

Grand Valley State University Accountability Report 2008



Executive Summary

Accountability Report 2008 — Executive Summary

Higher education is a public good and not a private commodity. As such, the state of Michigan and its taxpayers invest in institutions of higher learning and expect accountability for that investment. Grand Valley State University is the sixth-largest of Michigan's 15 public institutions of higher education. The university is accountable to the state and to the students who invest time, money, and talent in Grand Valley.

The university is also accountable to its donors, whose gifts allow needed facility upgrades, endowments, and scholarships that directly affect students.

The eroding support from the state for its public universities is clear, and Michigan is at the very bottom when it comes to recent investment in higher education. Despite the challenges, Grand Valley shows an excellent return on all investments. Grand Valley's 2008 Accountability Report outlines seven major areas by analyzing outcomes, including the measurable successes of the academic programs, the appropriate use of resources, and the growing impact of the university on the regional and state economies.

Measures of Student Success:

The profile of incoming freshman is outstanding. They had the second highest average GPA in the state with 97% at 3.0 or higher. Their ACT scores are the fourth highest in the state.

Ten of the 12 programs that have graduates sit for licensure exams show a 92% - 100% pass rate. The remaining two show a pass rate in the top six.

The latest survey shows 98% of Grand Valley graduates are employed or in graduate school. Of those employed, 88% work in Michigan.

Access and Affordability Measures:

Grand Valley has balanced access and affordability with quality. Enrollment management is deliberate to insure reasonable tuition while maintaining high standards. Enrollment at Grand Valley has increased nearly 50% in ten years, while tuition increases are in the bottom half of all the state's public universities. Grand Valley serves the state — 96% of its students are Michigan residents.

Financial aid continues to increase; \$171 million is available to assist students earn their degrees. This brings the average net cost of attending Grand Valley down by \$2,400.

Diversity:

Grand Valley actively pursues and nurtures diversity among its community, believing that diversity is an intellectual asset. A diverse university community is integral to the overall success of the institution and its graduates. Minority enrollment figures show Grand Valley in the upper half of the state's public universities.

Partnership with the State:

Students at Grand Valley receive the lowest per student appropriation of all students attending Michigan's public universities. The financial challenges are clear when data shows the state of Michigan is in last place when it comes to increases in funding higher education during the last five years. The report notes that 80% of university revenues come from students and private funds while 20% come from the state. Grand Valley is second-lowest in receipt of state-funded classroom space.

Despite the challenges, Grand Valley has quantifiable benchmarks of ingenuity and responsible use of resources.

Efficiency Measures:

Grand Valley is a responsible steward of the resources it manages and shows operational efficiency. It's the sixth largest state university and serves its students with the fourth smallest faculty.

Grand Valley is a regional leader and national model for sustainability. Its climate and policies are a model for students as well. Ridership on the bus, provided free by the university, has increased by 1.5 million since 2004, resulting in savings of more than \$15 million each year.

Public/Private Partnership:

Grand Valley's current vitality is built upon a history of public vision and personal generosity. The extraordinary beauty and efficiency of campus facilities and the vibrancy and success of academic programs are in large part due to these partnerships. Careful management of endowments and scholarships bring tangible results to the university and its students.

Economic Development:

Grand Valley has a significant and continuing impact on Michigan's financial health. Its 26,000-member community pumps nearly \$560 million into the area economy.

Thousands of students work and learn in businesses around the state through internships that save area employers millions of dollars every year. There are more than 60,000 graduates of Grand Valley with the majority living and working in Michigan.

Top-notch faculty is attracting research projects to the state and exposing undergraduates to invaluable learning experiences. Grand Valley has two SmartZones, putting the university at the heart of job creation and innovation in the areas of alternative and renewable energy and the life sciences.

Growth at Grand Valley has benefited the area's businesses and employees. The university spent nearly \$92 million on new and remodeled facilities and created 2,300 trade and construction jobs during these 2008 projects.

Conclusion:

Grand Valley State University serves a highly motivated student body with superior faculty. The creative and talented administration and staff, augmented by a dedicated Board of Trustees, put the policies and direction in place that maximize support from the state and donors.

The result is a university moving the state in a positive direction by impacting its economy, environment, and social climate. That positive direction extends beyond limits because of students who graduate liberally educated and ready to shape their lives, their professions, and their societies.



Measures of Student Success

A university should be accountable for student successes during matriculation and after graduation.



