

Sponsored Program Summary Unaudited FY18 and 1st Quarter FY19 Activities

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Vice President for Research

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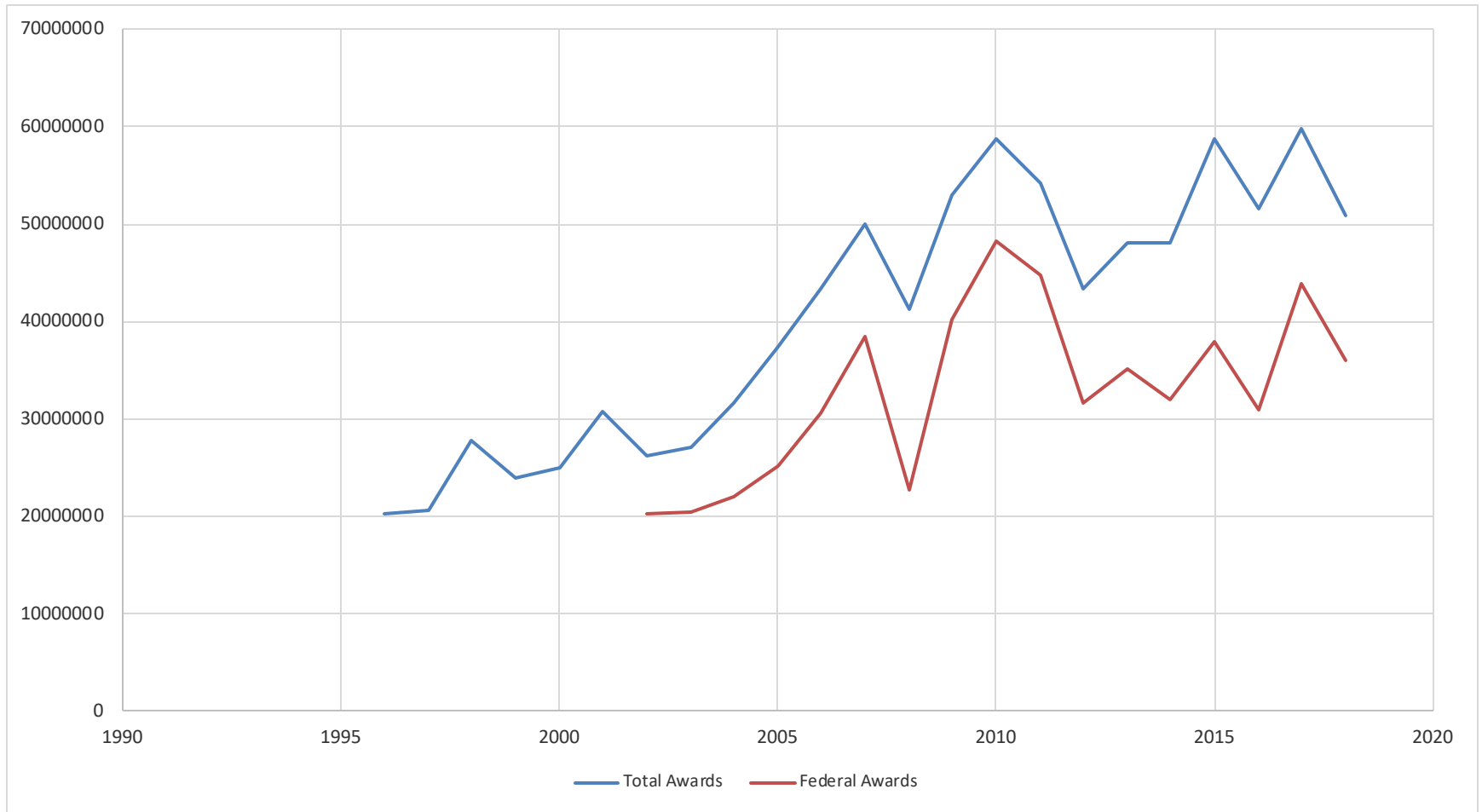
Outline

- Unaudited Results FY18
 - Sponsored Awards
 - Research Expenditures
 - Intellectual Property/Commercialization
 - Corporate Sponsorship
- 1st Quarter FY19
 - Sponsored Awards
 - Research Expenditures
- Benchmarking



