infrastructure &amp; Key Assets</b>	-	<b>\$34.00</b>	<b>\$7.00</b>	-	<b>\$2.08</b>	-	-	-	-	<b>\$43.08</b>	-	-	<b>\$43.08</b>
Cybersecurity	-	34.00	-	-	-	-	-	-	-	34.00	-	-	34.00
Emergency Planning & Response	-	-	1.00	-	0.58	-	-	-	-	1.58	-	-	1.58
Energy Supply Assurance	-	-	1.00	-	1.20	-	-	-	-	2.20	-	-	2.20
Resilient Infrastructure (Risk Mgmt, Modeling, Simul)	-	-	5.00	-	0.30	-	-	-	-	5.30	-	-	5.30
<b>FY 2010 Estimate</b>	<b>\$15.00</b>	<b>\$179.80</b>	<b>\$160.50</b>	-	<b>\$3.80</b>	<b>\$4.50</b>	<b>\$4.00</b>	<b>\$2.68</b>	-	<b>\$370.28</b>	<b>\$15.00</b>	<b>\$4.75</b>	<b>\$390.03</b>
<b>Protecting Critical Infrastructure &amp; Key Assets</b>	-	<b>\$179.80</b>	<b>\$160.50</b>	-	<b>\$3.80</b>	<b>\$4.50</b>	<b>\$4.00</b>	<b>\$2.68</b>	-	<b>\$355.28</b>	<b>\$15.00</b>	<b>\$4.75</b>	<b>\$375.03</b>
Antarctic Physical Security	-	-	-	-	-	-	-	0.28	-	0.28	-	-	0.28
Counterterrorism	-	27.00	-	-	-	-	-	-	-	27.00	-	-	27.00
Cybersecurity	-	123.50	3.20	-	-	-	4.00	-	-	130.70	-	-	130.70
Electronic Commerce	-	4.50	3.50	-	-	-	-	-	-	8.00	-	-	8.00
Emergency Planning & Response	-	24.80	26.30	-	3.10	-	-	-	-	54.20	-	-	54.20
Energy Supply Assurance	-	-	29.00	-	-	-	-	-	-	29.00	-	-	29.00
IT Security	-	-	-	-	-	-	-	2.40	-	2.40	-	4.75	7.15
Resilient Infrastructure (Risk Mgmt, Modeling, Simul)	-	-	98.50	-	0.70	4.50	-	-	-	103.70	-	-	103.70
Scholarships for Service / Cybercorps	-	-	-	-	-	-	-	-	-	-	15.00	-	15.00
<b>Defending Against Catastrophic Threats</b>	<b>\$15.00</b>	-	-	-	-	-	-	-	-	<b>\$15.00</b>	-	-	<b>\$15.00</b>
Research to Combat Bioterrorism	15.00	-	-	-	-	-	-	-	-	15.00	-	-	15.00
<i>Microbial Genomics, Analysis &amp; Modeling</i>	15.00	-	-	-	-	-	-	-	-	15.00	-	-	15.00
<b>Delta from FY 2010 Estimate to FY 2011 Request</b>	-	<b>\$15.00</b>	<b>\$1.60</b>	-	-	-	<b>-\$1.20</b>	-	-	<b>\$15.40</b>	-	-	<b>\$15.40</b>
<b>Protecting Critical Infrastructure &amp; Key Assets</b>	-	<b>\$15.00</b>	<b>\$1.60</b>	-	-	-	<b>-\$1.20</b>	-	-	<b>\$15.40</b>	-	-	<b>\$15.40</b>
Antarctic Physical Security	-	-	-	-	-	-	-	-	-	-	-	-	-
