Strategic Plan

• Approved by Board of Control on April 27, 2012

✓ Major Goals Remain Same
  ➢ People
  ➢ Distinctive Education
  ➢ Research/Scholarship/Creativity/Entrepreneurship

• http://www.mtu.edu/stratplan/
BUDGET
CASH FLOW
Calendar Years
2013 & 2014 YTD
(dollars in millions)

$36.4MM
# CURRENT FUND FY14

<table>
<thead>
<tr>
<th></th>
<th>Original Projection</th>
<th>2nd Qtr Projection</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td>$ 261,812</td>
<td>$ 265,326</td>
</tr>
<tr>
<td><strong>Expense</strong></td>
<td>$(261,088)</td>
<td>$(261,559)</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$ 724</td>
<td>$ 3,767</td>
</tr>
<tr>
<td><strong>Current Fund Balance</strong></td>
<td>$ 13,919</td>
<td>$ 16,962</td>
</tr>
</tbody>
</table>

Note: Current Fund includes General Fund, Designated Fund, Auxiliaries, Retirement and Insurance, and the Expendable Restricted Funds.
<table>
<thead>
<tr>
<th></th>
<th>06/30/12</th>
<th>06/30/13</th>
<th>06/30/14</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TOTAL CURRENT FUND BALANCE</strong></td>
<td>$12,488</td>
<td>$13,195</td>
<td>$16,962</td>
</tr>
<tr>
<td><strong>LEGALLY RESTRICTED FUNDS</strong></td>
<td>(3,590)</td>
<td>(2,587)</td>
<td>(1,696)</td>
</tr>
<tr>
<td><strong>UNRESTRICTED CURRENT FUND BALANCE</strong></td>
<td>$8,898</td>
<td>$10,608</td>
<td>$15,266</td>
</tr>
</tbody>
</table>
Percent Increase of General Fund Base Budgets of Academic Units

[Bar chart showing the percent increase of general fund budgets for different academic units (COE, CSA, SBE, SFRES, SOT, GS, Acad) for fiscal years FY10 to FY14.]
<table>
<thead>
<tr>
<th>Institution</th>
<th>Type</th>
<th>Full-time faculty, % change</th>
<th>Part-time faculty, % change</th>
<th>Full-time executive, mgt., or administrative % change</th>
<th>Full-time professional, % change</th>
<th>Full-time nonprofessional, % change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Michigan University</td>
<td>Public 4-year</td>
<td>5.76</td>
<td>-13.65</td>
<td>-5.08</td>
<td>16.17</td>
<td>-15.62</td>
</tr>
<tr>
<td>Eastern Michigan University</td>
<td>Public 4-year</td>
<td>9.1</td>
<td>14.5</td>
<td>96.27</td>
<td>-12.58</td>
<td>-16.51</td>
</tr>
<tr>
<td>Ferris State University</td>
<td>Public 4-year</td>
<td>-2.2</td>
<td>-25.33</td>
<td>22.93</td>
<td>27.23</td>
<td>-30.16</td>
</tr>
<tr>
<td>Grand Valley State University</td>
<td>Public 4-year</td>
<td>6.04</td>
<td>-6.83</td>
<td>-11.73</td>
<td>92.27</td>
<td>-9.46</td>
</tr>
<tr>
<td>Lake Superior State University</td>
<td>Public 4-year</td>
<td>15.16</td>
<td>-30.97</td>
<td>61.99</td>
<td>33.11</td>
<td>5.58</td>
</tr>
<tr>
<td>Michigan State University</td>
<td>Public 4-year</td>
<td>2.2</td>
<td>-5.15</td>
<td>19.42</td>
<td>10.03</td>
<td>-13.63</td>
</tr>
<tr>
<td>Michigan Technological University</td>
<td>Public 4-year</td>
<td>32.23</td>
<td>9.32</td>
<td>16.26</td>
<td>-3.44</td>
<td>-42.08</td>
</tr>
<tr>
<td>Northern Michigan University</td>
<td>Public 4-year</td>
<td>4.01</td>
<td>33.9</td>
<td>-10.25</td>
<td>23.04</td>
<td>-17.87</td>
</tr>
<tr>
<td>Oakland University</td>
<td>Public 4-year</td>
<td>-0.4</td>
<td>11.53</td>
<td>0.47</td>
<td>18.6</td>
<td>-19.68</td>
</tr>
<tr>
<td>Saginaw Valley State University</td>
<td>Public 4-year</td>
<td>-3.72</td>
<td>5886.05</td>
<td>-31.13</td>
<td>12.69</td>
<td>-19.32</td>
</tr>
<tr>
<td>University of Michigan-Ann Arbor</td>
<td>Public 4-year</td>
<td>29.67</td>
<td>-0.26</td>
<td>52.45</td>
<td>-8.15</td>
<td>-10.42</td>
</tr>
<tr>
<td>University of Michigan-Deerborn</td>
<td>Public 4-year</td>
<td>-1.94</td>
<td>10.09</td>
<td>45.01</td>
<td>-8.53</td>
<td>-15.37</td>
</tr>
<tr>
<td>University of Michigan-Flint</td>
<td>Public 4-year</td>
<td>-3.73</td>
<td>46.38</td>
<td>63.85</td>
<td>0.31</td>
<td>-36.32</td>
</tr>
<tr>
<td>Wayne State University</td>
<td>Public 4-year</td>
<td>3.23</td>
<td>6.47</td>
<td>-45.09</td>
<td>36.7</td>
<td>-55.12</td>
</tr>
<tr>
<td>Western Michigan University</td>
<td>Public 4-year</td>
<td>7.1</td>
<td>5.16</td>
<td>26.95</td>
<td>27.47</td>
<td>0.89</td>
</tr>
</tbody>
</table>