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Sponsored Awards, Unaudited FY18

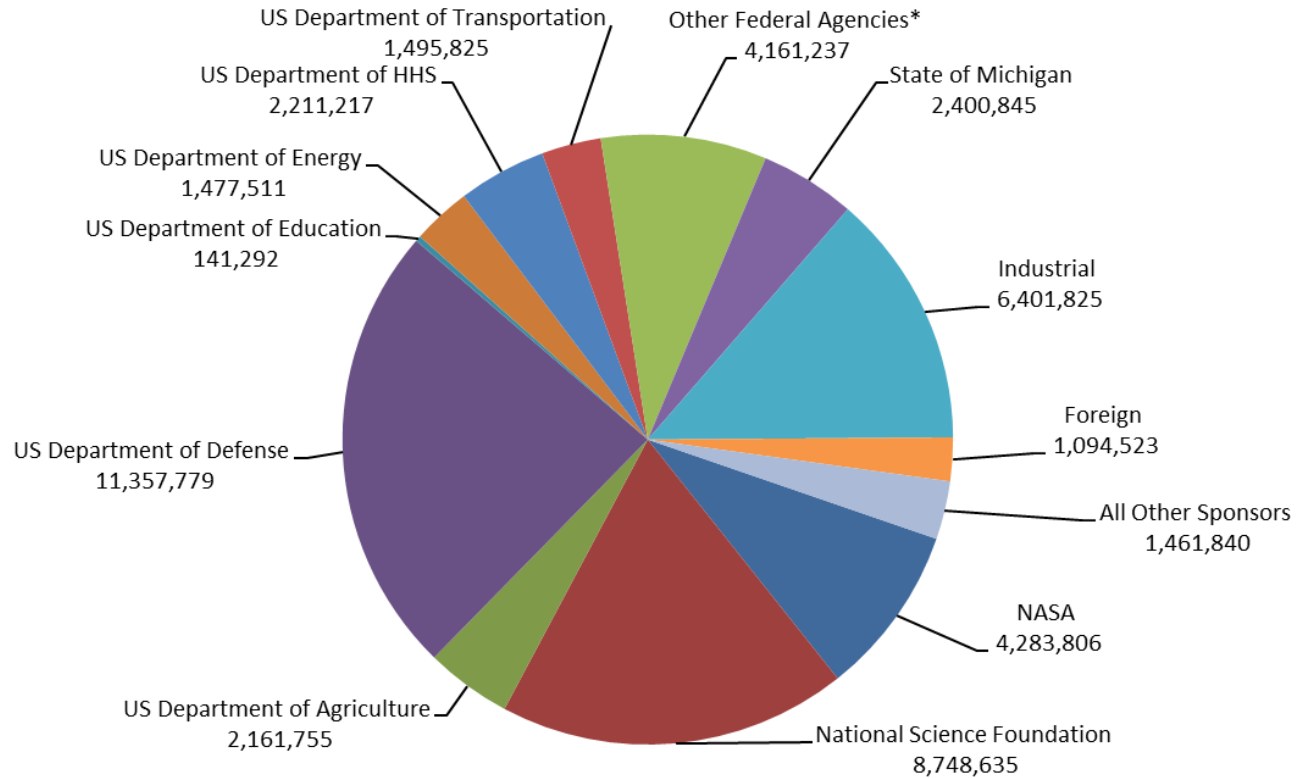


Sponsored Awards, Unaudited FY18

Sponsored Awards
 Fiscal Year 2018
 4th Quarter
 Ended June 30, 2018
 TOTAL: \$50,891,645

Pre-Proposals Submitted
 (excluded from Proposals
 Submitted figures below)

FYTD 2017: 56
 FYTD 2018: 52



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Sponsored Awards, Unaudited FY18