Counterterrorism	-	-	-	-	-	-	-	-	-	-	-	-	-
Cybersecurity	-	15.00	0.05	-	-	-	-1.20	-	-	13.85	-	-	13.85
Electronic Commerce	-	-	0.05	-	-	-	-	-	-	0.05	-	-	0.05
Emergency Planning & Response	-	-	0.25	-	-	-	-	-	-	0.25	-	-	0.25
Energy Supply Assurance	-	-	0.25	-	-	-	-	-	-	0.25	-	-	0.25
IT Security	-	-	-	-	-	-	-	-	-	-	-	-	-
Resilient Infrastructure (Risk Mgmt, Modeling, Simul)	-	-	1.00	-	-	-	-	-	-	1.00	-	-	1.00
Scholarships for Service / Cybercorps	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Defending Against Catastrophic Threats</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
Research to Combat Bioterrorism	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Microbial Genomics, Analysis &amp; Modeling</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>FY 2011 Request</b>	<b>\$15.00</b>	<b>\$194.80</b>	<b>\$162.10</b>	-	<b>\$3.80</b>	<b>\$4.50</b>	<b>\$2.80</b>	<b>\$2.68</b>	-	<b>\$385.68</b>	<b>\$15.00</b>	<b>\$4.75</b>	<b>\$405.43</b>
<b>Protecting Critical Infrastructure &amp; Key Assets</b>	-	<b>\$194.80</b>	<b>\$162.10</b>	-	<b>\$3.80</b>	<b>\$4.50</b>	<b>\$2.80</b>	<b>\$2.68</b>	-	<b>\$370.68</b>	<b>\$15.00</b>	<b>\$4.75</b>	<b>\$390.43</b>
Antarctic Physical Security	-	-	-	-	-	-	-	0.28	-	0.28	-	-	0.28
Counterterrorism	-	27.00	-	-	-	-	-	-	-	27.00	-	-	27.00
Cybersecurity	-	138.50	3.25	-	-	-	2.80	-	-	144.55	-	-	144.55
Electronic Commerce	-	4.50	3.55	-	-	-	-	-	-	8.05	-	-	8.05
Emergency Planning & Response	-	24.80	26.55	-	3.10	-	-	-	-	54.45	-	-	54.45
Energy Supply Assurance	-	-	29.25	-	-	-	-	-	-	29.25	-	-	29.25
IT Security	-	-	-	-	-	-	-	2.40	-	2.40	-	4.75	7.15
Resilient Infrastructure (Risk Mgmt, Modeling, Simul)	-	-	99.50	-	0.70	4.50	-	-	-	104.70	-	-	104.70
Scholarships for Service / Cybercorps	-	-	-	-	-	-	-	-	-	-	15.00	-	15.00
<b>Defending Against Catastrophic Threats</b>	<b>\$15.00</b>	-	-	-	-	-	-	-	-	<b>\$15.00</b>	-	-	<b>\$15.00</b>
Research to Combat Bioterrorism	15.00	-	-	-	-	-	-	-	-	15.00	-	-	15.00
<i>Microbial Genomics, Analysis &amp; Modeling</i>	15.00	-	-	-	-	-	-	-	-	15.00	-	-	15.00

