

***MichiganTech***

# **CAMPUS FORUM**

**October 2, 2007**

# Michigan Tech

## Fund Comparison

	<u>FY2004</u>	<u>FY2005</u>	<u>FY2006</u>	<u>FY2007</u>
General Fund				
Income	(\$ 2.5M)	\$ 1.9M	\$ .6M	\$ .3M
Balance	(\$11.9M)	(\$10.0M)	(\$9.4M)	(\$9.1M)
Current Fund				
Income	\$ 1.5M	\$ 3.3M	\$ 1.2M	\$1.5M
Balance	\$ 10.1M	\$13.4M	\$14.6M	\$16.1M

# Michigan Tech

## CURRENT FUND

### FY08 Projection vs Appropriation Scenarios

	<u>Original Projection</u>	<u>House Approp</u>	<u>Senate Approp</u>
<b>Revenue:</b>			
Tuition and Fees	\$ 75,454	\$ 75,454	\$ 75,454
<b>State Appropriations</b>	<b>50,449</b>	<b>52,450</b>	<b>48,501</b>
Grants and Contracts	44,505	44,505	44,505
Auxiliary Activities	26,590	26,590	26,590
Miscellaneous Revenue	14,922	14,922	14,922
<b>Total Revenue</b>	<b>211,920</b>	<b>213,921</b>	<b>209,972</b>
<b>Expense:</b>			
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
<b>Total Expense</b>	<b>209,404</b>	<b>209,404</b>	<b>209,404</b>
<b>Net Income (Loss)</b>	<b>\$ 2,516</b>	<b>\$ 4,517</b>	<b>\$ 568</b>

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](http://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