Sponsor	Proposals Submitted		Awards Received		Awards Received (\$)		Variance \$	Variance %
	FY '18 as of 6/30	FY '17 as of 6/30	FY '18 as of 6/30	FY '17 as of 6/30	FY '18 as of 6/30	FY '17 as of 6/30		
NASA	55	58	21	35	4,283,806	3,004,822	1,278,984	42.6%
National Science Foundation	178	168	54	60	8,748,635	11,268,683	-2,520,048	-22.4%
US Department of Agriculture	51	69	59	43	2,161,755	3,977,021	-1,815,266	-45.6%
US Department of Defense	109	90	89	100	11,357,779	12,680,388	-1,322,609	-10.4%
US Department of Education	3	2	2	3	141,292	382,898	-241,606	-63.1%
US Department of Energy	43	30	16	17	1,477,511	4,908,866	-3,431,355	-69.9%
US Department of HHS	57	47	10	10	2,211,217	1,703,759	507,458	29.8%
US Department of Transportation	14	15	9	22	1,495,825	3,264,556	-1,768,731	-54.2%
Other Federal Agencies*	45	52	35	35	4,161,237	2,722,642	1,438,595	52.8%
Federal Agency Total	555	531	295	325	36,039,057	43,913,635	-7,874,578	-17.9%
State of Michigan	47	31	30	20	2,400,845	1,770,981	629,914	35.6%
Industrial	168	200	148	190	6,401,825	7,068,997	-667,172	-9.4%
Foreign	30	17	20	17	1,094,523	1,184,275	-89,752	-7.6%
All Other Sponsors	82	93	43	40	1,461,840	1,570,066	-108,226	-6.9%
Subtotal	882	872	536	592	47,398,090	55,507,904	-8,109,814	-14.6%
Gifts**	N/A	N/A	281	305	3,468,475	4,179,577	-711,102	-17.0%
Crowd Funding	N/A	N/A	9	17	25,080	26,902	-1,822	-6.8%
Grand Total	882	872	826	914	50,891,645	59,714,383	-\$8,822,738	-14.8%

* US Dept of the Interior, US Dept of Housing and Urban Development, US Dept of Commerce, National Endowments for the Arts & Humanities, US Environmental Protection Agency, US Dept of Labor, US Small Business Administration, Office of the Director of National Intelligence

**Gifts represent non-contractual funding from corporations, foundations, associations and societies in support of academic programs, scholarships/fellowships, student design & enterprise, research, youth programs and special programs.



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Research Expenditures, Unaudited FY18

College/School/Division	Preliminary FY2018	Preliminary FY2017	Variance	%
Administration*	3,916,930	5,090,250	(1,173,320)	-23.1%
College of Engineering	30,848,486	25,217,506	5,630,980	22.3%
College of Science & Arts	17,149,933	16,643,420	506,513	3.0%
Great Lakes Research Center**	471,791	232,583	239,208	102.8%
Pavlis Honors College	385,246	298,791	86,455	28.9%
Keweenaw Research Center (KRC)	9,167,620	7,928,461	1,239,159	15.6%
Michigan Tech Research Institute (MTRI)	9,047,027	8,412,594	634,433	7.5%
School of Business & Economics	1,411,668	1,353,978	57,690	4.3%
School of Forest Resources & Environmental Science	5,787,261	5,894,354	(107,093)	-1.8%
School of Technology	492,455	557,241	(64,806)	-11.6%
Total	78,678,397	71,629,178	7,049,219	9.8%

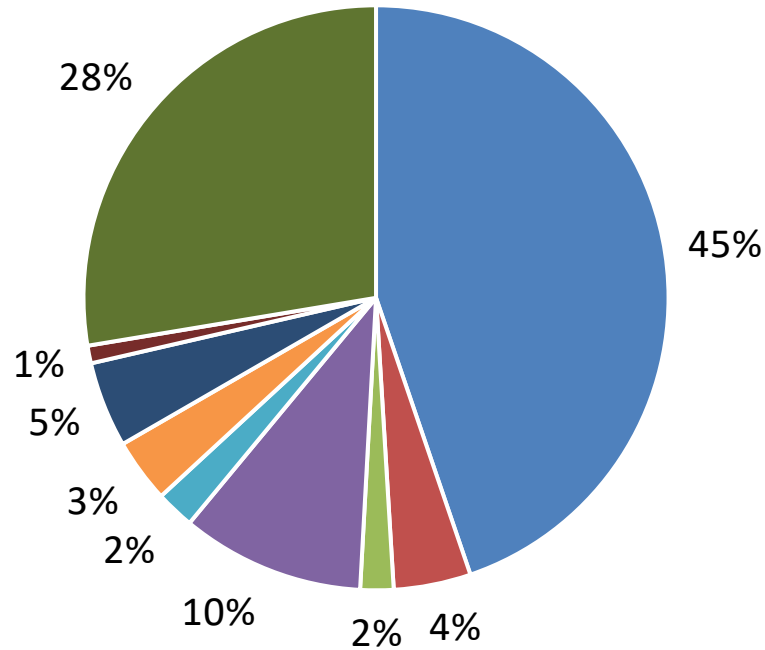
*Includes the Vice Presidents, Provost, and others who report to a VP, Provost or the President. Except for the research institutes that report to the VPR.

