

NATIONAL SCIENCE FOUNDATION REPORT ON FY 2018 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 This report tracks NSF funding to MSIs from its FY 2018 appropriation and from its H-1B Nonimmigrant Petitioner Account.²

NSF is funded primarily through six congressional appropriations, which totaled \$7.77 billion in FY 2018. By comparison, the FY 2018 budget authority was 3.9 percent above the FY 2017 budget authority of \$7.47 billion. In FY 2018, NSF programmatic activities—including grants and cooperative agreements—funded through NSF’s Research and Related Activities (R&RA), Education and Human Resources (EHR), and Major Research Equipment and Facilities Construction (MREFC) appropriations accounted for 96 percent of NSF’s total appropriations.

Additionally, in FY 2018 NSF received \$156 million in H-1B Nonimmigrant Petitioner fees. This amount reflects \$10.3 million that was sequestered in FY 2018 and \$9.7 million that was sequestered in FY 2017. H-1B funds are used to support two programs, scholarships for low income students and partnerships in K-12 education, with an emphasis on broadening participation in science and engineering.

NSF’s total investment to all MSIs in FY 2018 was \$771.9 million. This amount represents 13.1 percent of the \$5,898.3 million awarded to all institutions of higher education (IHEs). There has been a steady rise, amounting to a 303 percent increase in nominal dollars over the past decade, in NSF’s total funding for MSIs. In FY 2018, the investment rose sharply from \$412.8 million to \$771.9 million. This increase of \$359.1 million was due, in part, to the new Historically Black Colleges and Universities- Excellence in Research (HBCU-EiR) and Hispanic Serving Institutions (HSI) programs. Additionally, the following NSF programmatic activities contributed to the overall increase in FY 2018 funding: Established Program to Stimulate Competitive Research (EPSCoR) Research Infrastructure Improvement, and EPSCoR Co-Funding; Louis Stokes Alliances for Minority Participation (LSAMP), Discovery Research PreK-12 (DRK-12), Major Research Instrumentation (MRI), Partnerships for Research and Education in Materials (PREM); Student support programs, namely the Graduate Research Fellowship Program (GRFP), Robert Noyce Teacher Scholarship Program (Noyce), NSF Scholarships in Science, Technology, Engineering and Mathematics (S-STEM), and CyberCorps®: Scholarship for Service (SFS).

In FY 2018, awards to HBCUs, Institutions with High Hispanic Enrollment (HHEs), and Tribal Colleges and Universities (TCUs) totaled \$606.1 million or 10.3 percent of funding to all IHEs. This is a 53 percent increase from the FY 2017 level (\$395.7 million). NSF’s funding to Majority Minority-Serving Institutions (MMSIs),³ Alaska Native and Native Hawaiian Serving Institutions, Pacific Island IHEs, and IHEs with High African American Enrollment (HAAE) or High American Indian Enrollment (HAIE) and those

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 <https://www2.ed.gov/about/offices/list/ope/itudes/eligibility.html>.

² Beginning in FY 1999, Title IV of the American Competitiveness and Workforce Improvement Act of 1998 (P.L. 105-277) established an H-1B Nonimmigrant Petitioner Account in the general fund of the U.S. Treasury for fees collected for each petition for alien nonimmigrant status. That law required that prescribed percentages of funds in the account be made available to NSF for low-income scholarships; grants for mathematics, engineering, or science enrichment courses; and systemic reform activities. In FY 2005, Public Law 108-447 reauthorized H-1B funding. NSF was provided with 40 percent of the total H-1B receipts collected.

³ IHEs as identified by ED with total minority enrollment greater than or equal to 50 percent of total student enrollment. To avoid double counting, funds identified in the MMSI category excludes all funding to named categories of minority-serving institutions (e.g., HBCU).

primarily serving students with disabilities (DSIs) was \$165.8 million or 2.8 percent of funding to all IHEs. The following table provides a breakout by budget category of the NSF funds awarded.

FY 2018 NSF Direct Funding to Minority-Serving Institutions
(Millions of Dollars)

	EHR	MREFC	R&RA	H-1B	Total*	MSIs as a Percent of IHE Funding
HBCUs, HHEs & TCUs	\$183.3	0	\$383.9	\$39.0	\$606.1	10.3%
MMSIs, Alaska-Native and Native Hawaiian Serving, Pacific Island IHEs, HAAEs, HAIEs, and DSIs	\$27.4	0	\$123.1	\$15.2	\$165.8	2.8%
Total	\$210.7	\$0	\$507.0	\$54.2	\$771.9	13.1%

*Numbers may not add due to rounding.

The table below provides data on NSF funding by budget category to all categories of MSIs in FY 2018 and the preceding ten years. The funding as a percentage of total funding to all IHEs is also included.