Baseline

2006

2012

Freshman ACT

25.2

26

PhDs Awarded

41

69

Sponsored Program Awards

43.6M

76.6M

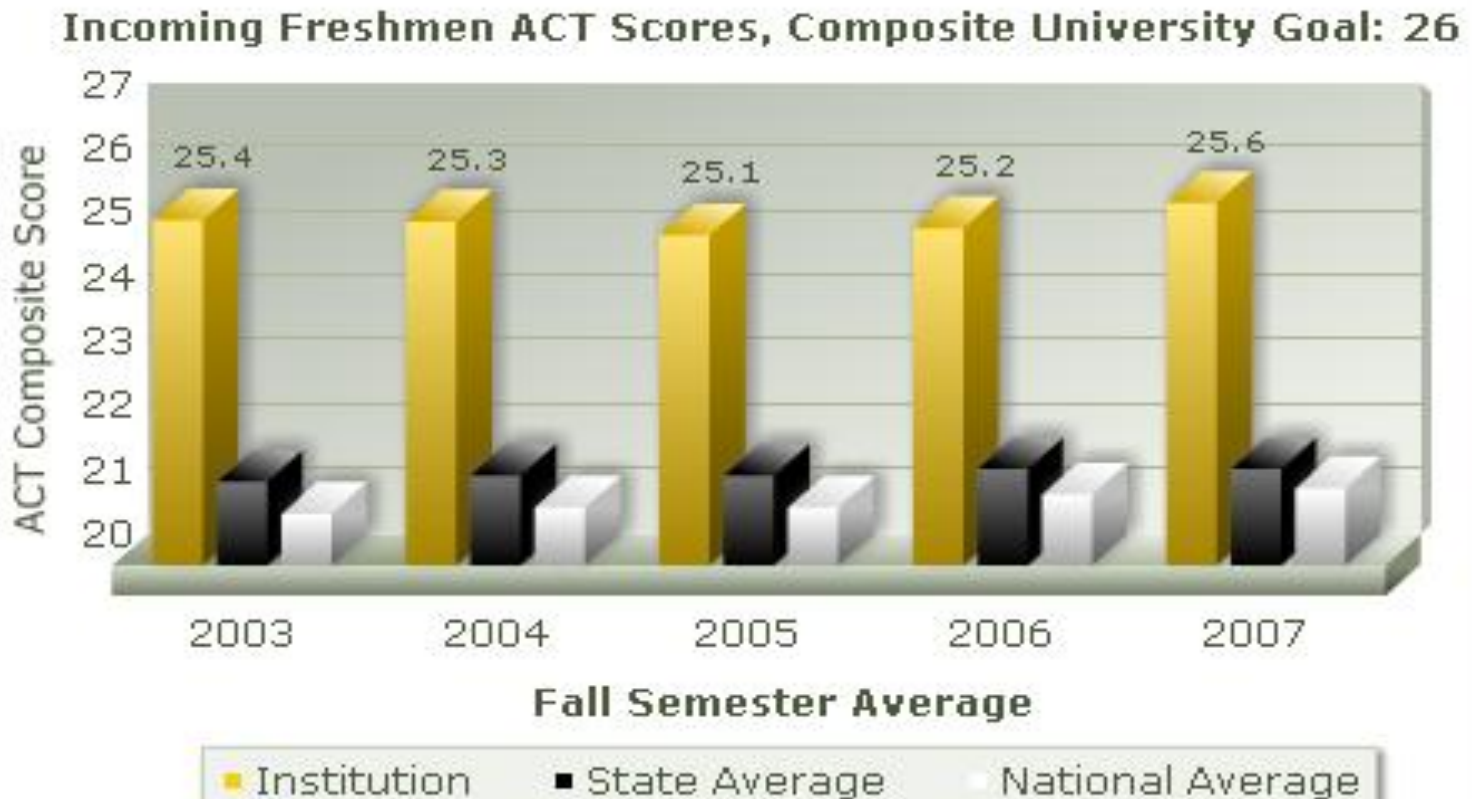
Endowment Value

66M

200M

# Michigan Tech

## Metric: Incoming Freshmen ACT Scores



## New Student Profile

	<u>2006</u>	<u>2007</u>