**Includes GLRC department (non-academic researchers) expenditures only. All other GLRC center expenditures are shown in the researchers' respective colleges.



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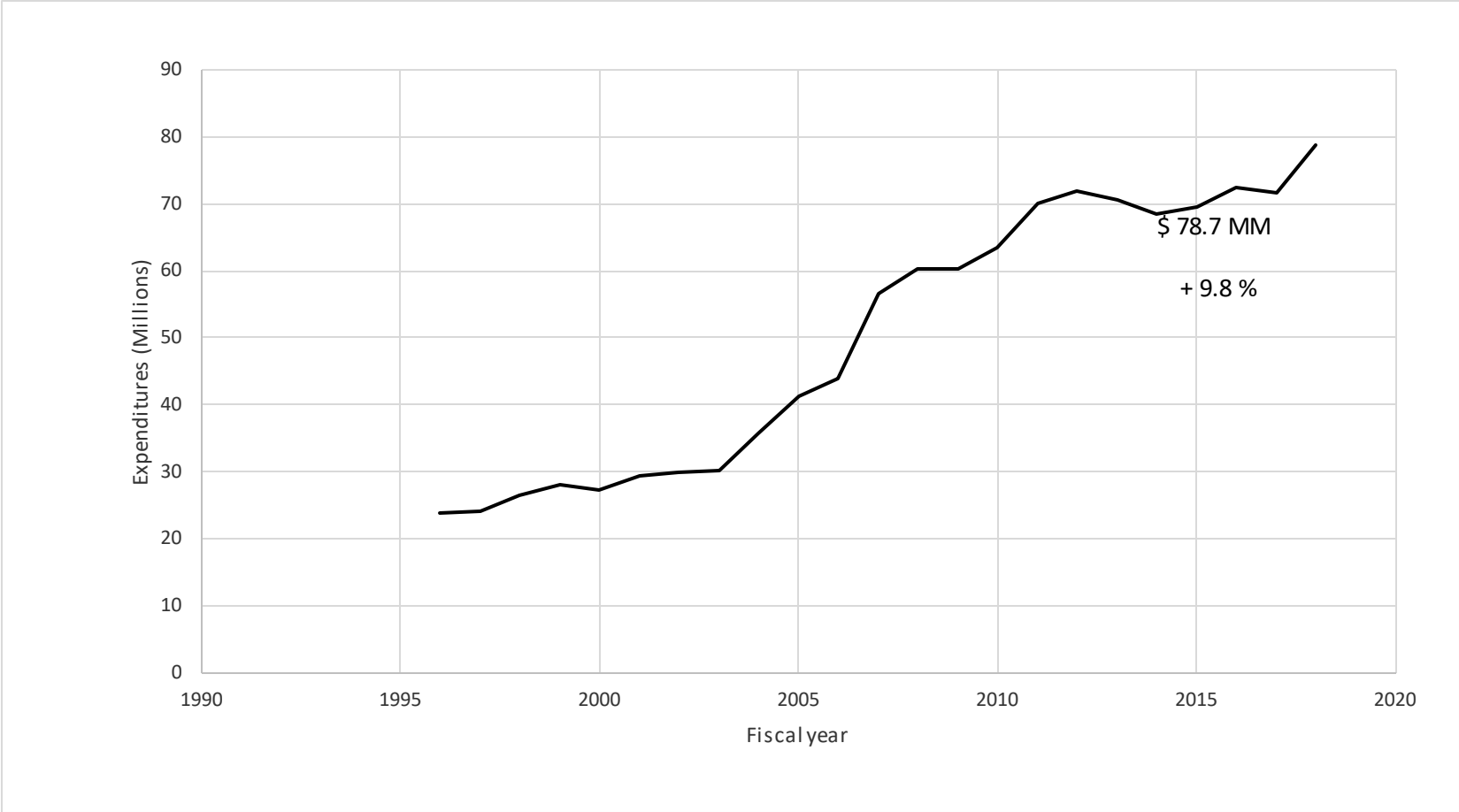
Research Expenditure Utilization