Governor’s Proposed 2015 Budget

Michigan Tech:

5.8% increase = $2.5M

Limit Tuition Increases to 3.2% or less

MPSERS Funding
TOTAL MPSERS COSTS AS % OF APPROPRIATIONS
FOR ALL 7 UNIVERSITIES

FY97 FY98 FY99 FY00 FY01 FY02 FY03 FY04 FY05 FY06 FY07 FY08 FY09 FY10 FY11 FY12 FY13 FY14 (Est.)

MPSERS % of Appropriations
## Advancement Progress Toward our Goal

July 1, 2013 through January 31, 2014

<table>
<thead>
<tr>
<th></th>
<th>FY14 Goal</th>
<th>Actual</th>
<th>% Realized</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Restricted individual Gifts</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major</td>
<td>$8.00</td>
<td>$2.80</td>
<td>35%</td>
</tr>
<tr>
<td>Other</td>
<td>1.30</td>
<td>1.27</td>
<td>98%</td>
</tr>
<tr>
<td><strong>Planned gifts</strong></td>
<td>11.00</td>
<td>6.33</td>
<td>58%</td>
</tr>
<tr>
<td>Annual fund</td>
<td>1.50</td>
<td>1.11</td>
<td>74%</td>
</tr>
<tr>
<td>Corp Sponsored Research</td>
<td>5.00</td>
<td>6.87</td>
<td>137%</td>
</tr>
<tr>
<td>Corporations</td>
<td>3.00</td>
<td>1.47</td>
<td>49%</td>
</tr>
<tr>
<td>Foundations &amp; Other</td>
<td>0.50</td>
<td>0.33</td>
<td>66%</td>
</tr>
<tr>
<td>Gifts-in-kind</td>
<td>0.50</td>
<td>0.18</td>
<td>36%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$30.80</td>
<td>$20.37</td>
<td>66%</td>
</tr>
</tbody>
</table>
Strategic Plan

- Approved by Board of Control on April 27, 2012

✓ Major Goals Remain Same
  - People
Fall 2013 Career Fair

Interviewing Statistics

264    Employers on campus
679    Interviewers
6,242  Available interview slots
Spring 2014 Career Fair

208 Employers
SPRING ENROLLMENT

- Headcount: 3.4% (217 students)
- Undergraduate: 3.1% (136 students)
- Graduate: 6.5% (81 students)
Enrollment Deposits
Female Accepted Applications
Differential Tuition Timeline

