CAMPUS FORUM

February 18, 2016
Vision

Michigan Tech will lead as a global technological university that

• inspires students,
• advances knowledge, and
• innovates

to create a sustainable, just, and prosperous world.
Mission

We deliver action-based undergraduate and graduate education and discover new knowledge through research and innovation. We create solutions for society’s challenges through interdisciplinary education, research, and engagement to advance sustainable economic prosperity, health and safety, ethical conduct, and responsible use of resources. We attract exceptional students, faculty, and staff who understand, develop, apply, manage, and communicate science, engineering, technology, and business to attain the goal of a sustainable, just, and prosperous world. Our success is measured by accomplishments and reputation of our graduates, national and international impact of our research and scholarly activities, and investment in our University.
Strategic Plan

• Approved by Board of Control on May 1, 2015

✓ Major Goals
  ➢ People
  ➢ Distinctive Education and Rigorous-based Learning Experience
  ➢ Research/Scholarship/Creativity/Entrepreneurship/
    Innovation/Creative Work

• http://www.mtu.edu/stratplan/
BUDGET and FINANCE
Balance Sheet
Condensed Statement of Net Position
as of December 31, 2015
(in thousands)

<table>
<thead>
<tr>
<th>ASSETS</th>
<th>University</th>
<th>Tech Fund</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Assets</td>
<td>$ 92,038</td>
<td>$ 11,514</td>
<td>$ 103,552</td>
</tr>
<tr>
<td>Noncurrent Assets:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capital Assets, net</td>
<td>235,114</td>
<td></td>
<td>235,114</td>
</tr>
<tr>
<td>Other Noncurrent Assets</td>
<td>72,102</td>
<td>122,588</td>
<td>194,690</td>
</tr>
<tr>
<td>TOTAL ASSETS</td>
<td>$ 399,254</td>
<td>$ 134,102</td>
<td>$ 533,356</td>
</tr>
</tbody>
</table>

| DEFERRED OUTFLOWS OF RESOURCES              |            |           |         |
| Deferred Pension Amounts                    | $ 3,794    |           | $ 3,794 |
| TOTAL DEFERRED OUTFLOWS OF RESOURCES        | $ 3,794    |           | $ 3,794 |

| LIABILITIES                                 |            |           |         |
| Current Liabilities                         | $ 92,505   | $ 532     | $ 93,037 |
| Noncurrent Liabilities                      | 148,499    | 4,898     | 153,397 |
| TOTAL LIABILITIES                           | $ 241,004  | $ 5,430   | $ 246,434 |

| DEFERRED INFLOWS OF RESOURCES               |            |           |         |
| Deferred Pension Amounts                    | $ 3,480    |           | $ 3,480 |
| TOTAL DEFERRED INFLOWS OF RESOURCES         | $ 3,480    |           | $ 3,480 |

| NET POSITION                                |            |           |         |
| Investments in capital assets, net of related debt | $ 156,981  | $ -       | $ 156,981 |
| Other net position, restricted and unrestricted | 1,583      | 128,672   | 130,255 |
| TOTAL NET POSITION                          | $ 158,564  | $ 128,672 | $ 287,236 |

Michigan Tech
Create the Future
**FY2016 Current Funds**  
**Projected Revenues, Expenses & Change in Net Assets**  
*(in thousands)*

<table>
<thead>
<tr>
<th></th>
<th>Original Projection</th>
<th>2nd Quarter Projection</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>REVENUES</strong></td>
<td>$ 280,519</td>
<td>$ 276,878</td>
</tr>
<tr>
<td><strong>EXPENSES</strong></td>
<td>$ (280,105)</td>
<td>$ (276,369)</td>
</tr>
<tr>
<td><strong>CHANGE IN NET ASSETS</strong></td>
<td>$ 414</td>
<td>$ 509</td>
</tr>
</tbody>
</table>

*Note: Current Fund includes General, Designated, Auxiliary, Retirement and Insurance, and Expendable Restricted Funds.*
Sources of Available Cash & Operating Investments
December 31, 2015

- **Cash & Cash Equivalents**: $49,256,659
- **Operating Investments**: $26,374,365
- **Line of Credit**: $20,000,000
GASB 68 and Its Impact

- In FY15, Government Accounting Standards Board Pronouncement 68 requires unfunded retirement liability to be reflected on the organization's balance sheet.

