

RESEARCH AND RELATED ACTIVITIES (R&RA)**\$6,018,830,000**
+\$454,910,000 / 8.2%

The FY 2011 Budget Request for the Research and Related Activities (R&RA) Appropriation is \$6,018.83 million, an increase of \$454.91 million, or 8.2 percent, above the FY 2010 Estimate of \$5,563.92 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 2011, funding within the broad and flexible R&RA portfolio underscores the Administration's priorities for science and innovation with a focus on new faculty and young investigator support; graduate research fellowships; support for students to pursue careers in science and engineering related to clean energy; and support for climate and energy multidisciplinary research.

R&RA Funding

(Dollars in Millions)

	FY 2009	FY 2009			Change over	
	Omnibus	ARRA	FY 2010	FY 2011	FY 2010 Estimate	
	Actual	Actual	Estimate	Request	Amount	Percent
Biological Sciences	\$656.62	\$260.00	\$714.54	\$767.81	\$53.27	7.5%
Computer & Information Science & Engineering	574.50	235.00	618.83	684.51	65.68	10.6%
Engineering	664.99	264.99	743.93	825.67	81.74	11.0%
Geosciences	808.53	347.00	889.64	955.29	65.65	7.4%
Mathematical & Physical Sciences	1,243.88	474.97	1,351.84	1,409.91	58.07	4.3%
Social, Behavioral & Economic Sciences	240.56	84.97	255.25	268.79	13.54	5.3%
Office of Cyberinfrastructure	199.23	80.00	214.28	228.07	13.79	6.4%
Office of International Science & Engineering	47.45	13.98	47.83	53.26	5.43	11.4%
Office of Polar Programs ¹	473.55	171.89	451.16	527.99	76.83	17.0%
Integrative Activities	241.58	129.85	275.04	295.93	20.89	7.6%
U.S. Arctic Research Commission	1.50	-	1.58	1.60	0.02	1.3%
Total, R&RA	\$5,152.39	\$2,062.64	\$5,563.92	\$6,018.83	\$454.91	8.2%

Totals may not add due to rounding.

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

RESEARCH AND RELATED ACTIVITIES

(including transfer of funds)

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; ~~\$5,617,920,000~~ \$6,018,830,000, to remain available until September 30, ~~2011~~ 2012, of which not to exceed ~~\$570,000,000~~ \$590,000,000 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, *including up to \$54,000,000 for the procurement of polar icebreaking services from the Coast Guard: Provided, That from funds specified in the fiscal year 2010 budget request for icebreaking services, \$54,000,000 shall be transferred to the U.S. Coast Guard "Operating Expenses" within 60 days of enactment of this Act the National Science Foundation shall only reimburse the Coast Guard for such sums as are agreed to according to the existing memorandum of agreement: Provided further, 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 \$147,120,000 shall be available for activities authorized by section 7002(e)(2)(A)(iv) of Public Law 110-69.~~*

R&RA

FY 2011 Summary Statement

(Dollars in Millions)

	Enacted/ Request	Carryover	Recoveries	Transfers ¹	Expired	Obligations Total Resources	Incurred/ Est.
FY 2009 Omnibus	\$5,183.10	\$0.56	\$11.05	\$3.07	-\$0.80	\$5,196.98	\$5,152.39
FY 2009 ARRA	2,500.00	-		-	-	2,500.00	2,062.64
FY 2010 ARRA	-	437.36		-	-	437.36	437.36
FY 2010 Estimate	5,617.92	44.59		-54.00	-	5,608.51	5,608.51
FY 2011 Request	6,018.83	-		-	-	6,018.83	6,018.83
\$ Change from FY 2010 Estimate							\$410.32
% Change from FY 2010 Estimate							7.3%

Totals may not add due to rounding.

¹ In FY 2009, NSF obligated incoming transfers of \$3.07 million from the U.S. Agency for International Development for the U.S. Civilian Research and Development Foundation into the Research and Related Activities account. In FY 2010, NSF transferred \$54.0 million to U.S. Coast Guard Operating Expenses account for ice breaking services.

Explanation of Carryover

For information on the Explanation of FY 2009 Carryover of funds into FY 2010 from Research and Related Activities, please refer to the Technical Information section.

FY 2011 Performance Highlights

The table below shows the strategic planning and evaluation framework for activities funded through the R&RA Appropriation. This framework was established in the NSF Strategic Plan for FY 2006-2011. NSF's strategic outcome goals are assessed annually by the Advisory Committee for GPRA Performance Assessment. Additional details are available in the Performance Information section of this document.

R&RA By Strategic Outcome Goal

(Dollars in Millions)

	FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request	Change over FY 2010 Estimate	
					Amount	Percent
Discovery	\$3,269.89	\$1,546.60	\$3,621.96	\$3,977.02	\$355.06	9.8%
Learning	266.67	164.37	316.58	344.32	27.74	8.8%
Research Infrastructure ¹	1,527.58	351.68	1,528.91	1,593.17	64.26	4.2%
Stewardship	88.25	-	96.47	104.32	7.85	8.1%
Total, R&RA	\$5,152.39	\$2,062.64	\$5,563.92	\$6,018.83	\$454.91	8.2%

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