- Compensation
- Contracted Services
- Travel
- Tuition and Fees
- Internal Services
- Other
- Capital Expenditures
- Supplies and Materials
- F&A Reimbursement



Research Expenditures, Unaudited FY18



Sponsored Awards and Research Expenditures, FY13-18

FY	Awards	Expenditures
2013	48,003,542	70,689,000
2014	48,162,964	68,525,000
2015	58,680,019	69,607,000
2016	51,661,818	72,536,000
2017	59,714,383	71,629,000
2018	50,891,645	78,678,000
2019	?	?



Intellectual Property, Unaudited FY18

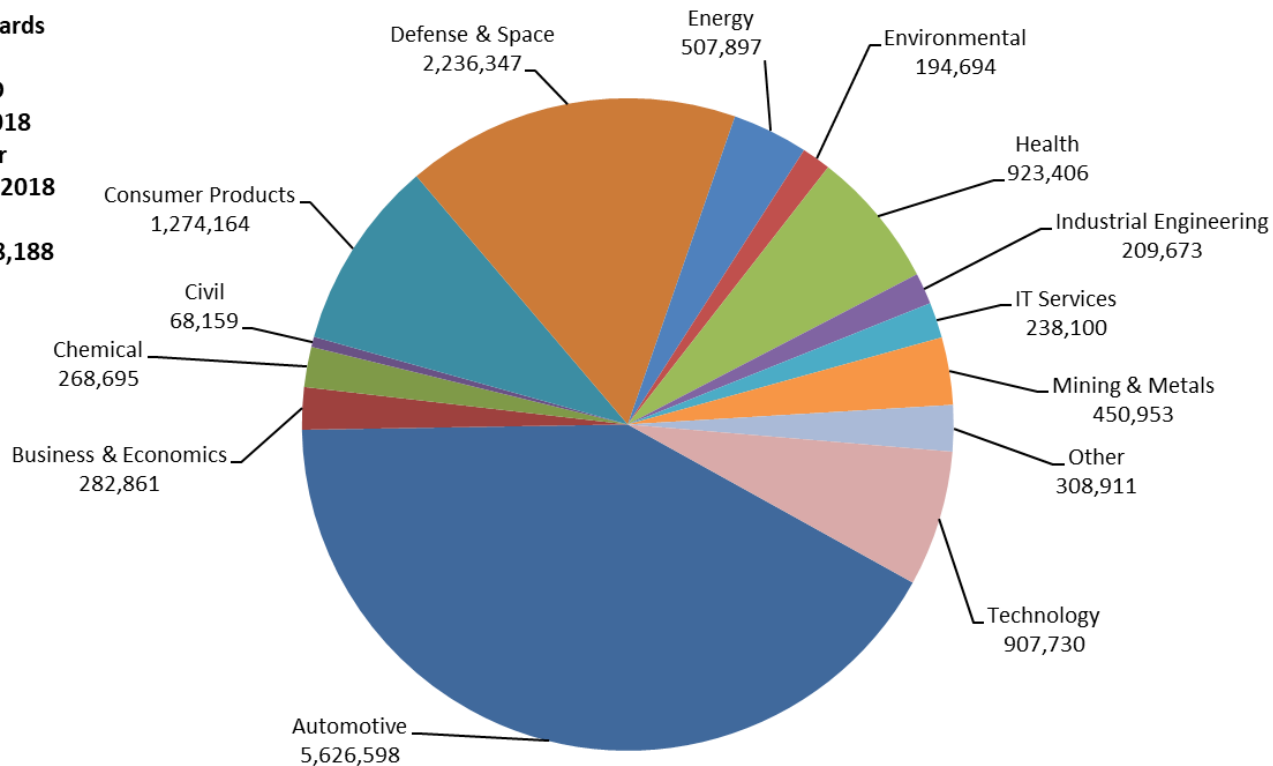
	2018	2017	+/- %
Disclosures Received	25	38	- 34 %
Nondisclosure Agreements	105	105	0 %
Patents Filed or Issued	27	17	59 %
License Agreements	14	18	- 22 %
Gross Royalties	354,545	326,169	9 %



