

National Science Foundation Report on FY 2010 Funding to Minority Serving Institutions

The National Science Foundation Authorization Act of 2002 (P.L. 107-368, Section 18), requires the National Science Foundation (NSF) to report annually on funds awarded to all identified minority serving institutions (MSIs)¹.

NSF's FY 2010 appropriation was \$6.9 billion of which \$6.6 billion was identified to support new and continuing awards for research and related activities (R&RA), education and human resources (EHR), and major research equipment and facilities construction (MRE). In addition, NSF obligated the remaining 20 percent (\$600 million) of American Recovery and Reinvestment Act of 2009 (ARRA) funds.²

This report tracks NSF's funding to MSIs from its annual appropriation and includes information about MSI funding from ARRA.

FY 2010 Appropriation

NSF's total investment to all MSIs in FY 2010 was \$255.9 million. This amount represents 5.0 percent of the \$5.1 billion awarded to all institutions of higher education (IHEs). This is a 0.6 percent increase from the FY 2009 level (\$254.4 million). Over the past 10 fiscal years, NSF's support to Historically Black Colleges and Universities (HBCUs), Institutions with High Hispanic Enrollment (HHEs), and Tribal Colleges and Universities (TCUs) exceed the growth for all IHEs (151.0 percent for HBCUs, HHEs, and TCUs versus 82.0 percent for all IHEs).

In FY 2010, awards to HBCUs, HHEs, and TCUs totaled \$247.5 million or 4.9 percent of funding to all IHEs. This is an increase from the FY 2009 level (\$241.0 million) and a continued increase in R&RA funding. NSF's funding to Majority Minority Serving Institutions (MMSIs)³, Alaska Native

¹ Identification of MSIs and HHEs is based on the 2006 U.S. Accredited Post Secondary Minority Institutions, U.S. Department of Education (ED), Office of Civil Rights Data. It is the most recent list available. A minority postsecondary institution is defined as an institution "whose enrollment of a single minority or a combination of minorities...exceeds 50 percent of all enrollment." 20 U.S.C. §1067k(3). NSF uses ED's list to recognize those IHEs with considerable enrollment of Alaska Natives, Native Hawaiians, a substantial number of historically underrepresented minority populations (i.e. African-Americans, Native Americans, and Hispanics). The complete list of MSIs is available on-line at <http://www.ed.gov/about/offices/list/ocr/edlite-minorityinst.html>. In addition, NSF tracks its funding to institutions that primarily serve people with disabilities (DSIs). This permits a more complete report of NSF investments to MSIs and helps inform the Foundation's actions as it works toward its goal of broadening participation in the science and engineering workforce.

² Additional information regarding NSF's ARRA spending plan is available in the NSF's FY 2010 Agency Financial Report, available online at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf11003.

³ IHEs as identified by ED with total minority enrollment greater than or equal to 50 percent of total student enrollment.

and Native Hawaiian Serving Institutions, Pacific Island IHEs, and institutions primarily serving students with disabilities (DSIs) was \$8.4 million or 0.2 percent of funding to all IHEs.

The following table provides a breakout by budget category of the NSF funds awarded.

FY 2010 NSF Direct Funding to Minority Serving Institutions
(Millions of Dollars)

	EHR	MRE	R&RA	H-1B	Total	Funding to All IHEs	MSIs as a Percent of IHE Funding
HBCUs, HHEs & TCUs	\$112.4	\$0	\$122.8	\$12.3	\$247.5	\$5,080.4	4.9%
MMSIs ⁴ , Alaska-Native and Native Hawaiian Serving, Pacific Island Institutions, and DSIs	\$ 3.8	\$0	\$ 4.5	\$ 0.07	\$ 8.4	\$5,080.4	0.2%
Total	\$116.2	\$0	\$127.4	\$12.4	\$255.9	\$5,080.4	5.0%

As reported in previous years, the table below provides data on NSF's funding by budget category to HBCUs, HHEs, and TCUs in FY 2010 and the preceding 10 years. The funding as a percentage of total funding to all IHEs is also included.

NSF Direct Funding to HBCUs, HHEs, and TCUs
(Millions of Dollars)