• ACT Composite	25.2	25.6
• ACT Math	26.3	26.8
• ACT English	23.9	24.2
• High School Percentile	74.2	75.2
• GPA	3.50	3.53



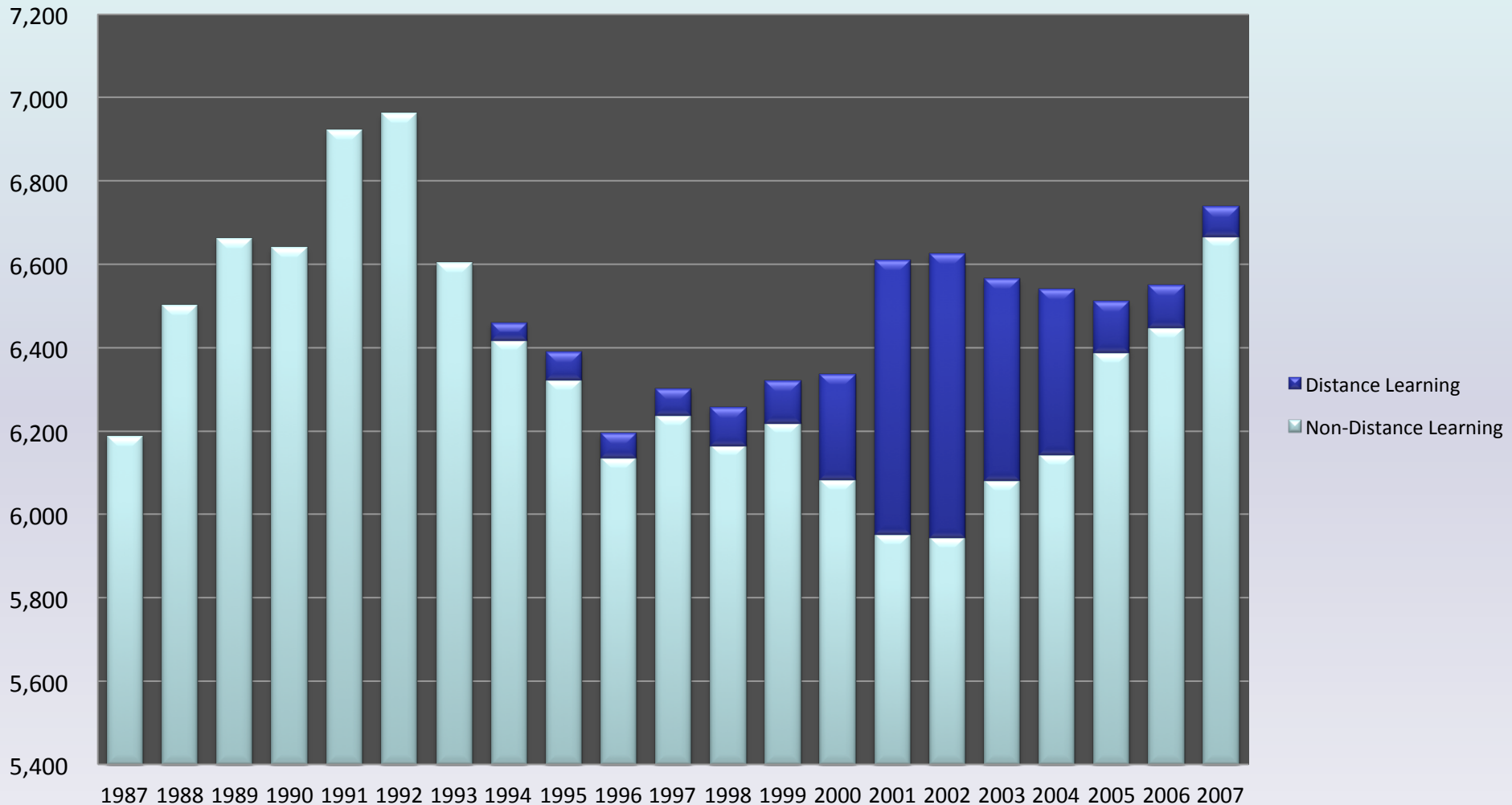
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## Enrollment Headcount FY08