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Corporate Sponsorship, Unaudited FY18

Sponsored Awards
-Industry-
COMBINED
Fiscal Year 2018
4th Quarter
Ended June 30, 2018
TOTAL: \$13,498,188



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Sponsored Awards – 1st Quarter FY19

Sponsor	Proposals Submitted		Awards Received		Awards Received (\$)		Variance \$	Variance %
	FY '19 as of 09/30	FY '18 as of 09/30	FY '19 as of 09/30	FY '18 as of 09/30	FY '19 as of 09/30	FY '18 as of 09/30		
NASA	12	4	30	9	3,657,650	1,865,823	1,791,827	96.0%
National Science Foundation	43	42	29	22	6,197,468	3,708,586	2,488,882	67.1%
US Department of Agriculture	16	9	25	15	761,633	905,923	-144,290	-15.9%
US Department of Defense	34	20	32	24	4,273,161	2,953,136	1,320,025	44.7%
US Department of Education	2	1	-	-	-	-	-	N/A
US Department of Energy	8	5	4	4	426,094	200,761	225,333	112.2%
US Department of HHS	3	2	2	4	814,721	883,318	-68,597	-7.8%
US Department of Transportation	7	5	2	2	47,999	62,411	-14,412	-23.1%
Other Federal Agencies*	9	14	17	10	1,926,660	1,431,445	495,215	34.6%
Federal Agency Total	134	102	141	90	18,105,386	12,011,403	6,093,983	50.7%
State of Michigan	10	11	9	6	609,081	540,581	68,500	12.7%
Industrial	80	72	46	34	1,470,245	553,553	916,692	165.6%
Foreign	5	8	5	4	116,287	375,290	-259,003	-69.0%
All Other Sponsors	22	24	18	20	333,410	481,582	-148,172	-30.8%
Subtotal	251	217	219	154	20,634,409	13,962,409	6,672,000	47.8%
Gifts**	N/A	N/A	47	72	543,230	889,828	-346,598	-39.0%
Crowd Funding	N/A	N/A	4	1	7,844	93	7,751	8234.4%
Grand Total	251	217	270	227	21,185,483	14,852,330	\$6,333,153	42.6%

* US Dept of the Interior, US Dept of Commerce, National Endowments for the Arts & Humanities, US Environmental Protection Agency, US Dept of Labor

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Research Expenditures – 1st Quarter FY19

College/School/Division	FY2019	FY2018	Variance	%
Administration*	1,734,428	1,459,336	275,092	18.9%
College of Engineering	6,427,621	6,008,224	419,397	7.0%
College of Science & Arts	2,854,628	3,285,365	(430,737)	-13.1%
Great Lakes Research Center**	87,840	52,536	35,304	67.2%
Pavlis Honors College	91,594	73,743	17,851	24.2%
Keweenaw Research Center (KRC)	1,723,948	1,907,754	(183,806)	-9.6%
Michigan Tech Research Institute (MTRI)	1,940,095	1,909,480	30,615	1.6%
School of Business & Economics	251,509	220,507	31,002	14.1%
School of Forest Resources & Environmental Science	1,157,429	1,163,564	(6,135)	-0.5%
School of Technology	167,019	151,079	15,940	10.6%
Total	16,436,111	16,231,588	204,523	1.3%

*Includes the Vice Presidents, Provost, and others who report to a VP, Provost or the President. Except for the research institutes that report to the VPR.