- For Michigan Tech, this required a $36.2 million liability to be reflected in the R&I Fund in FY15.

- In FY16, the State of Michigan Office of Retirement Services determined Michigan Tech had overpaid its unfunded pension liability since 1996 and refunded $11.8 million of overpayment [plus accumulated interest].

- In FY16, this is reflected as an $11.8 million increase in cash [investments] and an adjustment in the pension liability to $48 million.
Investments and MPSERS Refund

- As noted earlier, in FY16 Michigan Tech was refunded $11.8 million of past MPSERS payments [plus accumulated interest].

- The refunded payment is considered part of the university’s assets that offset long-term liabilities.

- The refunded payment is combined with the university's other invested assets that offset long-term liabilities, resulting in a total of approximately $25.5 million in investments.

- After development of university investment, liquidity, and debt guidelines in FY15 and FY16, the university's investment funds are allocated 33% in fixed income investments [approximately $8.5 million] which are held in the General Fund and 67% in equities [approximately $17 million] held in the R&I fund.

- In FY17, for the first time, expected income from the fixed income investments held in the General Fund will be considered to be available revenue for budget purposes.
<table>
<thead>
<tr>
<th>Description</th>
<th>General Fund</th>
<th>Designated Fund</th>
<th>Auxiliary Fund</th>
<th>R&amp;l Fund</th>
<th>Expendable Restricted Fund</th>
<th>TOTAL CURRENT FUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance as of June 30, 2015</td>
<td>$ (10,668)</td>
<td>$ 17,617</td>
<td>$ 8,482</td>
<td>$ (35,996)</td>
<td>$ 4,086</td>
<td>$ (16,479)</td>
</tr>
<tr>
<td>Reallocate Fixed Income Investments</td>
<td>$ 8,500</td>
<td></td>
<td>$ (8,500)</td>
<td></td>
<td></td>
<td>$</td>
</tr>
<tr>
<td>Revised Balance</td>
<td>$ (2,168)</td>
<td>$ 17,617</td>
<td>$ 8,482</td>
<td>$ (44,496)</td>
<td>$ 4,086</td>
<td>$ (16,479)</td>
</tr>
</tbody>
</table>
## CURRENT FUND BALANCE

### Fiscal Year 2013-2016

*(in thousands)*

<table>
<thead>
<tr>
<th>Fund</th>
<th>06/30/12</th>
<th>06/30/13</th>
<th>06/30/14</th>
<th>06/30/15</th>
<th>6/30/2016</th>
<th>2nd Qtr Projection</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Fund</td>
<td>$(12,602)</td>
<td>$(12,432)</td>
<td>$(11,554)</td>
<td>$(10,668)</td>
<td>$(710)</td>
<td></td>
</tr>
<tr>
<td>Designated Fund</td>
<td>15,816</td>
<td>16,032</td>
<td>17,208</td>
<td>17,617</td>
<td>17,760</td>
<td></td>
</tr>
<tr>
<td>Auxiliary Fund</td>
<td>9,235</td>
<td>9,599</td>
<td>7,889</td>
<td>8,482</td>
<td>8,149</td>
<td></td>
</tr>
<tr>
<td>Retirement &amp; Insurance Fund</td>
<td>(3,552)</td>
<td>(2,591)</td>
<td>(274)</td>
<td>(35,995)</td>
<td>(44,716)</td>
<td></td>
</tr>
<tr>
<td>Expendable Restricted</td>
<td>3,591</td>
<td>2,587</td>
<td>3,852</td>
<td>4,086</td>
<td>3,549</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CURRENT BALANCE</strong></td>
<td><strong>$12,488</strong></td>
<td><strong>$13,195</strong></td>
<td><strong>$17,121</strong></td>
<td><strong>$(16,478)</strong></td>
<td><strong>$(15,968)</strong></td>
<td></td>
</tr>
</tbody>
</table>
Budget Initiatives/Parameters FY17