	Total
Undergraduate	<del>5,838</del>
Graduate	900
	<del>6,738</del>

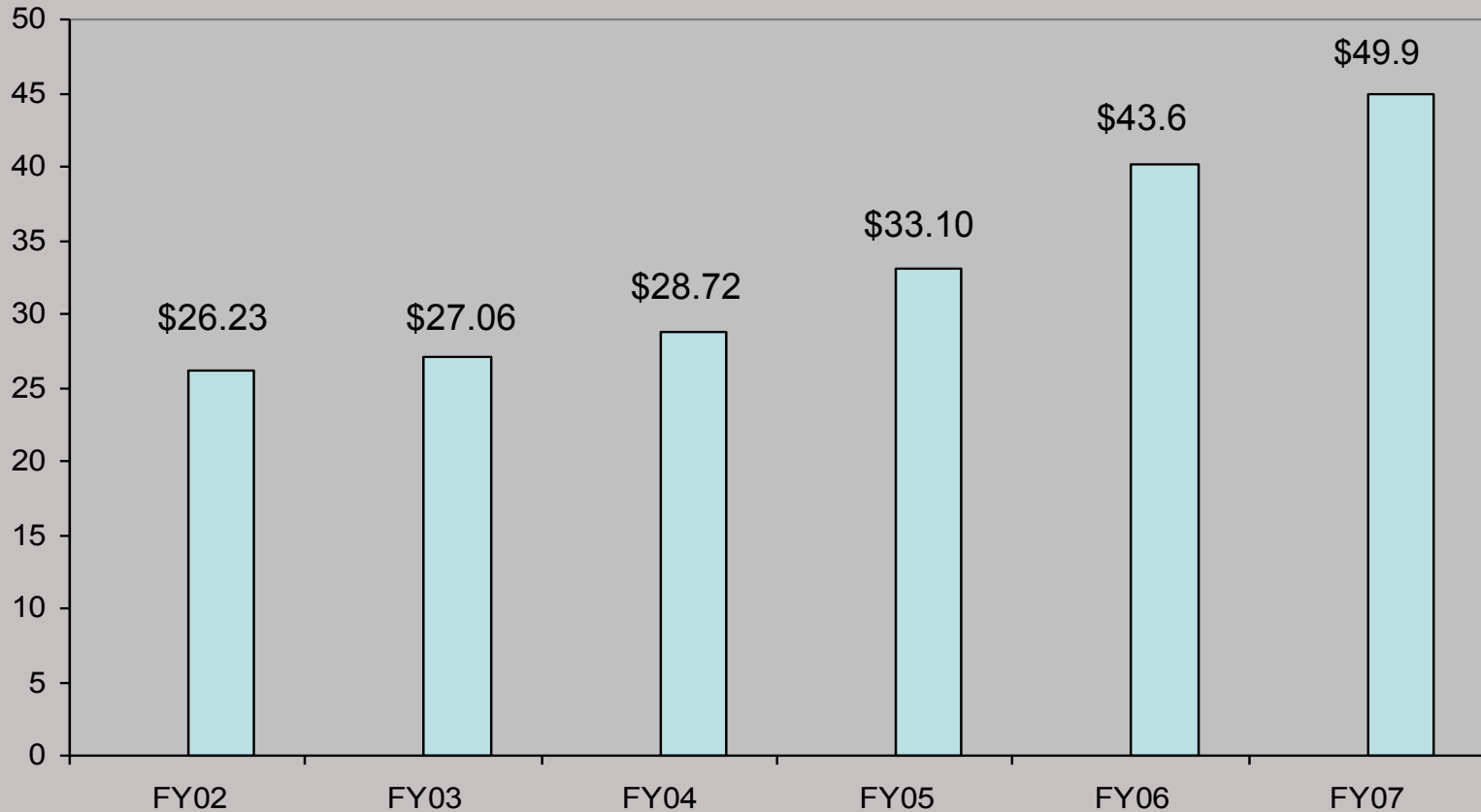
# Michigan Tech

## 1987-2007 Enrollment



# Michigan Tech

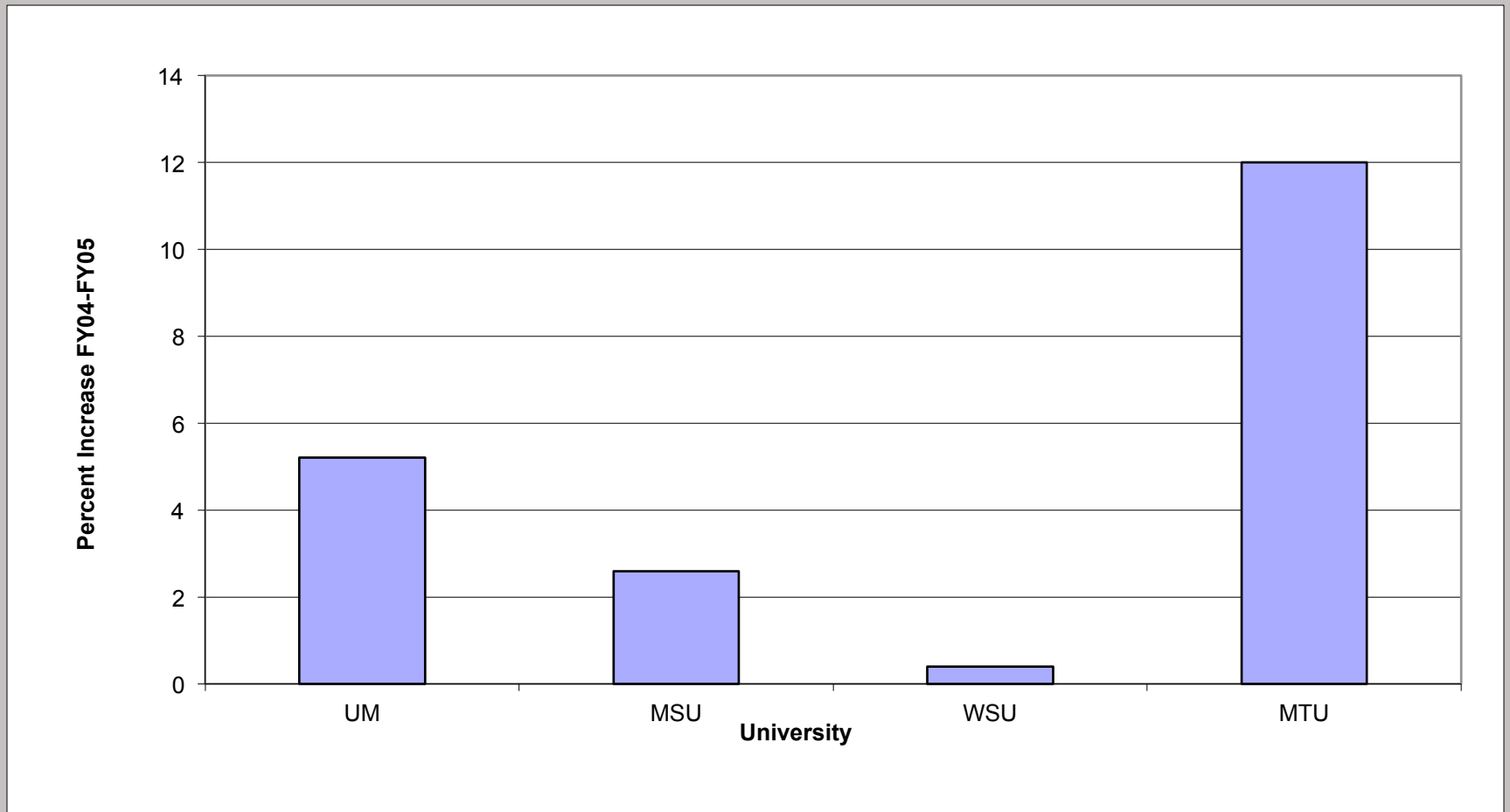
## Metric: Sponsored Program Awards



Total Awards Goal: \$76.6

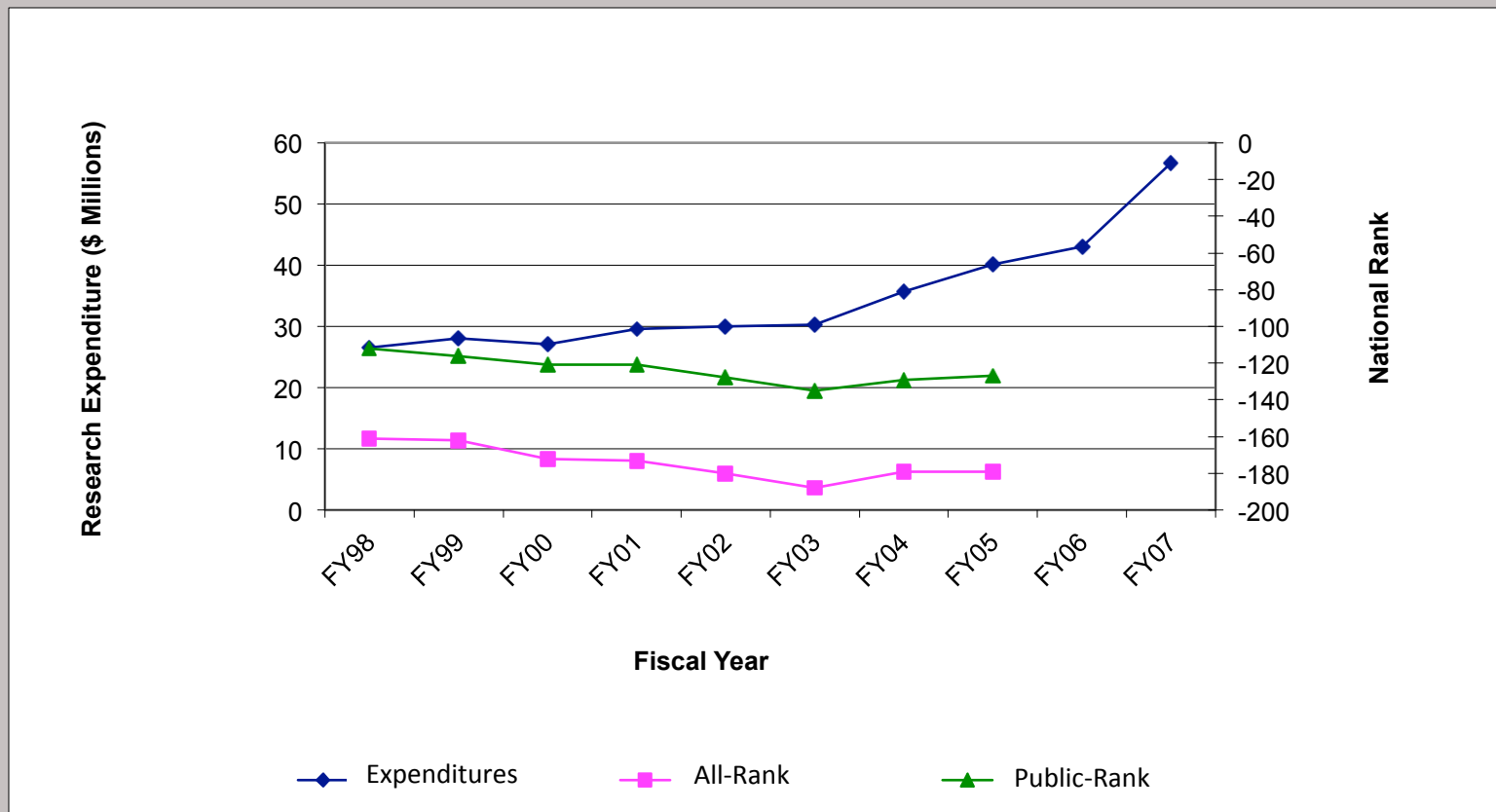
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## Percent Increase in Research Expenditures



# Michigan Tech

## NSF National Rank



## 2005 NSF National Ranking

- 79<sup>th</sup> among institutions without medical schools
- Now 127<sup>th</sup> among public institutions
- 179<sup>th</sup> in total research expenditures
- Mechanical Engineering now 23<sup>rd</sup>
- Mathematics Near Top 100