**NSF Programs to Broaden Participation  
FY 2011 Request to Congress**

(Dollars in Millions)

	FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request	FY 2011 Request change over:			
					FY 2009 Omnibus Actual		FY 2010 Estimate	
					Amount	Percent	Amount	Percent
ADVANCE	\$20.74	\$1.00	\$21.02	\$21.65	\$0.91	4.4%	\$0.63	3.0%
<i>ADVANCE - R&amp;RA</i>	19.57	1.00	19.49	20.12	0.55	2.8%	0.63	3.2%
<i>ADVANCE - EHR</i>	1.18	-	1.53	1.53	0.35	30.0%	-	-
Advanced Technological Education (ATE)	51.85	-	64.00	64.00	12.15	23.4%	-	-
Alliances for Graduate Education and the Professoriate (AGEP)	17.18	-	16.75	16.75	-0.43	-2.5%	-	-
Broadening Participation in Computing (BPC)	14.00	-	14.00	14.00	-	-	-	-
Research Initiation Grants in Biology (RIG) <sup>1</sup>	1.75	-	2.00	2.00	0.25	14.3%	-	-
Centers of Research Excellence in Science and Technology (CREST)	30.42	5.00	30.53	30.53	0.11	0.4%	-	-
<i>CREST - R&amp;RA</i>	-	5.00	-	-	-	N/A	-	N/A
<i>CREST - EHR</i>	30.42	-	30.53	30.53	0.11	0.4%	-	-
Comprehensive Broadening Participation of Undergraduates in STEM <sup>2</sup>	87.02	-	90.10	103.10	16.08	18.5%	13.00	14.4%
Cyberinfrastructure Training, Education, Advancement and Mentoring (CI-TEAM)	-	-	5.00	5.00	5.00	N/A	-	-
Experimental Program to Stimulate Competitive Research (EPSCoR)	133.00	30.00	147.12	154.36	21.36	16.1%	7.24	4.9%
GEO LSAMP Linkages	1.00	-	1.00	1.00	-	-	-	-
Graduate Research Diversity (GRD) - ENG	0.81	-	1.50	1.50	0.69	85.2%	-	-
Graduate Research Fellowship - Women in Engineering and Computer Science	8.13	6.89	9.55	6.55	-1.58	-19.4%	-3.00	-31.4%
H-1B Nonimmigrant Petitioner Fee programs	89.08	-	100.00	100.00	10.92	12.3%	-	-
Informal Science Education (ISE)	65.72	-	66.00	64.40	-1.32	-2.0%	-1.60	-2.4%
Interdisciplinary Training for Undergraduates in Biological and Mathematical Sciences (UBM)	2.71	-	2.70	2.70	-0.01	-0.4%	-	-
<i>UBM - R&amp;RA</i>	2.11	-	2.10	2.10	-0.01	-0.5%	-	-
<i>UBM - EHR</i>	0.60	-	0.60	0.60	-	-	-	-
Math and Science Partnership (MSP)	60.99	25.00	58.22	58.22	-2.77	-4.5%	-	-
Minority Post-Docs	2.06	3.00	3.50	3.50	1.44	69.9%	-	-
<i>BIO Minority Post-Docs</i>	1.10	3.00	2.50	2.50	1.40	127.3%	-	-
<i>SBE Minority Post-Docs</i>	0.96	-	1.00	1.00	0.04	4.2%	-	-
Next Generation Workforce (NGW) - SBE <sup>3</sup>	1.03	-	1.00	-	-1.03	-100.0%	-1.00	-100.0%
Noyce Scholarships	55.00	60.00	55.00	55.00	-	-	-	-
Opportunities to Enhance Diversity in the Geosciences (OEDG)	4.83	6.96	4.60	3.60	-1.23	-25.4%	-1.00	-21.7%
Partnerships for Innovation (PFI)	9.19	-	9.19	19.19	10.00	108.8%	10.00	108.8%
Partnerships for Research and Education in Materials (PREM) - MPS	6.98	9.60	5.53	6.00	-0.98	-14.0%	0.47	8.5%
Research in Disabilities Education (RDE)	6.88	-	6.50	6.50	-0.38	-5.6%	-	-
Research on Gender in Science and Engineering (GSE)	11.40	-	11.50	10.50	-0.90	-7.9%	-1.00	-8.7%
Research Partnerships for Diversity (RPD) - MPS	1.00	-	2.00	2.00	1.00	100.0%	-	-
Science, Technology, Engineering and Math Talent Expansion Program (STEP)	29.09	-	32.53	32.53	3.44	11.8%	-	-
<i>STEP - R&amp;RA</i>	-	-	1.00	1.00	1.00	N/A	-	-
<i>STEP - EHR</i>	29.09	-	31.53	31.53	2.44	8.4%	-	-
Significant Opportunities in Atmospheric Research and Science (SOARS) - GEO	0.61	-	0.60	0.60	-0.01	-1.6%	-	-
Tribal College Pathways - ENG	-	-	-	-	-	N/A	-	N/A
Undergraduate Research Collaboratives (URC) - MPS <sup>3</sup>	2.16	-	1.00	-	-2.16	-100.0%	-1.00	-100.0%
Undergraduate Research Mentoring in Biology (URM)	3.00	1.68	3.00	3.00	-	-	-	-
<b>Subtotal, R&amp;RA</b>	<b>\$211.21</b>	<b>\$64.14</b>	<b>\$233.18</b>	<b>\$245.52</b>	<b>\$34.31</b>	<b>16.2%</b>	<b>\$12.34</b>	<b>5.3%</b>
<b>Subtotal, EHR</b>	<b>\$417.32</b>	<b>\$85.00</b>	<b>\$432.26</b>	<b>\$442.66</b>	<b>\$25.34</b>	<b>6.1%</b>	<b>\$10.40</b>	<b>2.4%</b>
<b>Subtotal, H-1B Nonimmigrant Petitioner Fees</b>	<b>\$89.08</b>	<b>-</b>	<b>\$100.00</b>	<b>\$100.00</b>	<b>\$10.92</b>	<b>12.3%</b>	<b>-</b>	<b>-</b>
<b>TOTAL, NSF</b>	<b>\$717.61</b>	<b>\$149.14</b>	<b>\$765.44</b>	<b>\$788.18</b>	<b>\$70.57</b>	<b>9.8%</b>	<b>\$22.74</b>	<b>3.0%</b>

