# Fund Comparison

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Fund</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Income</td>
<td>($ 2.5M)</td>
<td>$ 1.9M</td>
<td>$ 0.6M</td>
<td>$ 0.3M</td>
</tr>
<tr>
<td>Balance</td>
<td>($11.9M)</td>
<td>($10.0M)</td>
<td>($9.4M)</td>
<td>($9.1M)</td>
</tr>
<tr>
<td><strong>Current Fund</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Income</td>
<td>$ 1.5M</td>
<td>$ 3.3M</td>
<td>$ 1.2M</td>
<td>$ 1.5M</td>
</tr>
<tr>
<td>Balance</td>
<td>$ 10.1M</td>
<td>$13.4M</td>
<td>$14.6M</td>
<td>$16.1M</td>
</tr>
</tbody>
</table>
## CURRENT FUND
### FY08 Projection vs Appropriation Scenarios

<table>
<thead>
<tr>
<th></th>
<th>Original Projection</th>
<th>House Appropriation</th>
<th>Senate Appropriation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuition and Fees</td>
<td>$75,454</td>
<td>$75,454</td>
<td>$75,454</td>
</tr>
<tr>
<td>State Appropriations</td>
<td>50,449</td>
<td>52,450</td>
<td>48,501</td>
</tr>
<tr>
<td>Grants and Contracts</td>
<td>44,505</td>
<td>44,505</td>
<td>44,505</td>
</tr>
<tr>
<td>Auxiliary Activities</td>
<td>26,590</td>
<td>26,590</td>
<td>26,590</td>
</tr>
<tr>
<td>Miscellaneous Revenue</td>
<td>14,922</td>
<td>14,922</td>
<td>14,922</td>
</tr>
<tr>
<td><strong>Total Revenue</strong></td>
<td>211,920</td>
<td>213,921</td>
<td>209,972</td>
</tr>
</tbody>
</table>

|                          |                     |                     |                      |
| **Expense:**             |                     |                     |                      |
| Salaries and Fringe Benefits | 124,519           | 124,519             | 124,519              |
| Supplies and Equipment   | 46,024              | 46,024              | 46,024               |
| Fellowships/Scholarships | 27,184              | 27,184              | 27,184               |
| Utilities                | 8,730               | 8,730               | 8,730                |
| Transfers Out            | 2,947               | 2,947               | 2,947                |
| **Total Expense**        | 209,404             | 209,404             | 209,404              |

|                          |                     |                     |                      |
| **Net Income (Loss)**    | $ 2,516             | $ 4,517             | $ 568                |

**Note:** Current Fund includes General Fund, Designated Fund, Auxiliaries,
FY2008 House Formula

• 2.5% Across the Board
• 2.5% Formula Allocation
  -35% Pell Grant %FYES
  -15% Federal Research Expenditures
  -50% Degree Completions (STEM)
  - Native American Tuition Waiver
Strategic Plan Report
www.mtu.edu/stratplan

Goal 1. People
Attract and support world-class and diverse faculty, staff and student population.

Goal 2. Distinctive Education
Discovery based technological focus, sustainability, innovation.

Goal 3. Research / Scholarship / Creativity
World class, technological focus, economic sustainability.
# Metric Goals

<table>
<thead>
<tr>
<th>Metric</th>
<th>Baseline</th>
<th>2006</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman ACT</td>
<td></td>
<td>25.2</td>
<td>26</td>
</tr>
<tr>
<td>PhDs Awarded</td>
<td></td>
<td>41</td>
<td>69</td>
</tr>
<tr>
<td>Sponsored Program Awards</td>
<td></td>
<td>43.6M</td>
<td>76.6M</td>
</tr>
<tr>
<td>Endowment Value</td>
<td></td>
<td>66M</td>
<td>200M</td>
</tr>
</tbody>
</table>
Metric: Incoming Freshmen ACT Scores

Incoming Freshmen ACT Scores, Composite University Goal: 26

<table>
<thead>
<tr>
<th>Year</th>
<th>Institution</th>
<th>State Average</th>
<th>National Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>25.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2004</td>
<td>25.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2005</td>
<td>25.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2006</td>
<td>25.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2007</td>
<td>25.6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## New Student Profile

