

# Sponsored Program Summary

## 3<sup>rd</sup> Quarter FY18

### May, 2018

David Reed

Vice President for Research



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# Outline

- Sponsored Awards, 3<sup>rd</sup> Quarter FY18
- Research Expenditures, 3<sup>rd</sup> Quarter FY18
- Intellectual Property/Commercialization, 3<sup>rd</sup> Quarter FY18
- Corporate Sponsorship, 3<sup>rd</sup> Quarter FY18
- Research Administrative Support



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# Sponsored Awards, 3<sup>rd</sup> Quarter FY18

Sponsor	Proposals Submitted		Awards Received		Awards Received (\$)		Variance \$	Variance %
	FY '18 as of 3/31	FY '17 as of 3/31	FY '18 as of 3/31	FY '17 as of 3/31	FY '18 as of 3/31	FY '17 as of 3/31		
NASA	44	47	19	19	4,155,923	1,519,130	2,636,793	173.6%
National Science Foundation	157	153	37	38	6,781,238	7,005,727	-224,489	-3.2%
US Department of Agriculture	39	57	42	29	1,523,412	2,780,051	-1,256,639	-45.2%
US Department of Defense	69	77	63	75	9,351,470	9,831,297	-479,827	-4.9%
US Department of Education	2	1	1	2	35,317	329,907	-294,590	-89.3%
US Department of Energy	29	23	12	14	1,016,626	4,791,366	-3,774,740	-78.8%
US Department of HHS	29	32	7	9	1,585,333	1,685,759	-100,426	-6.0%
US Department of Transportation	8	12	9	17	1,495,825	2,856,231	-1,360,406	-47.6%
Other Federal Agencies*	31	34	28	26	2,984,492	1,753,309	1,249,183	72.0%
Federal Agency Total	408	436	218	229	28,929,636	32,534,777	-3,605,141	-11.1%
State of Michigan	35	21	22	11	2,046,748	754,878	1,291,870	171.1%
Industrial	142	167	125	154	5,721,452	6,176,321	-454,869	-7.4%
Foreign	25	13	20	13	1,286,939	1,097,578	189,361	17.3%
All Other Sponsors	52	69	30	26	1,212,847	1,193,959	18,888	1.6%
Subtotal	662	706	415	433	39,197,622	41,757,513	-2,559,891	-6.1%
Gifts**	N/A	N/A	215	231	2,236,618	2,366,672	-130,054	-5.5%
Crowd Funding	N/A	N/A	3	10	13,011	13,001	10	0.1%
Grand Total	662	706	633	674	41,447,251	44,137,186	-\$2,689,935	-6.1%

\* 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, 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, 3<sup>rd</sup> Quarter FY18

<b>College/School/Division</b>	<b>FY2018</b>	<b>FY2017</b>	<b>Variance</b>	<b>%</b>
Administration*	2,858,818	2,819,246	39,572	1.4%
College of Engineering	21,955,410	17,796,598	4,158,812	23.4%
College of Science & Arts	12,783,742	12,507,981	275,761	2.2%
Great Lakes Research Center**	256,473	108,305	148,168	136.8%
Pavlis Honors College	194,377	215,057	(20,680)	-9.6%
Keweenaw Research Center (KRC)	6,552,805	5,251,037	1,301,768	24.8%
Michigan Tech Research Institute (MTRI)	6,296,773	6,089,643	207,130	3.4%
School of Business & Economics	1,176,417	1,136,021	40,396	3.6%
School of Forest Resources & Environmental Science	4,139,788	4,293,538	(153,750)	-3.6%
School of Technology	373,177	419,228	(46,051)	-11.0%
<b>Total</b>	<b>56,587,780</b>	<b>50,636,654</b>	<b>5,951,126</b>	<b>11.8%</b>

\*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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# Intellectual Property, 3<sup>rd</sup> Quarter FY18