Please note that this table displays a subset of the overall Broadening Participation portfolio. This list comprises the standard set of programs that have been historically tracked as Broadening Participation for budget purposes.

<sup>1</sup> Broadening Participation in the Biological Sciences is renamed to Research Initiation Grants in Biology (RIG) to clarify the program's intent.

<sup>2</sup> Comprehensive Broadening Participation of Undergraduates in STEM is a new EHR-managed program proposed for FY 2011, enfolded Historically-Black Colleges and Universities-Undergraduate Program (HBCU-UP), Louis Stokes Alliances for Minority Participation (LSAMP), and Tribal Colleges and Universities Program (TCUP) with new activities, as described in the EHR

<sup>3</sup> The Next Generation Workforce (NGW) and the Undergraduate Research Collaboratives (URC) programs' final year of funding is FY 2010.

**National Science Foundation  
Learning Funding by Level of Education  
FY 2011 Request to Congress**

(Dollars in Millions)

	FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request	FY 2011 Request change over:			
					FY 2009 Omnibus Actual		FY 2010 Estimate	
					Amount	Percent	Amount	Percent
K-12 Programs	\$60.07	\$25.00	\$57.17	\$57.06	-\$3.01	-5.0%	-\$0.11	-0.2%
Undergraduate Programs	266.07	85.51	288.60	291.07	25.00	9.4%	2.47	0.9%
Graduate & Professional Programs	328.32	119.84	366.72	379.36	51.04	15.5%	12.64	3.4%
Multi-level and Other Programs	250.67	19.02	254.89	285.56	34.89	13.9%	30.67	12.0%
<b>TOTAL, NSF</b>	<b>\$905.12</b>	<b>\$249.37</b>	<b>\$967.38</b>	<b>\$1,013.05</b>	<b>\$107.93</b>	<b>11.9%</b>	<b>\$45.67</b>	<b>4.7%</b>

## Number of People Involved in NSF Activities

Estimates are that in FY 2011 more than 214,000 people will be directly involved in NSF programs and activities, receiving salaries, stipends, or participant support. Also, NSF programs indirectly impact millions of people. These programs reach K-12 students and teachers, the general public, and researchers through activities including workshops; informal science activities such as museums, television, videos, and journals; outreach efforts; and dissemination of improved curriculum and teaching methods.

**Number of People Involved in NSF Activities**

	FY 2009 Omnibus Estimate	FY 2009 ARRA Estimate	FY 2010 Estimate	FY 2011 Estimate
Senior Researchers	41,971	12,408	44,770	46,580
Other Professionals	11,868	3,546	13,030	13,490
Postdoctorates	5,989	1,945	6,760	7,050
Graduate Students	37,621	15,945	41,320	43,620
Undergraduate Students	24,899	7,868	24,840	25,860
K-12 Students	13,001	500	13,010	13,650
K-12 Teachers	62,206	1,075	62,310	64,190
<b>Total Number of People</b>	<b>197,555</b>	<b>43,287</b>	<b>206,040</b>	<b>214,440</b>

**Senior Researchers** include scientists, mathematicians, engineers, and educators receiving funding through NSF awards. These include both researchers who are principal or co-principal investigators on research and education projects, and researchers working at NSF-supported centers and facilities.

