Introduction

As indicated in the RCA Annual Report, the state of research is alive and well at North Dakota State University. Our industrious faculty, staff, and students submitted 1,338 proposals during FY 2017, which is the second-highest recorded number of proposals in our history. These proposals requested more than \$238,224,000 in funding from external sponsors, including federal and state government, private industry, commodity groups, and foundations.

The federal government remains our largest supporter, providing nearly 67% of total external award funding. Additional contributor categories include 11% for commodity groups, 9% for state funding and 4.3% for private industry. Comparing category totals between FY 2017 and FY 2016 highlights some notable increases, including 57% for other governmental offices, 21% for private industry and 11.5% in the commodity category.

Sponsored Programs Administration continues to encourage NDSU's creative and innovative faculty, staff, and students by supporting the pursuit of external funding to support their research, scholarship, and creative activities. As we applied the successes and accomplishments of the past year, we continue our commitment to the enhancement of future services and support. This report provides an abbreviated quantitative snapshot of FY 2017 awards.

Breakdown of external awards and federal formula funds:

	*FY 2015	*FY 2016	FY 2017
External Awards	*\$65,486,702	*\$70,615,037	\$61,717,564
Total External Awards	*\$65,486,702	*\$70,615,037	\$61,717,564
Hatch/McIntire-Stennis Funds			
	\$3,184,546	\$3,184,348	\$3,144,546
Extension Service Smith-Lever Formula Funds			
	\$3,920,040	\$3,919,415	\$3,977,043
Student Financial Aid			
	\$11,021,451	\$10,530,068	\$10,538,815
Total Federal Formula Funds	\$18,126,037	\$17,633,831	\$17,660,404
Grand Total	*\$83,612,739	*\$88,248,868	\$79,377,968

Estimated R&D expenditures reported to the National Science Foundation total \$153.1 million for NDSU in FY 2017.

^{*}Adjustments were made to the previously published FY 2015 & FY 2016 External Award totals. The adjusted totals are included here.

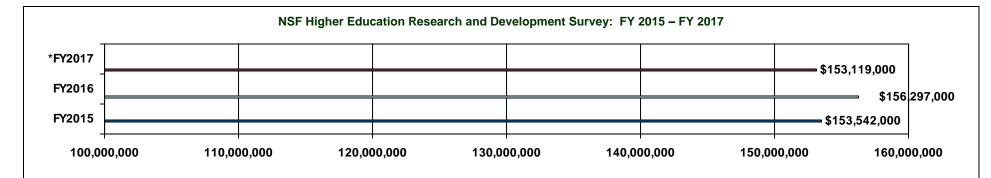
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NSF Higher Education Research and Development Survey (HERD)

Each year, the National Science Foundation requests data from universities and colleges on their respective fiscal year research and development expenditures. The survey is developed and conducted by the NSF Division of Science Resources Statistics (SRS) and fulfills the legislative mandate of the National Science Foundation Act to "provide a central clearinghouse for the collection, interpretation, and analysis of data on scientific and engineering resources". The SRS develops and directs about 14 surveys and annually produces about 30 publications related to resources devoted to science, engineering, and technology. The surveys contribute to decisions affecting higher education, Congress, the executive branch, and education associations using institutional data.

The data represented below is generated from funding awarded to NDSU. Sources of funding include: Federal government, State and local government, industry, institution, and other sources such as non-profit foundations. Institutional funds include state appropriations, tuition and fees, and gifts expended for research and development activities. In addition, un-reimbursed indirect costs and cost sharing are included as part of the institutional data.



Field	FY 2015	FY 2016	FY 2017*
Engineering	12,678,000	13,009,000	13,052,000
Physical Sciences	10,951,000	10,684,000	8,120,000
Environmental Sciences	705,000	439,000	613,000
Mathematical Sciences	777,000	979,000	901,000
Computer Sciences	3,949,000	2,878,000	3,285,000
Life Sciences	95,345,000	103,685,000	103,148,000
Psychology	3,590,000	4,105,000	3,629,000
Social Science	16,906,000	12,250,000	11,635,000
Other Sciences (Interdisciplinary)	4,033,000	4,077,000	4,845,000
Non-Science & Engineering	4,608,000	4,191,000	3,890,000
	153,542,000	156,297,000	153,119,000

* FY 2017 Preliminary Figures and subject to change

Proposals Processed through Sponsored Programs Administration And Total Dollars Requested from External Funding Sources FY 2015 - FY 2017