• Increase in State Funding
  • Investment Income

• Gift Income/Advancement Budget

• Enrollment Growth 120 Students

• Maintenance Budget Increment

• Increase in Health Insurance and Rx Costs
  • Annual Compensation Increase

• Academic/Administrative Strategic Initiatives
Governor’s Proposed 2017 Budget

Michigan Tech:

4.3% increase = $2.1M

Limit Tuition Increases to 4.8% or less

MPSERS Funding Legislation
## Fall 2016 Graduate Applications

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total applications</td>
<td>3,842</td>
<td>3,841</td>
<td>-1</td>
</tr>
<tr>
<td>Admits</td>
<td>536</td>
<td>591</td>
<td>55/10%</td>
</tr>
</tbody>
</table>

Feb. 6, 2016
## Fall 2016 Undergraduate Applications

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total applications</td>
<td>5,467</td>
<td>5,647</td>
<td>+180/3%</td>
</tr>
<tr>
<td>Accepts</td>
<td>3,966</td>
<td>4,193</td>
<td>+277/6%</td>
</tr>
<tr>
<td>Deposits</td>
<td>889</td>
<td>972</td>
<td>+83/9%</td>
</tr>
</tbody>
</table>

Feb. 6, 2016
Advancement

- 2015 Goal - $32.5M; Raised $33.7M
- 2016 Goal - $32.5M
Michigan Technological University  
Michigan Tech Fund  
Goals Summary Chart  
July 1, 2015 through January 31, 2016  
(In millions)

<table>
<thead>
<tr>
<th></th>
<th>FY16 Goal</th>
<th>Actual</th>
<th>% Realized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Gifts</td>
<td>$5.50</td>
<td>$7.33</td>
<td>133%</td>
</tr>
<tr>
<td>Planned Gifts</td>
<td>10.00</td>
<td>10.79</td>
<td>108%</td>
</tr>
<tr>
<td>Annual Giving</td>
<td>2.50</td>
<td>2.00</td>
<td>80%</td>
</tr>
<tr>
<td>Corp Sponsored Research</td>
<td>9.00</td>
<td>5.64</td>
<td>63%</td>
</tr>
<tr>
<td>Corporations</td>
<td>2.00</td>
<td>0.99</td>
<td>49%</td>
</tr>
<tr>
<td>Foundations &amp; Other</td>
<td>3.00</td>
<td>2.20</td>
<td>73%</td>
</tr>
<tr>
<td>Gifts-in-kind</td>
<td>0.50</td>
<td>0.69</td>
<td>138%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$32.50</strong></td>
<td><strong>$29.65</strong></td>
<td><strong>91%</strong></td>
</tr>
</tbody>
</table>
Michigan Tech Fund
Planned Giving Registry ($152,329,600.83) - Actuarial Expectancy by Years
January 31, 2016
Strategic Plan

• Approved by Board of Control on May 1, 2015

✔ Goal 1
  ➢ People
Athletic Success

- **Hockey**: Currently in 2nd in WCHA standings; 16-7-5 overall record; Undefeated since start of 2016 (5-0-3);
- **Desert Hockey Classic**: Hockey Huskies beat UConn and won a shootout over Yale to win the title in Glendale, Ariz.
- **Fall Sports**: Combined 38-29-2 record with two postseason berths (Soccer and Volleyball)
- **Nordic Skiing**: Hosted 2016 U.S. Nationals; Men’s team skier Didrik Elset finished on the podium (Tech’s first ever)
- **Women’s Basketball**: 16-7 record; Leading GLIAC North; Has secured the program’s 28th straight winning season
Academic Success

