

**RESEARCH AND RELATED ACTIVITIES (R&RA)****\$5,983,280,000**  
**+\$294,280,000 / 5.2%**

The FY 2013 Budget Request for the Research and Related Activities (R&RA) Appropriation is \$5,983.28 million, an increase of \$294.28 million, or 5.2 percent, above the FY 2012 Estimate level of \$5,689.00 million. Support from the R&RA Appropriation enables U.S. leadership and progress across the frontiers of scientific and engineering research and education.

Sustained, targeted investment by NSF in fundamental science and engineering advances discovery and learning and spurs innovation. Such transformational work holds great promise for meeting the myriad social, economic, and environmental challenges faced by both the Nation and the world.

In FY 2013, funding within the broad and flexible R&RA portfolio highlights the Administration's priorities for science and innovation, including a focus on interdisciplinary science and engineering; innovative research on clean energy and sustainability; key investments in advanced manufacturing, break-through materials, wireless communications, and smart systems; an emphasis on bolstering our Nation's cybersecurity; strong support for new faculty and young investigators; and vital evidence-based educational activities at every level of learning that build the science and engineering workforce of tomorrow.

**R&RA Funding**  
(Dollars in Millions)

	FY 2011 Actual	FY 2012 Estimate	FY 2013 Request	Change over FY 2012 Estimate	
				Amount	Percent
Biological Sciences	\$712.27	\$712.38	\$733.86	\$21.48	3.0%
Computer & Information Science & Engineering	636.06	653.59	709.72	56.13	8.6%
Engineering	763.33	826.17	876.33	50.16	6.1%
Geosciences	885.32	885.27	906.44	21.17	2.4%
Mathematical & Physical Sciences	1,312.42	1,308.94	1,345.18	36.24	2.8%
Social, Behavioral & Economic Sciences	247.33	254.25	259.55	5.30	2.1%
Office of Cyberinfrastructure	300.75	211.64	218.27	6.63	3.1%
Office of International Science & Engineering	49.03	49.85	51.28	1.43	2.9%
Office of Polar Programs <sup>1</sup>	440.70	435.87	449.74	13.87	3.2%
Integrative Activities	259.60	349.59	431.52	81.93	23.4%
U.S. Arctic Research Commission	1.58	1.45	1.39	-0.06	-4.1%
<b>Total, R&amp;RA</b>	<b>\$5,608.38</b>	<b>\$5,689.00</b>	<b>\$5,983.28</b>	<b>\$294.28</b>	<b>5.2%</b>

Totals may not add due to rounding.

<sup>1</sup> Funding for FY 2011 Actual excludes a one-time appropriation transfer of \$54.0 million, less the 0.2% rescission, to the U.S. Coast Guard per P.L. 112-110.

**RESEARCH AND RELATED ACTIVITIES**

**Appropriation Language**

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; ~~\$5,719,000,000~~, \$5,983,280,000, to remain available until September 30, ~~2013,2014~~, of which not to exceed ~~\$550,000,000~~ \$500,000,000 shall remain available until expended for polar research and operations support, and for reimbursement to other Federal agencies for operational and science support and logistical and other related activities for the United States Antarctic program: *Provided*, That receipts for scientific support services and materials furnished by the National Research Centers and other National Science Foundation supported research facilities may be credited to this appropriation.: ~~*Provided further*, That not less than \$150,900,000 shall be available for activities authorized by section 7002(e)(2)(A)(iv) of Public Law 110-69: *Provided further*, That up to \$50,000,000 of funds made available under this heading within this Act may be transferred to “Major Research Equipment and Facilities Construction”: *Provided further*, That funds so transferred shall not be subject to the transfer limitations described in the Administrative Provisions in this Act for the National Science Foundation, and shall be available until expended only after notification of such transfer to the Committees on Appropriations.~~

**Research and Related Activities  
FY 2013 Summary Statement  
(Dollars in Millions)**

	Enacted/ Request	Rescission	Carryover/ Recoveries	Transfers <sup>1</sup>	Expired	Total Resources	Obligations Incurred/ Est.
FY 2011 Appropriation	\$5,575.03	-\$11.15	\$100.77	-53.89		\$5,610.76	\$5,608.38
FY 2012 Estimate	5,719.00		2.38	-30.00	-	5,691.38	5,691.38
FY 2013 Request	5,983.28		-	-	-	5,983.28	5,983.28
\$ Change from FY 2012 Estimate							\$291.90
% Change from FY 2012 Estimate							5.1%

Totals may not add due to rounding.

<sup>1</sup>In FY 2011, \$53.89 million was transferred to the U.S. Coast Guard for ice breaking services, P.L. 112.10.

<sup>1</sup> In FY 2012, \$30.0 million was transferred from the Research and Related Activities (R&RA) account to the Major Research Equipment and Facilities Construction (MREFC) account, as provided by the Science Appropriations Act, 2012, P.L. 112-55.

**Explanation of Carryover**

Within the **Research and Related Activities (R&RA)** appropriation, NSF carried over \$2.38 million (i.e., 2-year: \$1.31 million; and no-year: \$1.07 million) into FY 2012. The major items include awards and contracts from various programs throughout NSF that were not ready for obligation in FY 2011. Obligation of these funds is expected by the second quarter of FY 2012.