

Sponsored Program Summary
1st Qtr. FY15 Activities
December, 2014

Dave Reed
Vice President for Research

Michigan Tech

Outline

- Sponsored Awards, 1st Qtr FY15
- Research Expenditures, 1st Qtr FY15
- Intellectual Property/Commercialization, 1st Qtr FY15
- Corporate Sponsorship, 1st Qtr FY15
- SmartZone Update [Marilyn Clark]

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Sponsored Awards, 1st Qtr FY15

Sponsor	Proposals Submitted		Awards Received		Awards Received (\$)		Variance \$	Variance %
	FY '15	FY '14	FY '15	FY '14	FY '15	FY '14		
	as of 9/30	as of 9/30	as of 9/30	as of 9/30	as of 9/30	as of 9/30		
NASA	7	10	12	8	1,116,559	354,993	761,566	214.5%
National Science Foundation	49	48	36	32	7,117,138	5,465,393	1,651,745	30.2%
US Department of Agriculture	31	36	34	35	1,151,674	894,102	257,572	28.8%
US Department of Defense	11	14	17	19	4,632,997	2,310,912	2,322,085	100.5%
US Department of Education	-	-	-	-	-	-	-	0.0%
US Department of Energy	5	7	5	6	458,214	370,943	87,271	23.5%
US Department of HHS	1	1	7	4	997,712	593,292	404,420	68.2%
US Department of Transportation	7	7	3	7	178,225	617,675	-439,450	-71.1%
Other Federal Agencies*	8	6	8	10	484,997	496,761	-11,764	-2.4%
Federal Agency Total	119	129	122	121	16,137,516	11,104,071	5,033,445	45.3%
State of Michigan	13	9	12	5	1,475,485	663,504	811,981	122.4%
Industrial	61	81	29	51	2,846,677	1,045,020	1,801,657	172.4%
Foreign	4	1	3	2	161,719	163,000	-1,281	-0.8%
All Other Sponsors	20	18	11	19	230,575	534,302	-303,727	-56.8%
Subtotal	217	238	177	198	20,851,972	13,509,897	7,342,075	54.3%
Gifts**	-	-	67	71	414,161	589,133	-174,972	-29.7%
Crowd Funding	-	-	9	-	3,625	12,595	-8,970	-71.2%
Grand Total	217	238	253	269	\$21,269,758	\$14,111,625	\$7,158,133	50.7%

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Research Expenditures, 1st Qtr FY15

College/School/Division	FY2015	FY2014	Variance	%
Administration*	2,100,607	2,248,316	(147,709)	-6.6%
College of Engineering	5,099,539	5,234,727	(135,188)	-2.6%
College of Science & Arts	2,611,090	2,284,916	326,174	14.3%
Pavlis Honors College	41,897	73,210	(31,313)	-42.8%
Keweenaw Research Center (KRC)	1,171,255	1,815,249	(643,994)	-35.5%
Michigan Tech Research Institute (MTRI)	1,992,180	2,280,283	(288,103)	-12.6%
School of Business & Economics	183,348	155,382	27,966	18.0%
School of Forest Resources & Environmental Science	1,116,000	1,317,231	(201,231)	-15.3%
School of Technology	95,095	121,242	(26,147)	-21.6%
Total	14,411,011	15,530,556	(1,119,545)	-7.2%

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Intellectual Property, 1st Qtr FY15