• Student-Athletes: 3.22 GPA; General Student Body: 3.05 GPA
• Student-Athlete Graduation Rate: 86%
• 122 Fall and Winter Sports Student-Athletes Named to GLIAC All-Academic Teams
• 11 WCHA All-Academic Team members
• Brett Gervais, Football: McFarland Award (Top college football scholar-athlete in Michigan); Academic All-America
• Ryan VanGoethem, Football: Academic All-America
• Kyle Stankowski, Men's Basketball: Academic All-District
2016 SPRING ENROLLMENT

Headcount  2.2% (146 students)

Undergraduate  15% (80 students)

Graduate  4.8% (66 students)
Spring 2016 Career Fair

227 Recruiting Organizations
700+ Recruiters
University Diversity Council

• Jill Hodges, Council Chair
  — Institutional Equity and Inclusion
• John Lehman
  — Enrollment, Marketing and Communication
• Elizabeth Reed
  — Mathematical Sciences
• Kellie Raffaelli
  — Center for Diversity and Inclusion
• Terry Sharik
  — School of Forest Resources and Environmental Science
• Brent Burns
  — Corporate Partnerships
• Lorelle Meadows
  — Pavlis Honors College
• Adrienne Minerick
  — College of Engineering
• Brigitte Morn
  — Biological Sciences
• Faith Morrison
  — Chemical Engineering
• Susan Sullivan
  — Institutional Equity and Inclusion
• Logan McMillan
  — student
• Ida Fonkoue
  — graduate student
Charge for Diversity Council

• In collaboration with responsible units,
  – develop hiring and enrollment goals for campus wide diversity which incorporate faculty, staff and students
  – develop a plan for monitoring and reporting on the progress of various diversity-related initiatives that are intended to meet Strategic Plan goals
  – develop a plan to collect information on diversity related initiatives and publish an annual report
    • Provide information on a regular basis to President and Provost
    • Publish information on a regular basis to campus community

• Make recommendations for increasing impact (e.g., training, best practices, resource allocation, criteria and priorities for funding)
• In collaboration with responsible units, develop a plan to identify best practices
Climate Study

Jill Hodges, Co-Chair
Beth Lunde, Co-Chair
Adrienne Minerick
John Lehman
Kellie Raffaelli
Nancy Barr
Pushpalatha Murthy
Radheshyam Tewari
Theresa Coleman-Kaiser
Yu Cai
Lori Weir
Brenda Anttila
Alexa Thompson
Ameya Narkar
University Wide Climate Survey

• Climate Survey assists us in improving the environment for learning and working on campus for all members of our community.

• Previous studies in 2005 and 2010

• Currently in the process of designing survey
Federal Mediation and Conciliation Service (FMCS)
Labor-Management Mentoring Program

- FMCS awarded Michigan Tech a $22,750 grant, October 2015
- To develop a formal staff mentoring program between labor and management
Labor and Management Mentoring Programming Committee Members

- Ann Kitalong-Will (Principal Investigator/Business Operations)
- Catherine Burns (Human Resources)
- Amanda Cadwell (UAW President | Civil & Environmental Engineering)
- Reid Devoge (POA | Public Safety & Police Services)
- Travis Pihlaja (AFSCME | Facilities Management)
- Madeline Mercado Voelker (Human Resources)
Labor-Management Mentoring Programming Committee is currently seeking applicants to be trained as staff mentors. Application deadline is February 29. See February 18 Tech Today article.
Michigan Tech Safety Liaisons Program Re-launched

- 121 individuals attended the luncheon
- 88 Safety Liaisons representing 100% of departments
Michigan Tech Safety Liaisons Program Re-launched (Continued)

Objectives of Safety Liaison Program include:
● Continuously improving campus safety culture
● Enhancing safety communications
● Expanding safety resources to all departments
● Managed by Business Operations–Health and Safety
The new program began on August 3, 2015 and has welcomed 102 new faculty and staff to Michigan Tech. The program provides information about:

- the benefits of working at Michigan Tech,
- University traditions,
- University’s mission, goals, and strategic plan from President Mroz,
- continuous improvement and safety on campus.
Human Resources
Huskies New Employee Orientation
(Continued)

It also provides the opportunity to . . .