**Other Professionals** are individuals who may or may not hold a doctoral degree or its equivalent, are considered professionals but are not reported as senior researchers, postdoctoral associates, or students. Examples are technicians, systems experts, etc.

**Postdoctoral Associates** are individuals who have received Ph.D., M.D., D.Sc., or equivalent and are not faculty members of the performing institution. About 98 percent are supported through funds included in research projects, centers, or facilities awards. Others are recipients of postdoctoral fellowships.

**Graduate Students** include those compensated from NSF grant funds. About 14 percent receive support through programs such as NSF Graduate Research Fellowship and NSF Graduate STEM Fellowships in K-12 Education. The balance assists senior researchers or postdoctoral associates in performing research and is supported through funds included in research projects, centers, or facilities awards. NSF provides support for about 5 percent of the science and engineering graduate students in the U.S.

**Undergraduate Students** include students enrolled in technical colleges or baccalaureate programs compensated from NSF grant funds. They may be assisting senior researchers or postdoctoral associates in performing research, or participating in NSF programs aimed at undergraduate students, such as Research Experiences for Undergraduates.

**K-12 Students** are those attending elementary, middle, and secondary schools. They are supported through program components that directly engage students in science and mathematics experiences.

**K-12 Teachers** include teachers at elementary, middle, and secondary schools. These individuals actively participate in intensive professional development experiences in the sciences and mathematics.