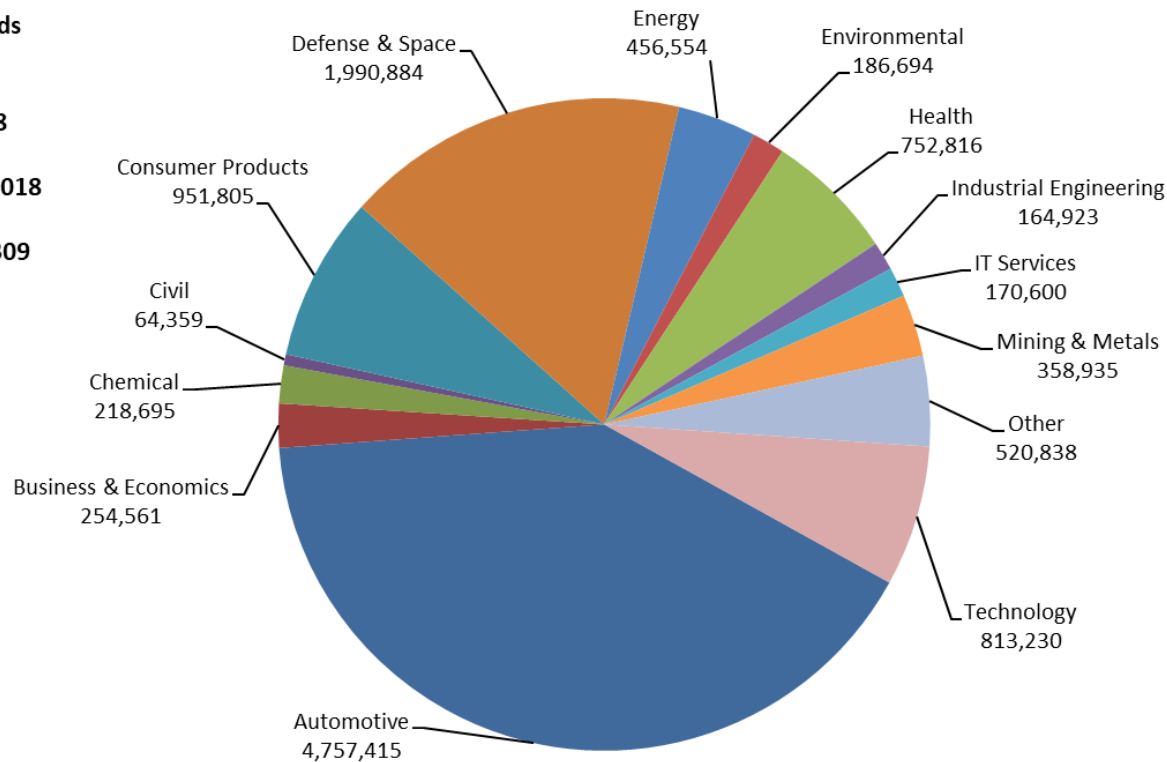
	2018	2017	+/- %
Disclosures Received	18	22	- 18 %
Nondisclosure Agreements	76	75	1 %
Patents Filed or Issued	18	13	38 %
License Agreements	10	15	- 33 %
Gross Royalties	346,860	311,184	12 %



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# Corporate Sponsorship, 3<sup>rd</sup> Quarter FY18

**Sponsored Awards  
-Industry-  
COMBINED  
Fiscal Year 2018  
3rd Quarter  
Ended March 31, 2018  
TOTAL: \$11,662,309**



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# Administrative Support for Research

- Internal Information from Faculty
- External Benchmarking
- Both use information from the:



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# Administrative Support for Research

	Michigan Tech (n=37)	Res High < \$80 MM	National
Proposal Prep	15%	16%	15%
Pre-Award	4%	5%	7%
Post-Award	20%	17%	14%
Reporting	11%	9%	7%
Total	50%	48%	42%



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# Administrative Support for Research

- There were 8 universities that were High Research with < \$80 million annual expenditures. Among them:
  - Our respondents spent less time than others on proposal preparation and pre-award responsibilities and **more effort on post-award responsibilities and report preparation.**
  - The percent of effort spent on finances were lower for our respondents than others, but was still considered a substantial burden.
  - **Variability in our responses was higher than for other institutions.**
  - Our respondents reported they **need roughly 4.5 hours per week more administrative support than they currently receive.**
  - 69% of our respondents indicated substantial burden with finances and 70% indicated substantial burden with personnel.



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# Administrative Support for Research