Comparative Academic Statistics for New Students Admitted to Michigan Public Universities

Measures of Student Success

Median Composite ACT Score

U of M-Ann Arbor	29+
Michigan Tech	26+
Michigan State	25+
Grand Valley	24
U of M-Dearborn	24
Central	22
Northern	22
Oakland	22
U of M-Flint	22
Western	22
Eastern	21
Ferris	21
Saginaw Valley	21
Lake Superior	20
Wayne State	20

Source: 2009 *Barron's College Profiles*
+ Midpoint of College Board Handbook 2009 Range

Mid-50% ACT Score

U of M-Ann Arbor	27-31
Michigan Tech	23-28
Michigan State	23-27
Grand Valley	22-26
U of M-Dearborn	21-26
Northern	20-25
Western	20-25
Central	20-24
Oakland	19-24
U of M-Flint	19-24
Eastern	18-24
Ferris	18-24
Lake Superior	18-24
Saginaw Valley	18-24
Wayne State	17-24

Source: *College Board Handbook 2009*

GPA 3.0 or Higher

U of M-Ann Arbor	98%
Grand Valley	97%
Michigan State	94%
Michigan Tech	87%
U of M-Dearborn	85%
Central	79%
Western	68%
U of M-Flint	67%
Saginaw Valley	67%
Oakland	63%
Ferris	61%
Wayne State	59%
Lake Superior*	56%
Northern	56%
Eastern	54%

Source: College Board Handbook 2009
U of M-Ann Arbor Source: University Web site
* Most recently published data was Fall 2004 term

Fall 2007 Term
(unless otherwise noted)

Freshman to Sophomore Retention Rate

Measures of Student Success

University of Michigan - Ann Arbor	96%
Michigan State University	91%
Grand Valley State University	84%
Michigan Tech University	83%
University of Michigan - Dearborn	81%
Central Michigan University	76%
Western Michigan University	75%
Oakland University	73%
Eastern Michigan University	71%
University of Michigan - Flint	71%
Ferris State University	70%
Northern Michigan University	70%
Lake Superior State University	69%
Saginaw Valley State University	69%
Wayne State University	69%

Graduation Rates

Measures of Student Success

University of Michigan - Ann Arbor	88.3%
Michigan State University	74.3%
Michigan Tech University	63.5%
Central Michigan University	57.2%
Western Michigan University	53.6%
University of Michigan - Dearborn	52.9%
Grand Valley State University	52.4%
Northern Michigan University	47.9%
Oakland University	44.3%
Eastern Michigan University	38.8%
Lake Superior State University	37.6%
Ferris State University	37.2%
Saginaw Valley State University	36.1%
University of Michigan - Flint	34.8%
Wayne State University	32.4%

6-year rates
Source: IPEDS



Pass Rates of Graduates on Licensure Exams

Measures of Student Success

Program	Pass Rate	State or National Average
Clinical Lab Science	94%	N/A
Nursing-Graduate	100%	N/A
Physical Therapy	100%	98%
Physician Assistant Studies	100%	93%
Police Academy	100%	N/A
Therapeutic Recreation	96%	73%
Nursing-Undergraduate	92%	89%
Education	93%	90%
Engineering	92%	75%
Accounting-Graduate	78%	1st among 9
Accounting-Undergraduate	42%	6th among 28

Student Satisfaction

Measures of Student Success



- Freshmen picking GVSU as first choice, Fall 2008: 83.8%¹
- 97% of recent graduates give Grand Valley an overall rating of "Good" or "Excellent"²
- 85% of GVSU students said they were "Satisfied" or "Very Satisfied" with their overall academic experience, compared 79% of students at other participating 4-year colleges³

1: National Survey of Student Engagement 07 form

2: 2006 Survey of Graduates

3: 2007 Your First College Year survey

Employment and Placement After Graduation

Measures of Student Success

	2004-05	2005-06	2006-07
Graduates employed or in graduate school	98%	97%	98%
Employed in Michigan	92%	88%	88%



Access and Affordability Measures

A public university should be available to serve students from across the state. It should carefully review the applications of those qualified to attend and be affordable to those who enroll.



2008 Fall Enrollment

Access and Affordability Measures

Michigan State University	46,648
University of Michigan-Ann Arbor	41,028
Wayne State University	31,668
Western Michigan University	24,818
Central Michigan University	24,582
Grand Valley State University	23,892
Eastern Michigan University	21,926
Oakland University	18,169
Ferris State University	13,532
Saginaw Valley State University	9,837
Northern Michigan University	9,347
University of Michigan-Dearborn	8,569
University of Michigan-Flint	7,260
Michigan Tech University	7,018
Lake Superior State University	2,583