**NSF By Account**  
(Actual Dollars in Millions - Current Dollars)

Fiscal Year	Research & Related Activities	Education & Human Resources	Academic Research Infrastructure	Major Research Equipment & Facilities Construction	Agency Operations & Award Management	Office of Inspector General	National Science Board	NSF
1951	0.03	-	-	-	0.13	-	-	0.15
1952	1.40	1.54	-	-	0.53	-	-	3.47
1953	2.14	1.41	-	-	0.88	-	-	4.43
1954	4.52	1.89	-	-	1.55	-	-	7.96
1955	8.86	2.08	-	-	1.55	-	-	12.49
1956	10.79	3.52	-	-	1.68	-	-	15.99
1957	21.98	14.30	-	-	2.35	-	-	38.63
1958	27.37	19.21	-	-	2.93	-	-	49.51
1959	66.33	61.29	-	-	5.26	-	-	132.88
1960	88.35	63.74	-	-	6.51	-	-	158.60
1961	103.98	63.44	-	-	7.57	-	-	174.99
1962	173.26	78.58	-	-	8.98	-	-	260.82
1963	218.90	90.99	-	-	10.87	-	-	320.75
1964	239.95	102.58	-	-	12.05	-	-	354.58
1965	282.44	120.41	-	-	13.12	-	-	415.97
1966	328.63	124.31	-	-	13.09	-	-	466.02
1967	327.70	123.36	-	-	14.04	-	-	465.10
1968	350.20	134.71	-	-	15.38	-	-	500.29
1969	292.90	123.11	-	-	16.49	-	-	432.50
1970	316.41	126.41	-	-	19.68	-	-	462.49
1971	369.37	105.00	-	-	21.77	-	-	496.14
1972	482.43	93.73	-	-	24.56	-	-	600.72
1973	519.42	62.23	-	-	28.62	-	-	610.27
1974	533.29	80.71	-	-	31.66	-	-	645.65
1975	581.23	74.03	-	-	37.87	-	-	693.13
1976	619.72	62.48	-	-	42.23	-	-	724.42
1977	671.98	74.26	-	-	45.53	-	-	791.77
1978	734.69	73.86	-	-	48.70	-	-	857.25
1979	791.76	80.41	-	-	54.77	-	-	926.93
1980	836.83	80.06	-	-	58.24	-	-	975.13
1981	900.36	75.70	-	-	59.21	-	-	1,035.27
1982	909.75	26.20	-	-	63.18	-	-	999.14
1983	1,013.02	22.98	-	-	65.70	-	-	1,101.69
1984	1,177.70	62.97	-	-	66.26	-	-	1,306.92
1985	1,344.56	90.56	-	-	71.95	-	-	1,507.07
1986	1,329.64	91.69	-	-	71.84	-	-	1,493.17
1987	1,439.97	109.88	-	-	77.77	-	-	1,627.62
1988	1,481.31	156.79	-	-	84.47	-	-	1,722.57
1989	1,600.53	194.06	-	-	91.29	-	-	1,885.88
1990	1,696.56	230.41	0.41	-	96.35	2.33	-	2,026.06
1991	1,868.45	331.91	39.02	-	101.23	2.89	-	2,343.49
1992	1,940.48	459.44	33.36	-	109.99	3.86	-	2,547.13
1993	2,046.31	505.06	49.75	34.07	110.84	3.69	-	2,749.73
1994	2,168.36	569.03	105.38	17.04	123.49	3.92	-	2,987.21
1995	2,281.46	611.88	117.46	126.00	129.01	4.46	-	3,270.27
1996	2,327.80	601.16	70.89	70.00	132.50	3.98	-	3,206.33
1997	2,433.93	619.14	30.02	76.13	134.27	5.33	-	3,298.82
1998	2,572.62	633.16	-	78.21	136.95	4.80	-	3,425.73
1999	2,821.61	662.48	-	56.71	144.08	5.41	-	3,690.28
2000	2,979.90	683.58	-	105.00	149.28	5.60	-	3,923.36
2001	3,372.30	795.42	-	119.24	166.33	6.58	-	4,459.87
2002	3,615.97	866.11	-	115.35	169.93	6.70	-	4,774.06
2003	4,054.43	934.88	-	179.03	189.42	8.70	2.88	5,369.34
2004	4,293.34	944.10	-	183.96	218.92	9.47	2.22	5,652.01
2005	4,234.82	843.54	-	165.14	223.45	10.17	3.65	5,480.77
2006	4,351.03	798.48	-	233.81	247.06	11.47	3.94	5,645.79
2007	4,656.33	797.76	-	166.21	248.49	11.92	3.65	5,884.37
2008	4,853.24	766.26	-	166.85	282.04	11.83	3.82	6,084.04
2009 Omnibus Actual	5,152.39	845.52	-	160.76	294.09	11.99	4.02	6,468.76
2009 ARRA Actual	2,062.64	85.00	-	254.00	-	0.02	-	2,401.66
2010 Estimate	5,563.92	872.76	-	117.29	300.00	14.00	4.54	6,872.51
2011 Request	6,018.83	892.00	-	165.19	329.19	14.35	4.84	7,424.40