- Plan drafted for review by Executive Team/Deans/Others  
  Fall 2013
- Preliminary discussion at BOC Finance conference call  
  Late Jan., 2014
- Communication to Deans  
  Dec./Jan. 2013/14
- Introduce idea to USG  
  Jan. 15, 2014
- Implementation mechanics meeting  
  Jan. 27, 2014
- Deans meeting  
  Jan. 29, 2014
- Budget forum – conceptual idea presented  
  Jan. 31, 2014
- Mtg / student governance groups (USGIFC/IRHC/Others)  
  Feb. 10, 2014
- Academic forum  
  Feb. 12, 2014
- Board Finance Committee conference call  
  Feb. 2014
- Board Finance Committee review  
  Feb. 20, 2014
- UMC to have cost of attendance website updated  
  End of February
- Communication to students/USG/GSG  
  Feb./Mar. 2014
- Communication to advising council and senate  
  Mar. 2014
- Fall registration begins  
  Mar. 21, 2014
- Board of Control final approval  
  May, 2014
- Formal education/communication campaign  
  Spring 2014
- Implementation of adjusted differential structure  
  Fall 2014
Athletics
• 350 student-athletes carry an average GPA of 3.24
• 84% Academic Success Rate (6 year graduation rate)
• Student-athlete majors:
  – Engineering – 44.5%
  – Sciences and Arts – 34.5%
  – Business – 15%
  – Forestry – 3.2%
  – Technology – 2.8%
61% of fall sport student-athletes earned Academic All-Conference

73% of winter sport student-athletes earned Academic All-Conference

Austin Armga and Ben Stelzer (Men’s Basketball) named Academic All-District First Team

Cross Country Runners Deedra Irwin, Sarah Daniels, Kyle Hanson, Jani Lane and Jason Saliga named All-Academic

CJ Eick, Tanner Kero, Daniel Sova and Brad Stebner earned WCHA Scholar-Athlete Honors
Athletic Success

• Hockey
  • Currently tied for 4th place in the WCHA and could host a 1st round playoff game (1st time in 20 years)
  • 10 student-athletes have earned WCHA Player of the Week so far this season

• Basketball
  • Men’s basketball is currently in 2nd place in the GLIAC-North and could host a 1st round playoff game on Wednesday, March 5th
  • Men’s basketball leads the nation in both free throw percentage and 3-point percentage
  • Women’s basketball is currently in 2nd place in the GLIAC-North and could host a 1st round playoff game on Wednesday, March 5th
Athletic Success

• Soccer
  • Qualified for the NCAA Championship for the first time in just the 3rd year of the program
• Nordic Skiing
  • Alice Flanders won back-to-back freestyle races at a CCSA qualifying event. She has earned a spot in the NCAA Championship
• Football
  • 4th straight winning season (28-13) since 2010
  • Junior Tyler Scarlett became the all-time leading passer with 7,554 yards with his senior season remaining
Region H Conference

- held at Michigan Tech-February 14-16

Keynote Speakers:
Patricia K. Poppe, Vice President of Customer Experience and Operations for Consumers Energy

Martha N. Sullivan, President and Chief Executive Officer of Sensata Technologies (‘85 ME)

SWE Society President, Stacey DelVecchio, Manager for Caterpillar
Making a Difference
Staff Awards

Jeanne Meyers  
Above and Beyond

Susan Liebau  
Bringing out the Best

Mark Sloat  
Creative Solutions

Colleen Erva  
Outstanding Supervisor

Tim Griffin  
Rookie Award

Robert Hiltunen  
Serving Others

Mary J. Stevens  
Unsung Hero
UAW Certification Program Update
UAW Certification Program

Purpose
1. Develop a Certification Program for UAW employees in cooperation with Gogebic Community College
2. Enhance the skill set of UAW employees
3. Provide continued education for UAW employees
UAW Certification Program Update

UAW Certification Program Kick-Off Event
1. March 12 and 13, 2014
2. Team Building and Professional Development for UAW employees