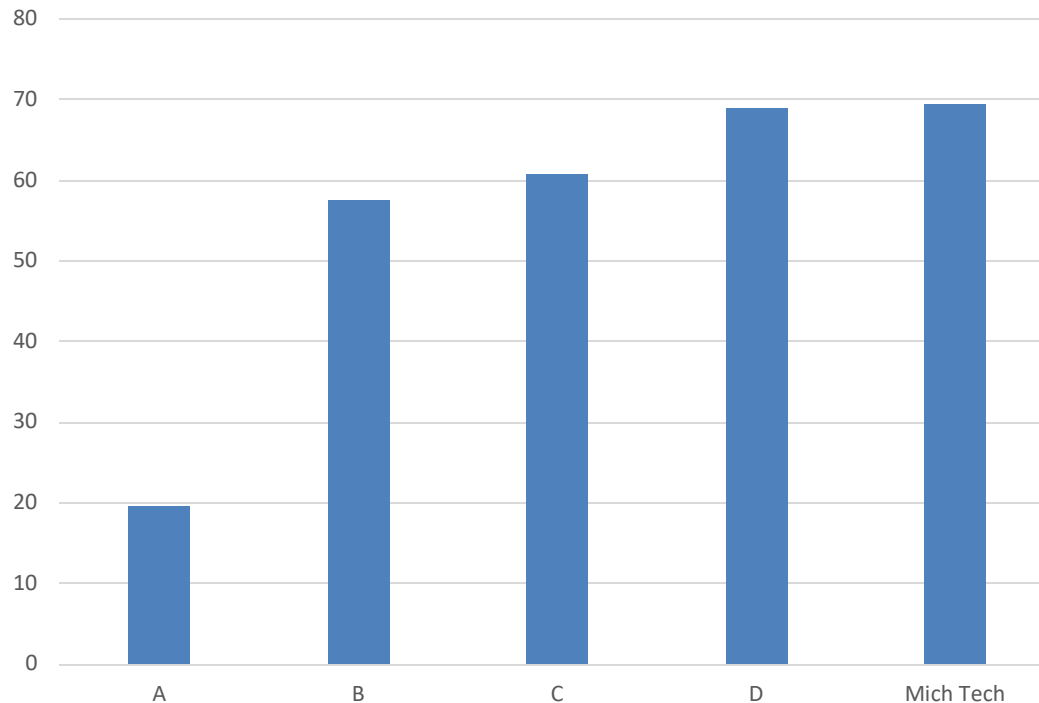
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Benchmarking

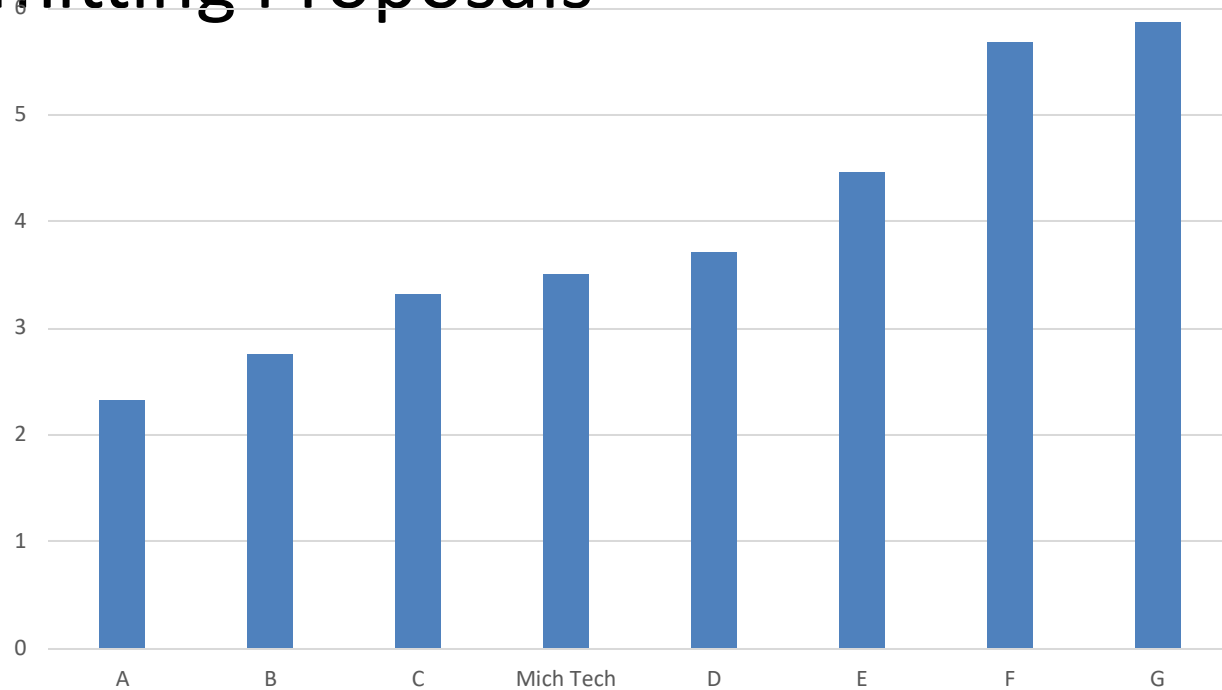
- Proportion of Faculty on Active Awards During FY17