**NSF By Account**  
(FY Actuals - FY 2010 Constant Dollars in Millions)

Fiscal Year	Research & Related Activities	Education & Human Resources	Academic Research Infrastructure	Major Research Equipment & Facilities Construction	Agency Operations & Award Management	Office of Inspector General	National Science Board	NSF
1951	0.19	-	-	-	0.91	-	-	1.10
1952	9.82	10.78	-	-	3.72	-	-	24.32
1953	14.71	9.70	-	-	6.02	-	-	30.43
1954	30.72	12.85	-	-	10.51	-	-	54.07
1955	59.74	14.03	-	-	10.42	-	-	84.19
1956	70.91	23.13	-	-	11.04	-	-	105.09
1957	139.29	90.62	-	-	14.90	-	-	244.80
1958	168.40	118.14	-	-	18.04	-	-	304.58
1959	402.07	371.50	-	-	31.88	-	-	805.45
1960	528.91	381.58	-	-	38.96	-	-	949.46
1961	613.89	374.56	-	-	44.69	-	-	1,033.14
1962	1,011.73	458.85	-	-	52.42	-	-	1,523.01
1963	1,262.34	524.70	-	-	62.66	-	-	1,849.71
1964	1,367.48	584.61	-	-	68.69	-	-	2,020.77
1965	1,581.34	674.16	-	-	73.45	-	-	2,328.94
1966	1,801.94	681.63	-	-	71.77	-	-	2,555.34
1967	1,741.22	655.47	-	-	74.62	-	-	2,471.32
1968	1,797.41	691.40	-	-	78.93	-	-	2,567.75
1969	1,437.18	604.07	-	-	80.91	-	-	2,122.16
1970	1,473.44	588.66	-	-	91.63	-	-	2,153.74
1971	1,637.99	465.63	-	-	96.54	-	-	2,200.16
1972	2,042.72	396.88	-	-	104.00	-	-	2,543.60
1973	2,107.33	252.47	-	-	116.11	-	-	2,475.91
1974	2,018.92	305.55	-	-	119.85	-	-	2,444.32
1975	1,991.54	253.66	-	-	129.75	-	-	2,374.94
1976	1,980.99	199.72	-	-	134.98	-	-	2,315.70
1977	1,998.56	220.86	-	-	135.41	-	-	2,354.83
1978	2,046.97	205.80	-	-	135.67	-	-	2,388.44
1979	2,041.74	207.34	-	-	141.23	-	-	2,390.31
1980	1,982.83	189.70	-	-	138.00	-	-	2,310.53
1981	1,941.94	163.27	-	-	127.70	-	-	2,232.91
1982	1,836.47	52.89	-	-	127.54	-	-	2,016.90
1983	1,958.77	44.43	-	-	127.03	-	-	2,130.23
1984	2,196.09	117.41	-	-	123.55	-	-	2,437.06
1985	2,428.49	163.56	-	-	129.95	-	-	2,722.00
1986	2,347.18	161.86	-	-	126.81	-	-	2,635.85
1987	2,476.10	188.94	-	-	133.73	-	-	2,798.77
1988	2,468.04	261.23	-	-	140.73	-	-	2,870.00
1989	2,566.97	311.24	-	-	146.41	-	-	3,024.62
1990	2,624.38	356.41	0.63	-	149.04	3.60	-	3,134.07
1991	2,784.82	494.69	58.16	-	150.87	4.30	-	3,492.84
1992	2,818.73	667.38	48.45	-	159.77	5.60	-	3,699.94
1993	2,908.07	717.76	70.71	48.42	157.51	5.24	-	3,907.71
1994	3,017.68	791.92	146.65	23.72	171.86	5.45	-	4,157.27
1995	3,109.13	833.86	160.07	171.71	175.82	6.08	-	4,456.67
1996	3,112.20	803.73	94.78	93.59	177.14	5.31	-	4,286.76
1997	3,195.48	812.86	39.41	99.95	176.28	7.00	-	4,330.99
1998	3,335.17	820.83	-	101.39	177.54	6.22	-	4,441.14
1999	3,610.12	847.61	-	72.55	184.34	6.92	-	4,721.55
2000	3,738.88	857.69	-	131.74	187.30	7.03	-	4,922.63
2001	4,133.56	974.98	-	146.16	203.88	8.07	-	5,466.64
2002	4,360.35	1,044.41	-	139.10	204.91	8.08	-	5,756.85
2003	4,789.14	1,104.29	-	211.47	223.75	10.28	3.40	6,342.33
2004	4,944.61	1,087.31	-	211.87	252.13	10.91	2.56	6,509.38
2005	4,723.09	940.80	-	184.18	249.21	11.34	4.07	6,112.70
2006	4,692.23	861.10	-	252.14	266.43	12.37	4.25	6,088.52
2007	4,879.46	835.99	-	174.17	260.40	12.49	3.82	6,166.34
2008	4,970.45	784.77	-	170.87	288.85	12.11	3.92	6,230.97
2009 Omnibus Actual	5,198.53	853.09	-	162.19	296.72	12.10	4.06	6,526.69
2009 ARRA Actual	2,081.12	85.76	-	256.27	-	0.02	-	2,423.17
2010 Estimate	5,563.92	872.76	-	117.29	300.00	14.00	4.54	6,872.51
2011 Request	5,953.18	882.27	-	163.39	325.60	14.19	4.79	7,343.41

Totals may not add due to rounding.