	FY 2	2015**	FY	2016	FY 2	2017
College/Unit*	# Proposals	Requested	# Proposals	Requested	# Proposals	Requested
College of Agriculture, Food Systems and Natural Resources	**10	**\$137,396	21	\$361,922	20	\$909,891
Agriculture Experiment Station and Extension Service	661	\$64,661,987	619	\$45,345,585	709	\$65,584,698
College of Arts, Humanities and Social Sciences	61	\$2,544,075	60	\$2,034,506	58	\$5,514,354
College of Business	2	\$5,000	3	\$119,844	2	\$21,000
College of Engineering	173	\$43,308,647	166	\$47,745,548	164	\$33,164,097
College of Human Development and Education	43	\$4,719,504	30	\$2,178,982	42	\$1,188,876
College of Health Professions	78	\$24,792,569	76	\$40,508,646	113	\$55,597,597
College of Science and Mathematics	147	\$53,954,944	156	\$51,980,522	140	\$42,267,501
University Miscellaneous Offices	**118	**\$14,542,076	51	\$12,555,680	47	\$23,216,860
Upper Great Plains Transportation Institute	38	\$6,986,351	59	\$19,594,026	43	\$10,759,719
TOTAL	1331	\$215,652,549	1241	\$222,425,261	1338	\$238,224,593

^{*}College/unit categories are determined by the principal investigator's department only; co-investigators' departments are not reflected.

^{**}Adjustments were made to the previously published FY 2015 Proposals Processed by College. The adjusted College amounts are included here.

Total Dollars Awarded from External Funding Sources FY 2015 - FY 2017

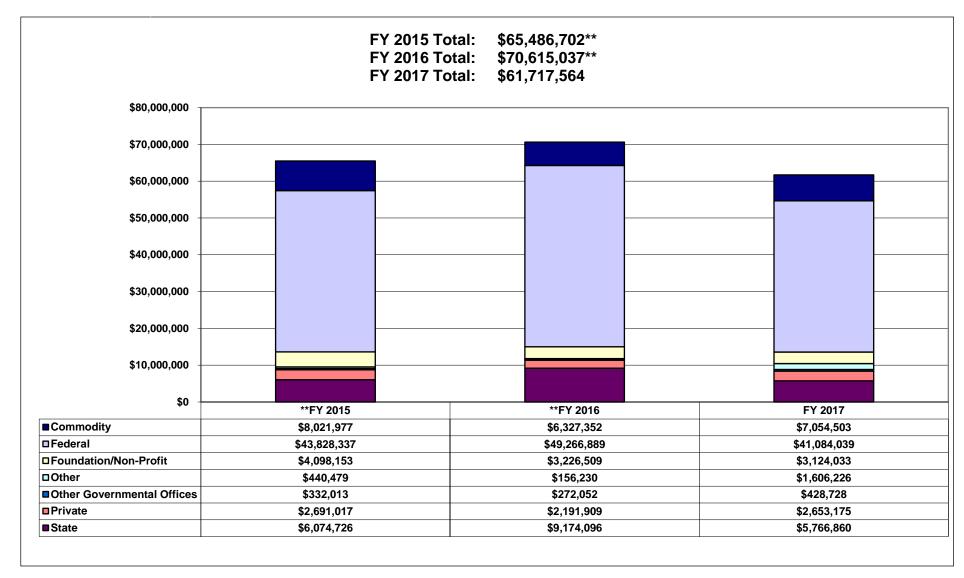
	FY 2015**	FY 2016**	FY 2017
College/Unit*	Awarded	Awarded	Awarded
College of Agriculture, Food Systems & Natural Resources	\$65,645	\$245,373	\$232,264
Agriculture Experiment Station & Extension Service	\$22,062,871	**\$25,959,370	\$20,583,928
College of Arts, Humanities & Social Sciences	**\$1,437,846	**\$1,479,586	\$1,251,191
College of Business	\$3,000	\$27,000	\$111,083
College of Engineering	\$3,604,157	\$3,514,252	\$3,968,227
College of Human Development & Education	\$854,294	\$1,684,601	\$980,757
College of Health Professions	\$4,247,266	\$6,235,743	\$7,471,284
College of Science & Mathematics	***\$14,764,781	***\$12,405,847	\$6,036,695
University Miscellaneous Offices	***\$11,208,792	***\$12,430,651	\$13,280,827
Upper Great Plains Transportation Institute	\$7,238,050	\$6,632,614	\$7,801,308
TOTAL	**\$65,486,702	**\$70,615,037	\$61,717,564

^{*}College/unit categories are determined by the principal investigator's department only; co-investigators' departments are not reflected.

^{**}Adjustments were made to the previously published FY 2015 and FY 2016 External Funding Sources total. The adjusted totals are included here.

^{***}In FY 2016 report, FY 2015 and FY 2016 Awarded amounts for Science & Mathematics & University Miscellaneous Offices were transposed. The transposed numbers are corrected here.

Summary of External Awards by Source* FY 2015 - FY 2017



^{*}Federal formula funds and state appropriated dollars are not included.

^{**} Adjustments were made to the previously published FY2015 and FY2016 source totals and External Awards totals. The adjusted totals are included here.