NSF Direct Funding to All Categories of Minority-Serving Institutions
(Millions of Dollars)

Year	Funding to All Categories of Minority-Serving Institutions					Funding to All IHEs	MSIs as a Percent of IHE Funding
	EHR	MREFC	R&RA	H-1B	Total		
2008	\$106.9	\$0	\$105.0	\$13.0	\$224.8	\$4,464.5	5.0%
2009	\$119.7	\$0	\$126.5	\$8.2	\$254.4	\$4,685.2	5.4%
2010	\$116.2	\$0	\$127.4	\$12.4	\$255.9	\$5,080.5	5.0%
2011	\$121.5	\$0	\$147.3	\$11.9	\$280.7	\$5,136.0	5.5%
2012	\$115.8	\$0	\$131.8	\$17.3	\$265.0	\$5,230.7	5.1%
2013	\$125.6	\$0	\$138.6	\$15.9	\$280.1	\$5,116.3	5.5%
2014	\$124.8	\$0	\$187.0	\$15.2	\$327.0	\$5,253.6	6.2%
2015	\$131.5	\$0	\$192.3	\$22.5	\$346.2	\$5,560.7	6.2%
2016	\$152.1	\$0	\$314.0	\$38.5	\$504.6	\$5,547.6	9.1%
2017	\$124.7	\$0	\$275.4	\$12.7	\$412.8	\$5,628.8	7.3%
2018	\$210.7	\$0	\$507.0	\$54.2	\$771.9	\$5,898.3	13.1%

Appendix Table 1 provides a breakout by appropriations category of funding to HBCUs, HHEs, and TCUs for the years 2008-2018. In FY 2018, the funding from EHR, R&RA, and H-1B accounts to HBCUs, HHEs, and TCUs was \$606.1 million, an increase from the FY 2017 level (\$395.7 million). FY 2018 funding to HBCUs, HHEs, and TCUs also represented an increase as a percentage of funding to all IHEs (10.3 percent) compared to FY 2017 (7.0 percent).

Attachment:

Appendix Table 1

Direct NSF Funding to Minority-Serving Institutions for Fiscal Year 2008-2018

BIS Univ cut as of NOV 2018

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 & Human Resources	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%
	2011	\$693.5M	\$66.6M	9.6%	\$34.7M	5.0%	\$11.8M	1.7%	\$113.1M	16.3%
	2012	\$685.7M	\$64.3M	9.4%	\$36.4M	5.3%	\$9.6M	1.4%	\$110.3M	16.1%
	2013	\$697.2M	\$66.3M	9.5%	\$38.2M	5.5%	\$10.8M	1.6%	\$115.3M	16.5%
	2014	\$688.9M	\$59.5M	8.6%	\$45.1M	6.6%	\$11.4M	1.7%	\$116.1M	16.9%
	2015	\$728.9M	\$66.0M	9.1%	\$44.3M	6.1%	\$12.7M	1.7%	\$123.1M	16.9%
	2016	\$738.0M	\$58.0M	7.9%	\$70.5M	9.5%	\$7.3M	1.0%	\$135.8M	18.4%
	2017	\$736.1M	\$59.7M	8.1%	\$47.6M	6.5%	\$13.7M	1.9%	\$120.9M	16.4%
2018	\$762.0M	\$58.6M	7.7%	\$107.6M	14.1%	\$17.0M	2.2%	\$183.3M	24.1%	
Major Research Equipment and Facilities Construction	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%
	2011	\$25.2M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
	2012	\$22.0M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
	2013	\$15.2M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
	2014	\$14.9M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
	2015	\$0.0M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
	2016	\$0.0M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
	2017	\$121.9M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%
2018	\$88.0M	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	\$0.0M	0.0%	
Research & Related Activities	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%
	2011	\$4,333.2M	\$23.1M	0.5%	\$115.8M	2.7%	\$1.4M	0.0%	\$140.4M	3.2%
	2012	\$4,439.4M	\$30.2M	0.7%	\$96.8M	2.2%	\$0.1M	0.0%	\$127.1M	2.9%
	2013	\$4,299.5M	\$19.2M	0.4%	\$111.5M	2.6%	\$1.3M	0.0%	\$132.0M	3.1%
	2014	\$4,429.3M	\$28.5M	0.6%	\$152.3M	3.4%	\$0.5M	0.0%	\$181.3M	4.1%
	2015	\$4,703.7M	\$18.7M	0.4%	\$165.6M	3.5%	\$0.0M	0.0%	\$184.3M	3.9%
	2016	\$4,639.7M	\$36.6M	0.8%	\$251.0M	5.4%	\$0.5M	0.0%	\$288.0M	6.2%
	2017	\$4,668.1M	\$20.8M	0.4%	\$242.2M	5.2%	\$0.2M	0.0%	\$263.2M	5.6%
2018	\$4,870.8M	\$43.9M	0.9%	\$338.9M	7.0%	\$1.1M	0.0%	\$383.9M	7.9%	
H-1B Visa Receipts	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%
	2011	\$84.1M	\$2.2M	2.6%	\$8.8M	10.5%	\$0.8M	1.0%	\$11.8M	14.1%
	2012	\$83.6M	\$2.8M	3.4%	\$12.7M	15.2%	\$0.5M	0.6%	\$16.0M	19.2%
	2013	\$104.4M	\$6.7M	6.4%	\$5.9M	5.6%	\$0.3M	0.3%	\$12.9M	12.3%
	2014	\$120.5M	\$3.2M	2.7%	\$9.6M	7.9%	\$0.0M	0.0%	\$12.8M	10.6%
	2015	\$128.1M	\$3.5M	2.7%	\$16.3M	12.7%	\$0.0M	0.0%	\$19.7M	15.4%
	2016	\$169.9M	\$8.2M	4.8%	\$26.9M	15.8%	\$0.0M	0.0%	\$35.1M	20.7%
	2017	\$102.7M	\$2.3M	2.2%	\$8.3M	8.1%	\$1.0M	0.9%	\$11.6M	11.3%
2018	\$177.5M	\$3.1M	1.8%	\$35.8M	20.2%	\$0.0M	0.0%	\$39.0M	21.9%	
FY 2018 Grand Totals		\$5,898.3	\$105.6M	1.8%	\$482.3M	8.2%	\$18.1M	0.3%	\$606.1M	10.3%

Numbers may not add due to rounding.