- complete employment forms along with university-wide training, including Title IX, safety, and IT Security
- participate in a campus tour.
Benefits of the Program

- Welcomes new faculty and staff to Michigan Tech and helps create lasting friendships throughout campus.
- Faculty and staff are seamlessly integrated into the Michigan Tech community.
- New faculty and staff are introduced to the importance of safety, the strategic plan and continuous improvement at Michigan Tech.
What New Employees Are Saying About The Program

- "The orientation was well planned and very efficient. The presenters are well informed and very helpful. Very LEAN process. One of the best orientations I've attended."
- "Casual and engaging atmosphere, effectively communicated to a diverse group."
- “Lots of information was covered that I had no idea was offered at Michigan Tech.”
January 7, 2016
211 staff and faculty members participated
24 sessions – topics included: utilizing social media, customer service on campus, working with student employees, personality types in the workplace, Google drive basics, and many others.
More than 30 employees from across campus participated as presenters
Government Affairs Task Force

- Separate the duties of Board Secretary from Government Affairs
- A position with focus on federal relations
- Washington DC presence
- An on-campus person to manage relations with consultants
- Emphasis at the federal level at connecting faculty and staff to agencies
- Accountability and review
Recent State of Affairs

Federal

• Mostly research
• Many of the same interests as our corporate partners for R&D

State

• Mostly state budget, enrollment, accessibility, cost of attendance, financial aid
Government Affairs Organization

**Federal**
- Brent Burns, Director, Industry Relations
- Federal Science Partners
- Report to: Jim Baker/Dave Reed

**State**
- John Lehman, Associate VP for Enrollment, Marketing & Communications
- Knight Consulting
- Report to: President for SRO duties/Les Cook for other duties
Strategic Plan

• Approved by Board of Control on May 1, 2015

✓ Goal 2

➢ Distinctive and Rigorous-based Learning Experience
Congratulations to School of Business & Economics

✓ AACSB Accreditation for 5 Years
Higher Learning Commission (HLC)

Accreditation Continued -
Review with Visit in 2021-22

Completed Mid-Cycle Review –
February 2016
HLC Mid-Cycle Review – 5 Criteria for Accreditation

Criteria 1, 2, & 5

- **Mission** – is clear and articulated publicly, guides operations.
  ✓ Met
- **Integrity: Ethical and Responsible Conduct** – institution acts with integrity; conduct is ethical and responsible.
  ✓ Met
- **Resources, Planning, and Institutional Effectiveness** – resources, structures, and processes are sufficient to fulfill its mission; the institution plans for the future.
  ✓ Met

Criteria 3 & 4

- **Teaching and Learning: Quality, Resources, and Support** – high quality education, however delivered.
  ➢ Met with Concerns
- **Teaching and Learning: Evaluation and Improvement** – responsible for quality; evaluates effectiveness through processes to promote continuous improvement.
  ➢ Met with Concerns
by July 31, 2018...