# Michigan Tech

## 2005 NSF National Ranking

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

## **U.S. News & World Report Best Graduate Schools**

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

\*Other fields are not evaluated

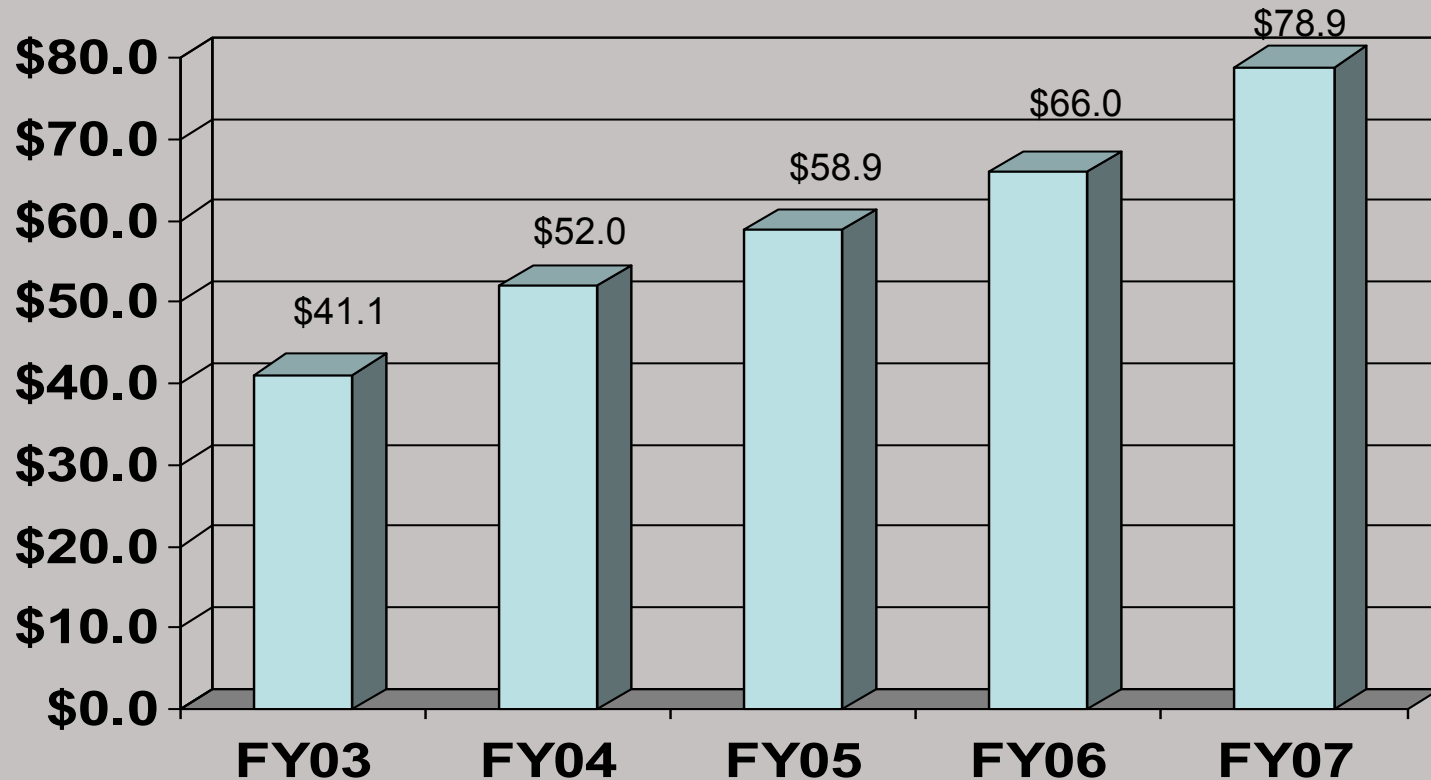


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## Metric: Endowment Value

Endowment Balance in Millions

Endowment Balance Goal: \$200



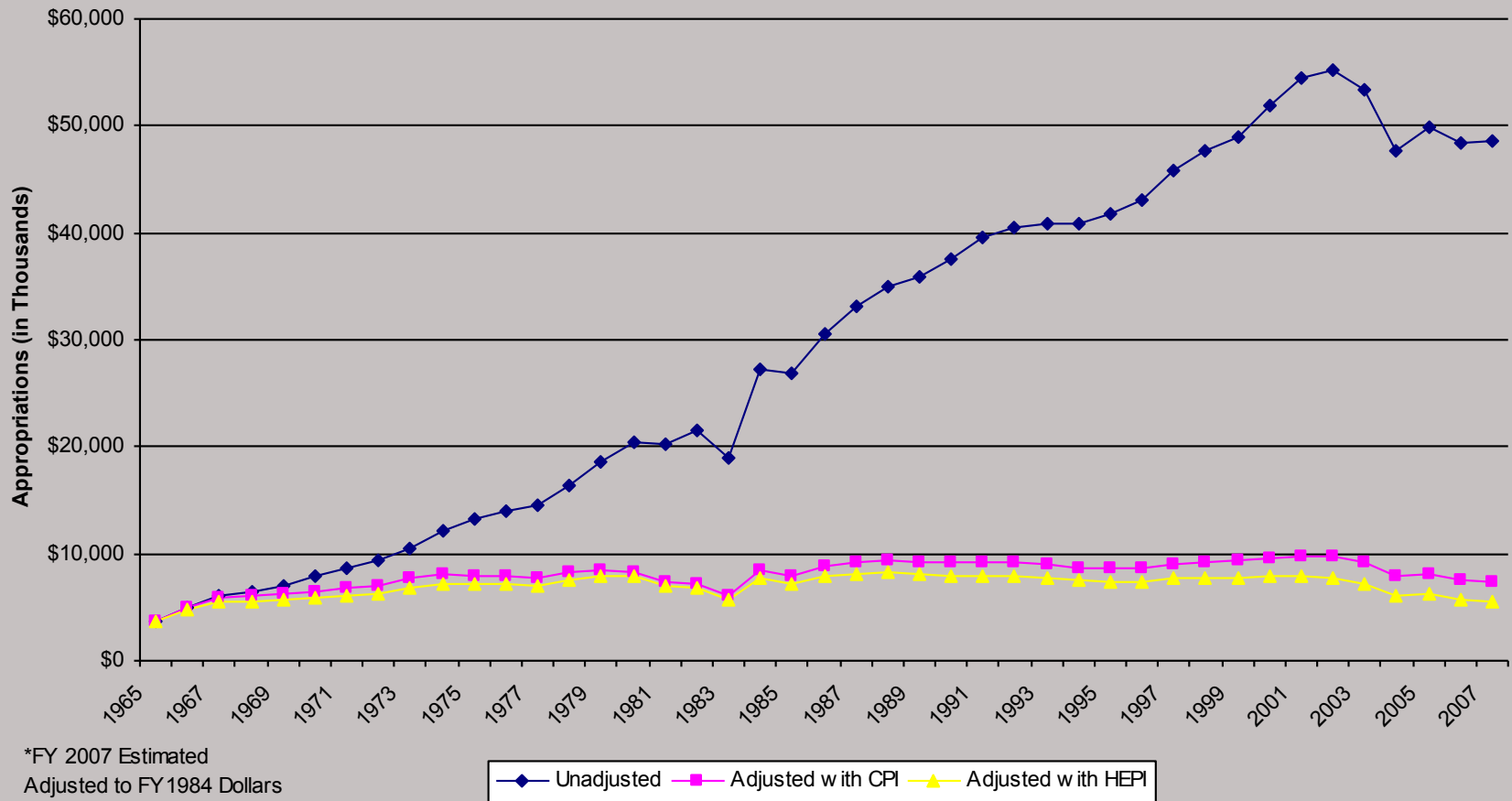
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## Fundraising