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Benchmarking

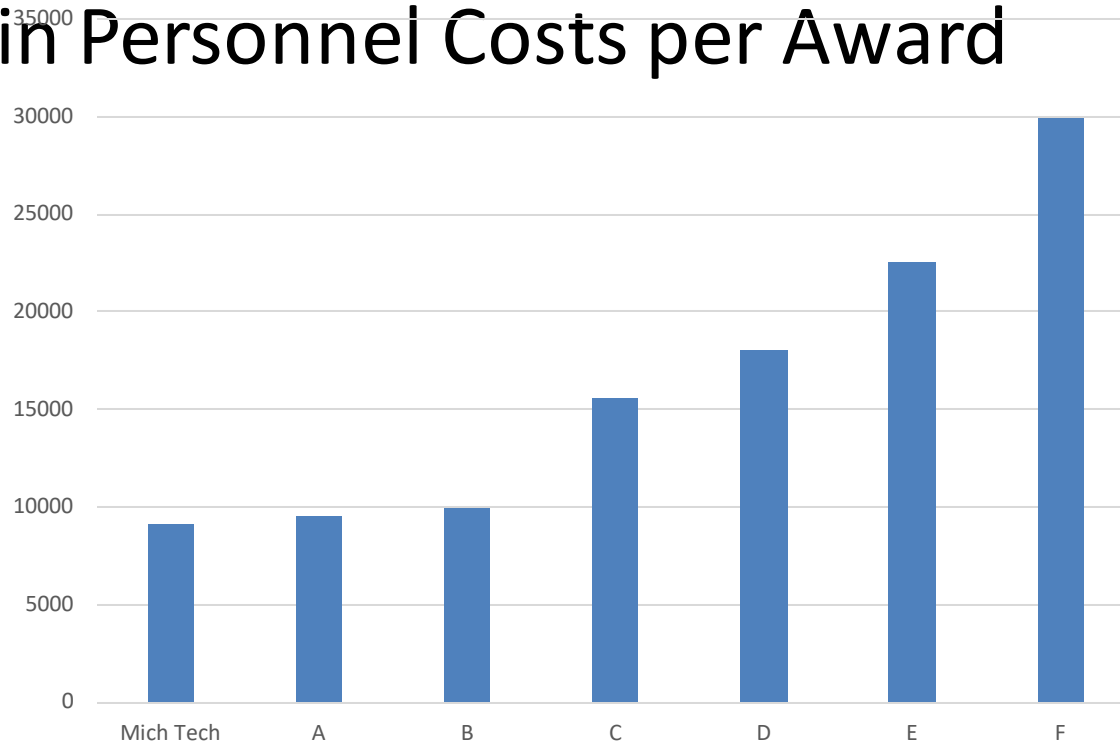
- Number of Submitted Proposals per Faculty Submitting Proposals



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Benchmarking

- \$ of Departmental and Central Research Admin Personnel Costs per Award



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