Student learning outcomes assessment *at all levels*

– Clearly differentiated intended learning outcomes for all programs
  ▪ *How are our expectations for a bachelor’s different than a PhD?*

– Implement student learning outcomes assessment for graduate programs

**Comprehensive periodic program review for all programs at all levels**

– Ensure all programs are reviewed on a regular schedule
  ▪ Process should involve external reviewers

– Graduate programs must set persistence and completion goals and regularly collect and analyze the data (for attrition as well)

**Demonstrate data-based continuous improvements**
Strategic Plan

• Approved by Board of Control on May 1, 2015

✓ Goal 3

➢ Research/Scholarship/Entrepreneurship/Innovation/Creative Work
Research
## Sponsored Awards, 1st Quarter FY16

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>Proposals Submitted</th>
<th>Awards Received</th>
<th>Awards Received ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY '16 as of 9/30</td>
<td>FY '15 as of 9/30</td>
<td>FY '16 as of 9/30</td>
</tr>
<tr>
<td>NASA</td>
<td>2</td>
<td>7</td>
<td>4</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>43</td>
<td>49</td>
<td>31</td>
</tr>
<tr>
<td>US Department of Agriculture</td>
<td>25</td>
<td>31</td>
<td>10</td>
</tr>
<tr>
<td>US Department of Defense</td>
<td>17</td>
<td>11</td>
<td>17</td>
</tr>
<tr>
<td>US Department of Education</td>
<td>1</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>US Department of Energy</td>
<td>11</td>
<td>5</td>
<td>9</td>
</tr>
<tr>
<td>US Department of HHS</td>
<td>3</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>US Department of Transportation</td>
<td>5</td>
<td>7</td>
<td>4</td>
</tr>
<tr>
<td>Other Federal Agencies*</td>
<td>20</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Federal Agency Total</td>
<td>127</td>
<td>119</td>
<td>88</td>
</tr>
<tr>
<td>State of Michigan</td>
<td>11</td>
<td>13</td>
<td>3</td>
</tr>
<tr>
<td>Industrial</td>
<td>68</td>
<td>61</td>
<td>50</td>
</tr>
<tr>
<td>Foreign</td>
<td>7</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>All Other Sponsors</td>
<td>15</td>
<td>20</td>
<td>7</td>
</tr>
<tr>
<td>Subtotal</td>
<td>228</td>
<td>217</td>
<td>153</td>
</tr>
<tr>
<td>Gifts**</td>
<td>-</td>
<td>-</td>
<td>77</td>
</tr>
<tr>
<td>Crowd Funding</td>
<td>-</td>
<td>-</td>
<td>7</td>
</tr>
<tr>
<td>Grand Total</td>
<td>228</td>
<td>217</td>
<td>237</td>
</tr>
</tbody>
</table>