Year	Funding to HBCUs, HHEs, and TCUs					Funding to All IHEs	HBCUs, HHEs & TCUs as a Percentage of All IHE Funding
	EHR	MRE	R&RA	H-1B	Total		
2000	\$ 51.6	\$0	\$ 41.9	\$ 5.3	\$ 98.8	\$ 2,784.5	3.5%
2001	\$ 62.3	\$0	\$ 45.6	\$12.1	\$ 120.0	\$ 3,293.6	3.6%
2002	\$ 80.6	\$0	\$ 50.6	\$ 7.4	\$ 138.6	\$ 3,492.6	4.0%
2003	\$ 89.3	\$0	\$ 59.6	\$ 8.5	\$ 157.4	\$ 3,952.2	4.0%
2004	\$ 92.6	\$0	\$ 66.3	\$ 5.7	\$ 164.5	\$ 4,170.2	3.9%
2005	\$ 99.4	\$0	\$ 63.3	\$ 2.7	\$ 165.4	\$ 3,969.0	4.2%
2006	\$ 93.3	\$0	\$171.4	\$16.8	\$281.5 ⁵	\$ 4,104.5	6.9%
2007	\$103.3	\$0	\$ 65.4	\$ 9.0	\$ 177.7	\$ 4,327.6	4.1%
2008	\$101.0	\$0	\$ 97.7	\$11.4	\$ 210.1	\$ 4,464.5	4.7%
2009	\$113.6	\$0	\$120.1	\$ 7.7	\$ 241.4	\$ 4,685.2	5.2%
2010	\$112.4	\$0	\$122.8	\$12.3	\$247.5	\$5,080.4	4.9%
Percent Increase from 2000	118%	0%	193%	132%	151%	82%	

In FY 2010, there was a 2.2 percent increase in R&RA funding to HBCUs, HHEs, and TCUs, a 59.7 percent increase in H-1B funding, and a less than 1 percent decrease in EHR funding. The increased funding reflects the increasing proposal submission and success of these institutions in

⁴ Excludes HBCUs, HHEs, and TCUs that are also eligible for this classification.

⁵ NSF's FY 2006 identification of HHEs for tracking purposes did not reflect the Higher Education Act's definition. Starting in FY 2007, NSF standardized its identification of HHEs with the Department of Education's listing.

NSF's programs. For example, FY 2010 support for MSIs include awards for Partnerships for Research and Education in Materials (10), Information Technology Research (6), Long-Term Ecological Research (4), and a new Engineering Research Center at an HBCU.

Also of note, over the 11-year period the increase in funding collectively to HBCUs, HHEs, and TCUs continues to exceed the increase in funding to all IHEs, 151 percent and 82 percent respectively.

Appendix Table 1 provides the breakout by appropriation category and institution type (HBCUs, HHEs, and TCUs) for the years 2000 - 2010.

FY 2010 ARRA Funding

The remaining 20 percent (\$600 million) of the ARRA funds were obligated in FY 2010. The table below details the ARRA funding to MSIs by budget category.

FY 2010 ARRA Funding to Minority Serving Institutions
(Millions of Dollars)

	EHR	MRE	R&RA	Total	Funding to All IHEs	MSIs as a Percent of IHE Funding
HBCUs, HHEs & TCUs	\$2.1	\$0	\$26.0	\$28.1	\$416.6	6.7%
MMSIs ⁶ , Alaska-Native and Native Hawaiian Serving, Pacific Island Institutions; and DSIs	\$ 0	\$0	\$ 0.7	\$ 0.7	\$416.6	0.2%
Total	\$2.1	\$0	\$26.7	\$28.8	\$416.6	6.9%

Numbers may not add due to rounding.

The bulk of ARRA funds supported R&RA programs and resulted in awards for basic research, facilities, and research infrastructure. The majority of funding to MSIs was from three programs: Academic Research Infrastructure, Major Research Instrumentation, and the new Science Masters Program. MSIs received 6.9 percent (\$28.7 million) of the ARRA funds awarded to IHEs.

Attachment
Appendix Table 1

⁶ Excludes HBCUs, HHEs, and TCUs that are also eligible for this classification.