	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>
Total	\$19M	\$12M	\$22M	\$28M

# Michigan Tech

## State Operation Appropriations to Michigan Technological University FY1965 through FY2007



## **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)

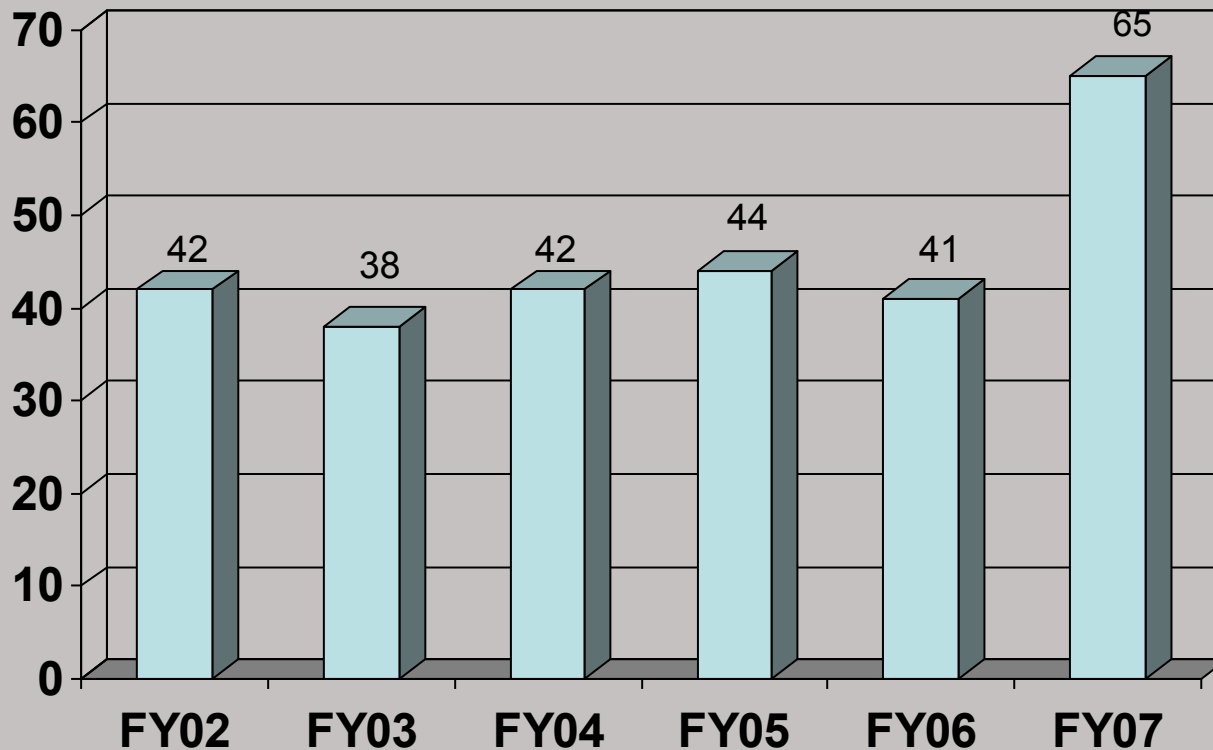
## Endowed Professorships

- David L. House,
  - Electrical Engineering
- John & Cathi Drake,
  - Mechanical Engineering
- William & Gloria Jackson,
  - Computer & Information Sciences