**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.
## Sponsored Awards, 2\textsuperscript{nd} Quarter FY16

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>Proposals Submitted FY '16</th>
<th>Proposals Submitted FY '15</th>
<th>Proposals Received FY '16</th>
<th>Proposals Received FY '15</th>
<th>Awards Received ($ FY '16)</th>
<th>Awards Received ($ FY '15)</th>
<th>Variance $</th>
<th>Variance %</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA</td>
<td>40</td>
<td>45</td>
<td>8</td>
<td>17</td>
<td>597,282</td>
<td>1,419,298</td>
<td>-822,016</td>
<td>-57.9%</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>115</td>
<td>125</td>
<td>37</td>
<td>47</td>
<td>4,939,588</td>
<td>7,622,181</td>
<td>-2,682,593</td>
<td>-35.2%</td>
</tr>
<tr>
<td>US Department of Agriculture</td>
<td>29</td>
<td>34</td>
<td>12</td>
<td>38</td>
<td>1,047,827</td>
<td>1,431,748</td>
<td>-383,921</td>
<td>-26.8%</td>
</tr>
<tr>
<td>US Department of Defense</td>
<td>38</td>
<td>32</td>
<td>26</td>
<td>25</td>
<td>3,853,204</td>
<td>6,417,041</td>
<td>-2,563,837</td>
<td>-40.0%</td>
</tr>
<tr>
<td>US Department of Education</td>
<td>2</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>92,155</td>
<td>-</td>
<td>92,155</td>
<td>-</td>
</tr>
<tr>
<td>US Department of Energy</td>
<td>16</td>
<td>18</td>
<td>12</td>
<td>7</td>
<td>1,290,949</td>
<td>529,431</td>
<td>761,518</td>
<td>143.8%</td>
</tr>
<tr>
<td>US Department of HHS</td>
<td>11</td>
<td>17</td>
<td>5</td>
<td>8</td>
<td>1,108,831</td>
<td>1,456,632</td>
<td>-347,801</td>
<td>-23.9%</td>
</tr>
<tr>
<td>US Department of Transportation</td>
<td>8</td>
<td>17</td>
<td>9</td>
<td>16</td>
<td>778,220</td>
<td>2,347,315</td>
<td>-1,569,095</td>
<td>-66.8%</td>
</tr>
<tr>
<td>Other Federal Agencies*</td>
<td>29</td>
<td>19</td>
<td>15</td>
<td>13</td>
<td>752,393</td>
<td>712,375</td>
<td>40,018</td>
<td>5.6%</td>
</tr>
<tr>
<td>Federal Agency Total</td>
<td>288</td>
<td>307</td>
<td>125</td>
<td>171</td>
<td>14,460,449</td>
<td>21,936,021</td>
<td>-7,475,572</td>
<td>-34.1%</td>
</tr>
<tr>
<td>State of Michigan</td>
<td>24</td>
<td>28</td>
<td>15</td>
<td>22</td>
<td>1,892,620</td>
<td>2,448,968</td>
<td>-556,348</td>
<td>-22.7%</td>
</tr>
<tr>
<td>Industrial</td>
<td>100</td>
<td>116</td>
<td>106</td>
<td>99</td>
<td>4,557,476</td>
<td>5,841,925</td>
<td>-1,284,449</td>
<td>-22.0%</td>
</tr>
<tr>
<td>Foreign</td>
<td>11</td>
<td>17</td>
<td>8</td>
<td>5</td>
<td>517,087</td>
<td>227,719</td>
<td>289,368</td>
<td>127.1%</td>
</tr>
<tr>
<td>All Other Sponsors</td>
<td>31</td>
<td>33</td>
<td>17</td>
<td>18</td>
<td>1,425,758</td>
<td>468,109</td>
<td>957,649</td>
<td>204.6%</td>
</tr>
<tr>
<td>Subtotal</td>
<td>454</td>
<td>501</td>
<td>269</td>
<td>315</td>
<td>22,853,390</td>
<td>30,922,742</td>
<td>-8,069,352</td>
<td>-26.1%</td>
</tr>
<tr>
<td>Gifts**</td>
<td>-</td>
<td>-</td>
<td>8</td>
<td>12</td>
<td>6,478</td>
<td>13,550</td>
<td>-7,072</td>
<td>-43.0%</td>
</tr>
<tr>
<td>Crowd Funding</td>
<td>-</td>
<td>-</td>
<td>8</td>
<td>12</td>
<td>6,478</td>
<td>13,550</td>
<td>-7,072</td>
<td>-43.0%</td>
</tr>
<tr>
<td>Grand Total</td>
<td>454</td>
<td>501</td>
<td>457</td>
<td>507</td>
<td>$28,893,623</td>
<td>$36,215,563</td>
<td>-$7,321,940</td>
<td>-20.2%</td>
</tr>
</tbody>
</table>