Inaugural Term – Fall 2014
1. 8-10 week courses; dependent on certification
2. 4 mini-certifications; 24 participants maximum per certification
   • Business Communication Certification
   • Microsoft Office Certification (Intermediate to Advanced)
   • Social Media Certification
   • Michigan Tech Specific Certification
      • Completion of the 4 mini-certifications equates to a UAW Master Certification
MIOSHA Inspection Update
MIOSHA Inspection Update

June 17, 2013—MIOSHA General and Industrial Inspection

September 18, 2013—Final closing meeting held
• 182 citations
• 163 (89.5%) already abated by final closing meeting

November 6, 2013—Informal Settlement Agreement sent.
• Extension received for 10 sub-items
• All other items abated
• Penalties assessed reduced by 60% to $20,525

To date:
• All 182 citations complete
• 464 “not cited but required” items are 94.5% complete
HEALTH and WELLNESS
2014 HuskyCare Health Plan Update

• 1,352 benefit eligible employees
• 128 employees opt out of Michigan Tech’s coverage and receive a credit of $150 per month
• 95 employees are covered by a spouse or partner through Michigan Tech
• 398 employees are enrolled in the HuskyCare PPO
• 732 employees are enrolled in the High Deductible Health Plan (HDHP)
2014 HuskyCare Health Plan Update

- **PPO**: 29%
- **HDHP**: 54%
- **Opt Out ($150 per month credit)**: 7%
- **Covered through Spouse/Partner at Tech**: 10%

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**Michigan Tech**
Create the Future
Net Aggregate Health Care Expense History
Calendar Year Presentation

$ in Millions


1996 - First full year of a PPO and a flexible benefit program
1999 - BCBSM begins as PPO administrator
2000 - Introduced percentage copays
2001 - Introduced specific stop loss coverage
2002 - A Premium plan introduced plus percentage copays for all services
2004 - Major plan changes
2009 - Major plan changes (BCBS to Aetna)
2012 - Ongoing Actual Projection
Wellness Program: TechFit

TechFit is the most popular wellness program among employees and dependents and Michigan Tech supports its growth by offering incentives to earn additional TechFit dollars through the Health Risk Assessment (HRA) promotion and HuskyPAW.

<table>
<thead>
<tr>
<th>Year</th>
<th>TechFit Usage ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>74,324</td>
</tr>
<tr>
<td>2008</td>
<td>105,083</td>
</tr>
<tr>
<td>2009</td>
<td>124,897</td>
</tr>
<tr>
<td>2010</td>
<td>137,629</td>
</tr>
<tr>
<td>2011</td>
<td>161,614</td>
</tr>
<tr>
<td>2012</td>
<td>164,161</td>
</tr>
<tr>
<td>2013</td>
<td>199,588</td>
</tr>
</tbody>
</table>

TechFit usage by year
WELLNESS PROGRAM: SWEAT
Social Wellness, Employee Action & Teamwork

• Program began in January 2012
• Administered by Kinesiology and Integrative Physiology
• Free to eligible employees, access to personal training and instructor-led classes as well as informal group activities
• Approximately 300 employees receive weekly email updates
• 236 employees have been offered instructor-led classes
• 180 employees have been offered personal training
Employee Benefits and Community Services Fair

Thursday, May 8, 2014
Isle Royale Ballroom, Memorial Union Building
10:00 a.m. – 2:00 p.m.

Register to win two round trip airline tickets
Houghton to Chicago on SkyWest
Strategic Plan

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✓ Major Goals Remain Same
  ➢ Distinctive Education
- New Academic Initiatives
  - Programs
  - Honors College
  - Alliance for Computing, Information and Automation (ACIA)
New Academic Programs
- Minor in Music Performance
- Master of Science in Kinesiology
- Master of Science in Accounting

Under Michigan Tech Senate Review
- BS and Minor in Statistics
- MS and Certificate in Data Science

Revision of General Education Program

Doctor of Physical Therapy (DPT) Degree Partnership with Central Michigan University
(your name here) Honors College

**Purpose:** To support highly motivated Michigan Tech students as they achieve the highest standards of academic excellence.