Appendix Table 1

Direct NSF Funding to Minority Serving Institutions for Fiscal Year 2000-2010

(BIIS Univ cut) as of: 26 NOV 2010

Appropriation	FY	All IHEs	HBCUs	HBCU % of IHE	HHEs	HHE % of IHE	TCUs	TCU % of IHE	Total HBCU, HHE, & TCU	Total HBCU, HHE, & TCU % of IHE
Education	2000	\$422.8M	\$23.4M	5.5%	\$19.9M	4.7%	\$8.2M	1.9%	\$51.6M	12.2%
& Human	2001	\$499.8M	\$31.4M	6.3%	\$19.2M	3.8%	\$11.8M	2.4%	\$62.3M	12.5%
Resources	2002	\$591.9M	\$38.5M	6.5%	\$30.0M	5.1%	\$12.1M	2.0%	\$80.6M	13.6%
	2003	\$681.9M	\$37.0M	5.4%	\$39.8M	5.8%	\$12.5M	1.8%	\$89.3M	13.1%
	2004	\$709.4M	\$55.3M	7.8%	\$30.0M	4.2%	\$7.3M	1.0%	\$92.6M	13.1%
	2005	\$658.3M	\$46.9M	7.1%	\$42.1M	6.4%	\$10.4M	1.6%	\$99.4M	15.1%
	2006	\$542.0M	\$45.2M	8.3%	\$38.3M	7.1%	\$9.8M	1.8%	\$93.3M	17.2%
	2007	\$612.2M	\$53.2M	8.7%	\$39.7M	6.5%	\$10.3M	1.7%	\$103.3M	16.9%
	2008	\$617.0M	\$59.4M	9.6%	\$31.8M	5.2%	\$9.8M	1.6%	\$101.0M	16.4%
	2009	\$672.9M	\$61.2M	9.1%	\$38.5M	5.7%	\$14.0M	2.1%	\$113.6M	16.9%
	2010	\$689.5M	\$56.8M	8.2%	\$43.7M	6.3%	\$11.9M	1.7%	\$112.4M	16.3%
Major	2000	\$23.5M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
Research	2001	\$88.4M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
Equipment	2002	\$49.9M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
	2003	\$82.9M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
	2004	\$53.4M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
	2005	\$43.1M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
	2006	\$55.3M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
	2007	\$25.6M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
	2008	\$47.6M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
	2009	\$73.1M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
	2010	\$80.9M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
Research	2000	\$2,314.1M	\$9.4M	0.4%	\$31.5M	1.4%	\$1.0M	0.0%	\$41.9M	1.8%
& Related	2001	\$2,633.8M	\$10.5M	0.4%	\$34.9M	1.3%	\$0.2M	0.0%	\$45.6M	1.7%
Activities	2002	\$2,806.1M	\$12.5M	0.4%	\$37.9M	1.4%	\$0.2M	0.0%	\$50.6M	1.8%
	2003	\$3,156.2M	\$13.4M	0.4%	\$44.5M	1.4%	\$1.7M	0.1%	\$59.6M	1.9%
	2004	\$3,361.9M	\$15.3M	0.5%	\$49.0M	1.5%	\$2.0M	0.1%	\$66.3M	2.0%
	2005	\$3,255.8M	\$13.7M	0.4%	\$49.3M	1.5%	\$0.3M	0.0%	\$63.3M	1.9%
	2006	\$3,416.1M	\$21.1M	0.6%	\$149.8M	4.4%	\$0.5M	0.0%	\$171.4M	5.0%
	2007	\$3,564.2M	\$15.0M	0.4%	\$49.9M	1.4%	\$0.5M	0.0%	\$65.4M	1.8%
	2008	\$3,689.7M	\$29.7M	0.8%	\$66.4M	1.8%	\$1.7M	0.0%	\$97.7M	2.6%
	2009	\$3,864.8M	\$31.0M	0.8%	\$84.6M	2.2%	\$4.5M	0.1%	\$120.1M	3.1%
	2010	\$4,223.7M	\$25.8M	0.6%	\$95.3M	2.3%	\$1.7M	0.0%	\$122.8M	2.9%
H-1B Visa	2000	\$24.1M	\$3.1M	13.0%	\$2.2M	9.1%	\$0.0M	0.0%	\$5.3M	22.1%
Receipts	2001	\$71.6M	\$5.5M	7.7%	\$5.3M	7.4%	\$1.3M	1.8%	\$12.1M	16.9%
	2002	\$44.8M	\$2.9M	6.4%	\$3.9M	8.6%	\$0.6M	1.4%	\$7.4M	16.5%
	2003	\$31.1M	\$0.3M	1.1%	\$2.8M	9.1%	\$5.3M	17.0%	\$8.5M	27.2%
	2004	\$45.5M	\$1.8M	4.0%	\$3.9M	8.5%	\$0.0M	0.0%	\$5.7M	12.5%
	2005	\$11.8M	\$1.8M	14.9%	\$0.0M	0.3%	\$0.9M	7.5%	\$2.7M	22.7%
	2006	\$91.2M	\$6.0M	6.6%	\$10.8M	11.8%	\$0.0M	0.0%	\$16.8M	18.4%
	2007	\$125.6M	\$2.1M	1.7%	\$6.9M	5.5%	\$0.0M	0.0%	\$9.0M	7.2%
	2008	\$110.2M	\$5.0M	4.5%	\$6.4M	5.8%	\$0.0M	0.0%	\$11.4M	10.3%
	2009	\$74.3M	\$2.8M	3.8%	\$4.9M	6.5%	\$0.0M	0.0%	\$7.7M	10.4%
	2010	\$86.3M	\$4.1M	4.8%	\$7.6M	8.8%	\$0.6M	0.7%	\$12.3M	14.2%
FY 2010 Grand Totals		\$5,080.4M	\$86.7M	1.7%	\$146.6M	2.9%	\$14.2M	0.3%	\$247.5M	4.9%

The transfer of EPSCoR from EHR to R&RA is reflected from FY 2006 onward for comparability. Numbers may not add due to rounding.