**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.
# Research Expenditures, 2nd Quarter FY16

<table>
<thead>
<tr>
<th>College/School/Division</th>
<th>FY2016</th>
<th>FY2015</th>
<th>Variance</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration*</td>
<td>2,198,980</td>
<td>1,923,860</td>
<td>275,120</td>
<td>14.3%</td>
</tr>
<tr>
<td>College of Engineering</td>
<td>12,758,079</td>
<td>12,418,386</td>
<td>339,693</td>
<td>2.7%</td>
</tr>
<tr>
<td>College of Science &amp; Arts</td>
<td>7,621,723</td>
<td>6,987,218</td>
<td>634,505</td>
<td>9.1%</td>
</tr>
<tr>
<td>Pavlis Honors College</td>
<td>113,267</td>
<td>144,933</td>
<td>(31,666)</td>
<td>-21.8%</td>
</tr>
<tr>
<td>Keweenaw Research Center (KRC)</td>
<td>3,100,967</td>
<td>2,725,446</td>
<td>375,521</td>
<td>13.8%</td>
</tr>
<tr>
<td>Michigan Tech Research Institute (MTRI)</td>
<td>4,394,103</td>
<td>4,807,238</td>
<td>(413,135)</td>
<td>-8.6%</td>
</tr>
<tr>
<td>School of Business &amp; Economics</td>
<td>787,057</td>
<td>786,357</td>
<td>700</td>
<td>0.1%</td>
</tr>
<tr>
<td>School of Forest Resources &amp; Environmental Science</td>
<td>2,347,146</td>
<td>2,638,009</td>
<td>(290,863)</td>
<td>-11.0%</td>
</tr>
<tr>
<td>School of Technology</td>
<td>280,835</td>
<td>224,155</td>
<td>56,680</td>
<td>25.3%</td>
</tr>
<tr>
<td>Total</td>
<td>33,602,157</td>
<td>32,655,602</td>
<td>946,555</td>
<td>2.9%</td>
</tr>
</tbody>
</table>

*Includes the Vice Presidents, Provost, CIO, Exec Director Financial Services & Operations and others who report to a VP, Provost or the President. Except for the research institutes that report to the VPR.
## Corporate Combined Research Expenditures Plus Gifts, 2\textsuperscript{nd} Qtr FY16

- FCA US LLC $660 k
- Bendix Corp $513 k
- Ford Motor Co $409 k
- Deere & Co $345 k
- Lonza Wood Protection $293 k
- Nostrum Energy LLC $252 k
- Ariens Co $243 k
- Michelin Americas R&D Corp $208 k
- General Motors Corp $182 k

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*Michigan Tech*
## Intellectual Property, 2nd Quarter FY16

<table>
<thead>
<tr>
<th>Category</th>
<th>FY16</th>
<th>FY15</th>
<th>+/-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disclosures Received</td>
<td>10</td>
<td>15</td>
<td>- 33 %</td>
</tr>
<tr>
<td>Nondisclosure Agreements</td>
<td>55</td>
<td>55</td>
<td>0 %</td>
</tr>
<tr>
<td>Patents Filed or Issued</td>
<td>7</td>
<td>6</td>
<td>+ 17 %</td>
</tr>
<tr>
<td>License Agreements</td>
<td>6</td>
<td>6</td>
<td>0 %</td>
</tr>
<tr>
<td>Gross Royalties</td>
<td>$131,629</td>
<td>$116,354</td>
<td>+ 13 %</td>
</tr>
</tbody>
</table>
Mont Ripley Tubing Park

- Opened December 31, 2015
- 800' long with a 110' vertical drop
- 4 lanes with 2-foot tall banked lane buffers
- Deceleration mats and safety netting at the end of the lanes
- Uphill transportation is a multi-lift handle tow
- Top speeds on a tube approach 50 mph
- Inventory of 75 tubes
- It is a very exciting ride!
Brand Affirmation Launch and Rollout

The timeline for this project will run from February 2016-August 2017 (18 months)

There will be 5 Phases:
1. Pre-planning and Announcement (Now-February 26)
   • February 26 unveiling (In the library)
2. UMC Prep (February 2016-August 2016)
   • Pilot with early-adopters
   • Launch early adopters
4. Hard Launch (January 2017)
   • All administrative departments
5. Final Rollout (January 2017-August 2017)
   • Academic departments
   • Facilities
Thanks For All You Do!

QUESTIONS