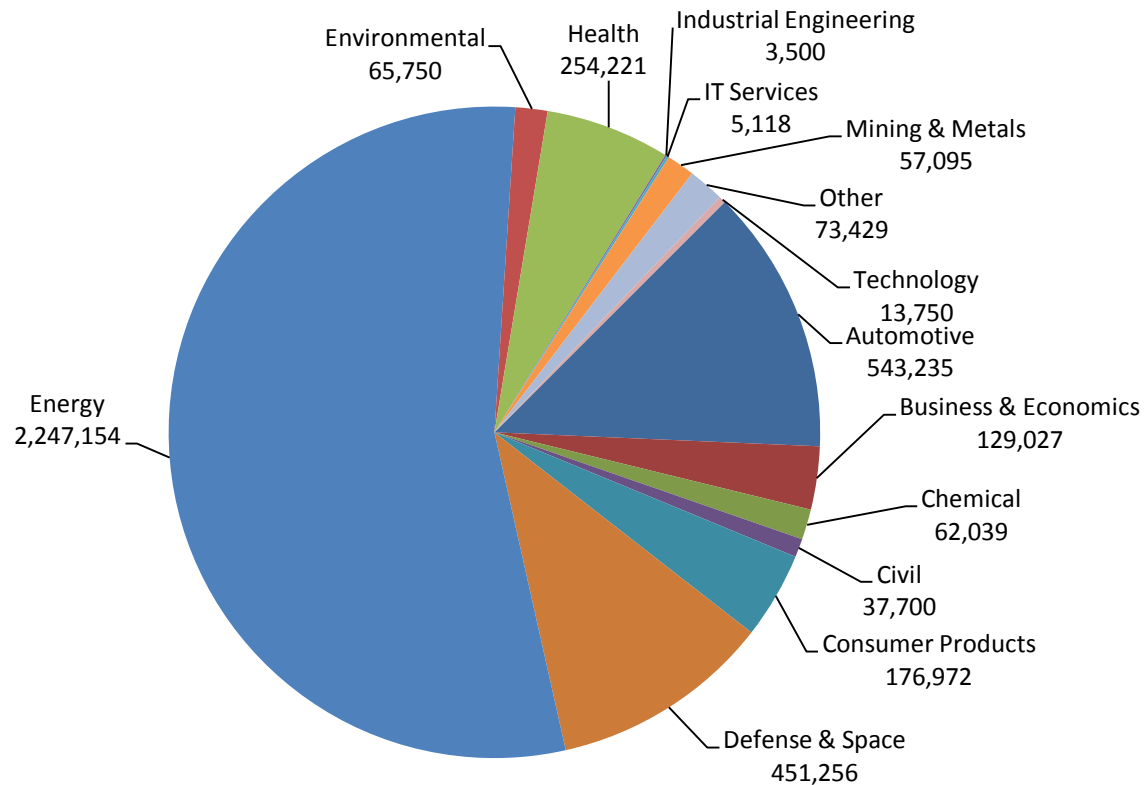
		FY15	FY14	
Disclosures Received ²		8	14	-43%
Nondisclosure Agreements		30	25	20%
Patents Filed or Issued ²		2	7	-71%
License Agreements		2	4	-50%
Gross Royalties		\$ 88,874	\$ 90,899	- 2%

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1st Qtr FY15 Corporate Sponsorship

Sponsored Awards
-Industry-
COMBINED
Fiscal Year 2015
1st Quarter
Ended September 30,
2014

TOTAL: \$4,120,246



MTEC SmartZone Update

Michigan Tech

MTEC SmartZone 2013-14 Successes

Created 100 Jobs!


Three grants supported programs to create jobs:

1. Commercialization Grant \$750,000 over three years
2. First Customer Grant \$387,000 over two years
3. EcoSystem Grant \$702,000 over three years

Invested \$300,000 in the professional assessment of technologies in the community and Michigan Technological University

Matched 3 CEOs to grow technologies of two Michigan Tech professors and one PhD graduate

Fail early

SMART  START

62 Ideas → 21 companies created

 GREEN FORCES
PROVEN COMPANIES. INNOVATIVE SOLUTIONS.

Coalition of 8 local Stage 2 companies
Currently one signed contract, 8 RFPs
and 3 waiting to be awarded, effecting
4 local companies

MTEC Smart Zone Creating a Satellite in Marquette

Marilyn Clark, CEO

Innovation Shore - Mission *(draft)*

To build collaborative relationships with industry leaders, capital networks and universities that accelerate technology clusters and entrepreneurship — thus growing product and process innovations that generate jobs and community prosperity and competitiveness.

- Marquette to provide MTEC SmartZone and Michigan Tech start-up companies with mentors and funding
- Marquette start-ups can access researchers, technologies and talent at Michigan Tech
- The development of the U.P. Angel Network – keeping up with other communities
- Extending MTEC SmartZone (Houghton) funding 15 years – 2032
- Develop Regional Clusters – companies in similar industries that synergize business opportunities



ENERGIZING HIGH-TECH BUSINESS GROWTH

Innovation Shore



Clusters:

Life Sciences

IT, Tech, Social Media

Energy

Green Energy

How:

Innovation Projects, Knowledge Products, Services

Desired
Outcomes:

- Increased R&D investments
- More industry leaders
- Higher rates of commercialization of intellectual property
- Improved competitiveness
- Increased regional prosperity



ENERGIZING HIGH-TECH BUSINESS GROWTH

Michigan Tech