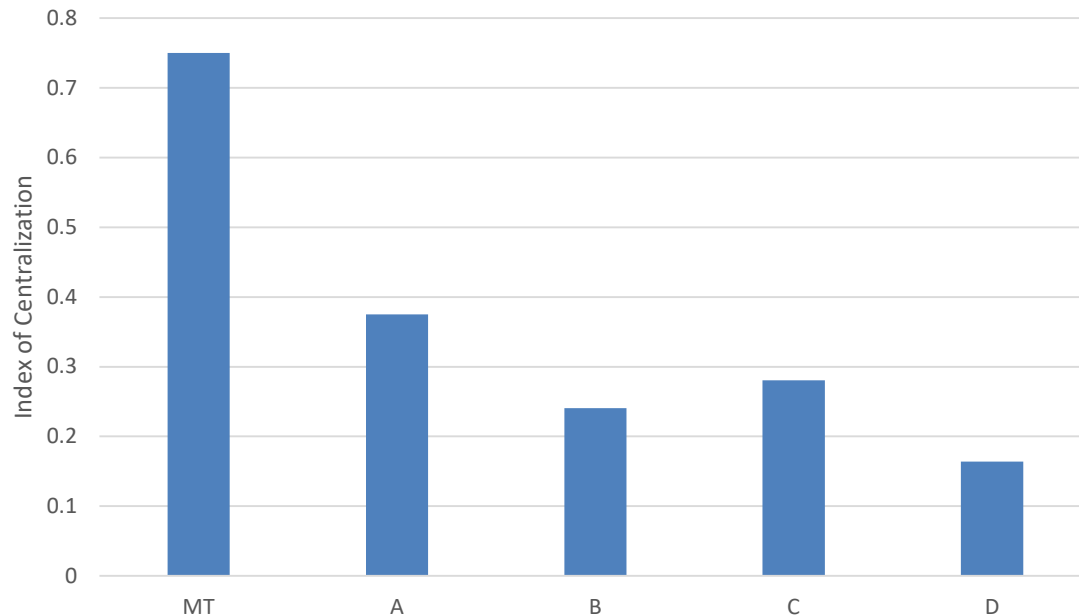
- FACT – An FDP initiative to develop quantitative metrics across institutions:
  - College of Charleston
  - Duke
  - Michigan State University
  - Michigan Tech
  - Northeastern
  - University of Arkansas – Medical Sciences
  - University of North Carolina – Chapel Hill
  - University of Texas – Austin
  - University of Washington



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# Administrative Support for Research

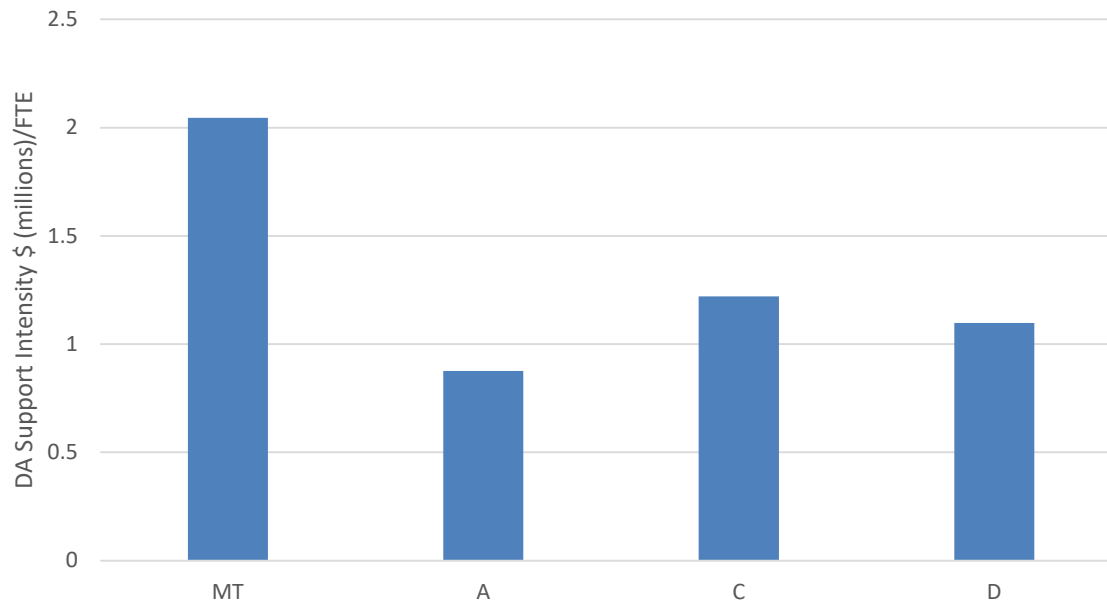
Michigan Tech research administrative support costs are more centralized than other institutions:



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# Administrative Support for Research

- Michigan Tech's departmental administrative staff are supporting about twice as much in research expenditures as departmental staff at other institutions.



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# Administrative Support for Research

- Our faculty reported greater administrative burden than faculty nationally or at similar sized institutions for post-award administration and reporting.
- Our faculty reported a need for an average 4.5 hours more administrative support per week.
- We reported a much greater level of centralization of support than the group of other institutions, with a much lower level of departmental research administrative support than in the other institutions.
- This will require collective effort to address, involving process improvement, moving to electronic processes, and greater coordination.



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