**Housed within the Honors College:**
- Honors Institute
- Enterprise Program
- The Pavlis Leadership Program
- Research Scholars program
- Summer Undergraduate Research Fellowship Program
- National and International Scholarships & Fellowships
ALLIANCE FOR COMPUTING, INFORMATION AND AUTOMATION (ACIA)
Executive Committee (rotating chair {ECE, CS, SOT})
Joint Strategic Planning
Common Website

Standing ACIA Curriculum Committee

Curriculum Changes across three units

Avoid resource/course duplication
Consolidate course offerings

Gap areas/Course needs in

Apps Development for Mobile Devices
Visual Analytics
Game Development
Computer Vision
Cyber Security
Social Computing
Natural Language Processing
Robotics
Certificate/Professional MS in Data Science

ACIU Research Center
Director
High Performance Computing
Immersive Visualization Studio

NSF Expeditions in Computing
Path to research and education
for future of computing & information

ARL (Army Research Lab)
Cyber Security Collaborative Research
Alliance
William G. Jackson Center for Teaching and Learning

- Training facility
- Testing facility
- Classrooms renovated
- Facility to record parts of classes
William G. Jackson Center for Teaching and Learning

Faculty invited to submit proposals to support blended learning course innovations.

- Proposals funded at three levels ($1,000, $5,000 and $10,000) for a total of $50,000.
William G. Jackson Blended Learning Competition Winners

$1,000

* Todd Arney (SoT) “Technology Tools for Blended Content Creation”
* Jason Carter (KIP) “Benchmarking Trip to University of Florida”
* Jennifer Sams (Library) “Sloan C Blended Learning Workshop”
* Qingli Dai (CEE) “Pre-Class Statics Assignments”
* Wil Slough (Physics) “Development of Blended Learning Materials for Uncertainty Analysis”
* Liang Song (SBE) “Attendance at American Taxation Midyear Meeting”
* Susan Hill (MSE) “AMCAL Training Modules”
* Yu Cai (SoT), “iPad and Hangouts in Informatics”
William G. Jackson Blended Learning Competition Winners

$5,000

* Karla Kitalong (HU) “MTMC and IGTAAP Tech Upgrade” (partial funding)
* Jason Gregersen (Math) “Blended and Online Linear Algebra”
* Adrienne Minerick (ChE) “Extensions of Microdevice Tech Lab”
* Leo Ureel (CS) “Canvas Teaching Assistant”
William G. Jackson Blended Learning Competition Winners

$7,500
* Amber Kemppainen et al “Blended Learning in Engineering Fundamentals”

$10,000
* Joshua Pearce (MSE/ECE) “3D Printing Blended Course”
* Michele Miller (ME) “Blended Learning in ME Practice Courses”
* Jared Anderson (VPA) “Video Arts in Blended Learning (VIABLE)”
Waino Wahtera Center for Student Success

Learning Centers –
- Additional Coaches/Tutor
- University-wide Advising
- New International Student Success Course
- 1st Year Retention Goal = 85%
Strategic Plan

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✓ Major Goals Remain Same
  ➢ Research/Scholarship/Creativity/Entrepreneurship
FY13 Sponsored Program Awards

Total
Total - Gifts
Federal
Federal + ARRA

+ 11%
+ 11%
Sponsored Awards, 2nd Qtr FY14

Sponsored Awards
Fiscal Year 2014
2nd Quarter
Ended December 31, 2013
TOTAL: $24,808,283

ARRA Funding
FY2009: 1,688,723
FY2010: 10,334,230
FY2011: 1,230,780
FY2012: 35,895
Total $ 13,289,628

Michigan Tech
SmartZone Expansion

- Partnership with Northern Michigan University
- City of Marquette
Strategic Plan Review Timeline, 2015

**Preliminary Activities** - Spring 2014

**Campus Comment Period** - August-September 2014

**Deans Revision** - September 2014

**Review with Board of Control** - December 2014

**Campus Comment Period** - December 2014 – January 2015

**Preliminary Final Draft** - March 2015

**Final Board of Control Approval** - May 2015
Thanks For All You Do!

QUESTIONS