# Michigan Tech

## Metric: PhDs Awarded

# of PhDs Goal: 69



# ***MichiganTech***

## **Our Future**

Michigan Tech @ 150



## The Background

1. Strategic Plan
2. Metrics  
↓
3. Summer 2007 Board of Control Retreats

***Michigan Tech***

**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

# ***MichiganTech***

## **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

# *MichiganTech*

## 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

# Michigan Tech



## **FY2008 Milestones of Success**

### Increase Resources

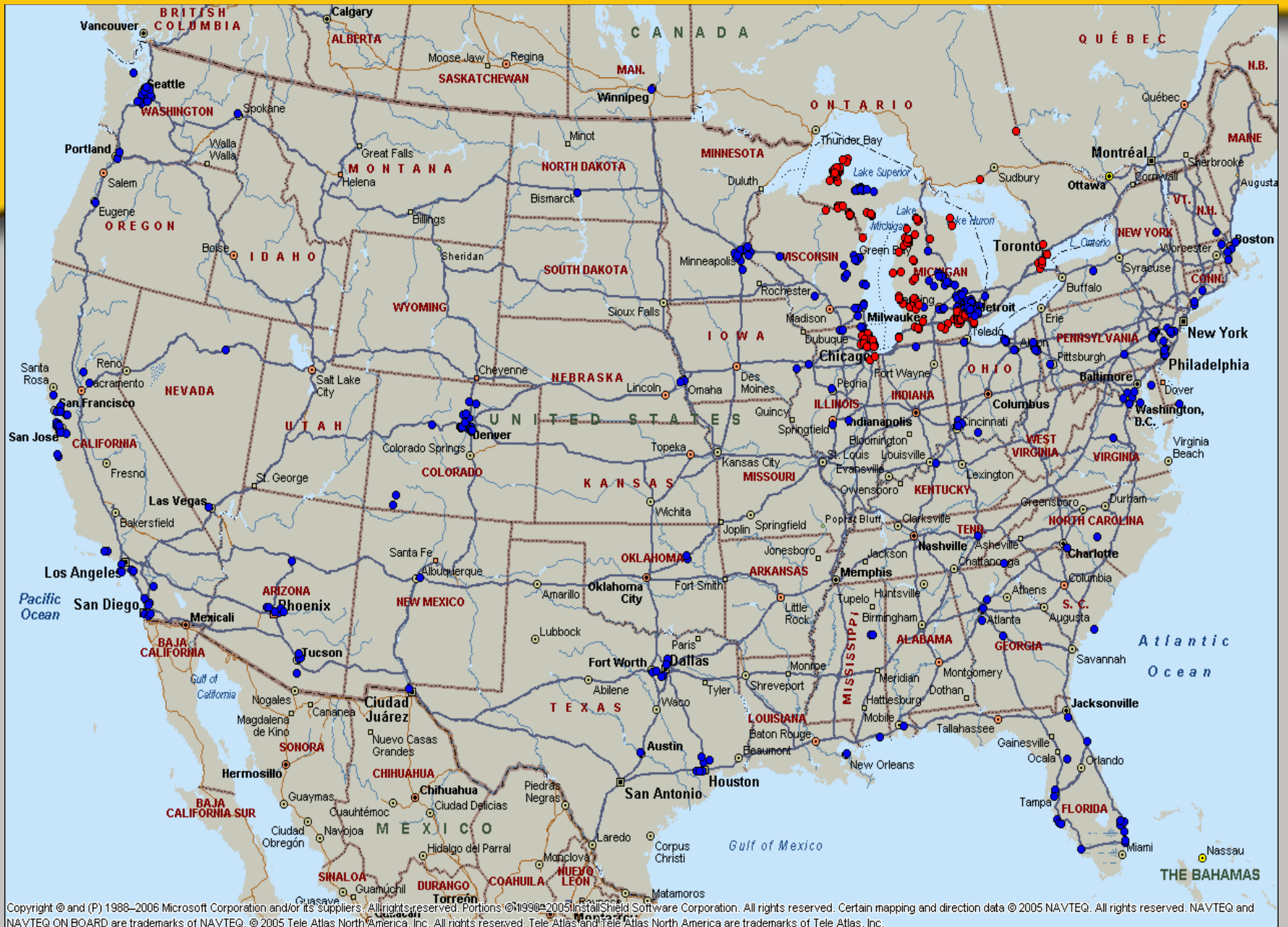
- Raise \$45M in campaign; emphasis endowment
- Increase sponsored awards to \$55M



## **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

# ***MichiganTech***

## **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