<table>
<thead>
<tr>
<th></th>
<th>2006</th>
<th>2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT Composite</td>
<td>25.2</td>
<td>25.6</td>
</tr>
<tr>
<td>ACT Math</td>
<td>26.3</td>
<td>26.8</td>
</tr>
<tr>
<td>ACT English</td>
<td>23.9</td>
<td>24.2</td>
</tr>
<tr>
<td>High School Percentile</td>
<td>74.2</td>
<td>75.2</td>
</tr>
<tr>
<td>GPA</td>
<td>3.50</td>
<td>3.53</td>
</tr>
<tr>
<td>Enrollment Headcount FY08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>5,838</td>
<td></td>
</tr>
<tr>
<td>Graduate</td>
<td>900</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6,738</td>
<td></td>
</tr>
</tbody>
</table>
1987-2007 Enrollment

Distance Learning
Non-Distance Learning
Metric: Sponsored Program Awards

Total Awards Goal: $76.6
Percent Increase in Research Expenditures

- UM: 4% increase
- MSU: 2% increase
- WSU: 0% increase
- MTU: 12% increase
2005 NSF National Ranking

- 79th among institutions without medical schools
- Now 127th among public institutions
- 179th in total research expenditures
- Mechanical Engineering now 23rd
- Mathematics Near Top 100
2005 NSF National Ranking

- Our national ranks:
  - Mechanical Eng: 23rd
  - Chemical Eng: 45th
  - Met and Mat: 48th
  - Civil: 49th
  - Bioengineering/Biomed: 53rd
  - Environmental Sci: 74th
  - Engineering: 79th
  - Electrical and Comp: 90th
Best Graduate Schools

- Environmental Engineering 25
- Materials 42
- Civil Engineering 49
- Mechanical Engineering 54

*Other fields are not evaluated
Metric: Endowment Value

Endowment Balance in Millions

Endowment Balance Goal: $200
<table>
<thead>
<tr>
<th></th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$19M</td>
<td>$12M</td>
<td>$22M</td>
<td>$28M</td>
</tr>
</tbody>
</table>
State Operation Appropriations to Michigan Technological University FY1965 through FY2007

*FY 2007 Estimated
Adjusted to FY1984 Dollars
Priority

Developing Resources to Support Additional Faculty, Students, Staff
Endowed Chairs

- Robbins Chairs of Sustainability
  - Sustainable Manufacturing & Design
  - Sustainable Use of Materials
  - Sustainable Management of the Environment

- Anonymous (3)
Endowed Professorships

• David L. House,
  – Electrical Engineering

• John & Cathi Drake,
  – Mechanical Engineering

• William & Gloria Jackson,
  – Computer & Information Sciences
Metric: PhDs Awarded

# of PhDs Goal: 69
Our Future

Michigan Tech @ 150
The Background

1. Strategic Plan
2. Metrics
3. Summer 2007 Board of Control Retreats
How Great Can Michigan Tech Become?
Our Choice

- Decline
- Maintain
- Improve
- Transform
The Strategic Objective

Michigan Tech will be a Premier Technological University in the World
Our Brand

• Technological University

• Practical, Discovery-Based Learning & Research
Our Developing Brand

- Technological University
- Practical, Discovery Based Learning and Research
- Develop, Understand, Apply, Manage and Communicate (STEM)
- Sustainability
Today, Michigan Tech is ....

- Respected by Those Who Know Us
- But Not Widely Known
- Nuclei of Recognized Excellence
- #124 in U.S. News & World Report
- Top 500 in Shanghai World Rankings
Rationale

• Complex Technological World
• Our Strengths – Societal Needs (STEM)
• Increasing Student Quality, Research Output, Industry Connections
• Increasing Alumni Support

We are poised to transform to a premier technological university
Mission

We prepare Students to Create the Future
Strategic Plan

• Great Faculty, Staff and Students
• Distinctive Programs
• Innovative Research Development and Scholarship
FY 2008 Milestones of Success

Invest in People

• Hire/appoint outstanding deans, chairs, faculty and staff
• 10 Additional faculty positions
FY2008 Milestones of Success

Invest in Our Campus

• Selected physical improvements and projects
FY2008 Milestones of Success

Increase Resources

- Raise $45M in campaign; emphasis endowment
- Increase sponsored awards to $55M
FY2008 Milestones of Success

Increase our visibility and external reputation
FY2008 Milestones of Success

Enrollment

• Increase composite ACT scores to 25.8
• Graduate 60 Ph.Ds
FY2008 Milestones of Success

Promote responsible financial stewardship

- Make decisions based on strategic plan
- Retain a AAA bond rating
What Can You Do?

Embrace the attitude – We Can Do It!!!
Now, All of Us Must ....

Make decisions based on the Strategic Plan

Attract and support the best people – faculty, students and staff