Source: IPEDS

Changes in Enrollment

Access and Affordability Measures

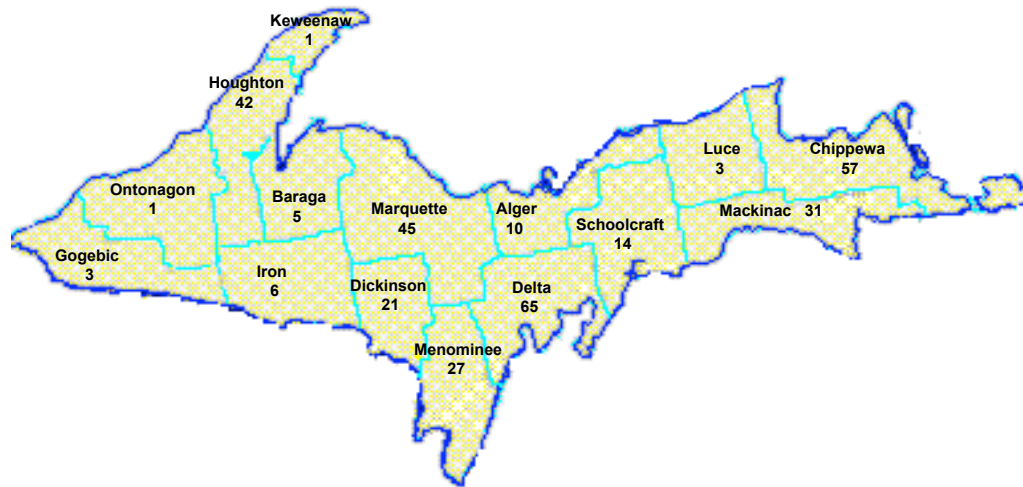


	10-year % change
Grand Valley State University	49.7
Ferris State University	38.2
Saginaw Valley State University	28.4
Oakland University	25.8
Northern Michigan University	19.3
Michigan State University	11.6
University of Michigan-Ann Arbor	9.8
Central Michigan University	8.7
Wayne State University	8.2
Michigan Tech University	6.6
University of Michigan-Flint	5.0
University of Michigan-Dearborn	3.3
Eastern Michigan University	-2.5
Western Michigan University	-6.6
Lake Superior State University	-15.6

Geographic Origin

Access and Affordability Measures

Fall Semester 2008



Michigan Residents	22,795
Other States	803
Other Countries	294
Total	23,892

Top 6 Counties:

- Kent
- Ottawa
- Oakland
- Wayne
- Muskegon
- Macomb



First-time Student Annual Tuition

Access and Affordability Measures

First-time Student Annual Tuition

U of M-Ann Arbor	\$11,037
Michigan Tech	\$10,707
Michigan State	\$10,264
Central	\$9,720
Ferris	\$9,000
U of M-Dearborn	\$8,506
Western	\$8,228
Grand Valley	\$8,196
Eastern	\$8,157
Wayne State	\$8,109
Oakland	\$8,055
Lake Superior	\$8,019
U of M-Flint	\$7,775
Northern	\$7,278
Saginaw Valley	\$6,492

10-year tuition change

Central	167.2%
Michigan Tech	158.5%
Northern	135.0%
Eastern	129.8%
Ferris	125.1%
Wayne State	118.7%
Western	110.9%
U of M-Flint	110.3%
Grand Valley	108.4%
Michigan State	108.2%
Oakland	107.8%
Lake Superior	103.2%
U of M-Dearborn	100.6%
Saginaw Valley	90.3%
U of M-Ann Arbor	81.0%
Average	115.4%

Fall 2008

Lower Division Undergrad
10-year Change



Financial Aid Available to GVSU Students

Access and Affordability Measures



Types of Financial Aid Available

Need-Based Grants	\$22,077,014
Merit Scholarships	\$31,990,735
Loans	\$115,833,837
Work Study	\$1,091,920
Total	\$170,993,506

2007-08

Institutional Financial Aid Commitment

	Amount	Increase
2005-06	\$15,636,961	24.23%
2006-07	\$19,301,757	22.77%
2007-08	\$22,210,043	15.70%
2008-09	\$22,914,205	3.17%

Net Cost of Tuition for Typical GVSU Student

Access and Affordability Measures



Tuition (2008-09)	\$8,196
Average Gift Aid	\$2,407
Average Net Cost	\$5,789

Diversity

An intellectual asset, a diverse student body and university community is essential to the success of the university and its graduates.



Minority Student Enrollment

Diversity

	Percent	Total
Wayne State University	35.5%	11,509
University of Michigan-Ann Arbor	22.7%	9,324
Michigan State University	16.1%	7,414
Eastern Michigan University	22.5%	5,144
Central Michigan University	15.6%	4,144
Western Michigan University	11.2%	2,742
Grand Valley State University	11.5%	2,710
Oakland University	13.5%	2,447
University of Michigan-Dearborn	18.5%	1,538
Ferris State University	11.2%	1,469
University of Michigan-Flint	16.8%	1,154
Saginaw Valley State University	9.4%	913
Northern Michigan University	5.4%	510
Lake Superior State University	16.0%	452
Michigan Technological University	5.0%	335



Female Student Enrollment

Access and Affordability Measures

	Total	Percent
Michigan State University	24,856	54.0%
University of Michigan-Ann Arbor	19,756	48.1%
Wayne State University	19,055	58.8%
Central Michigan University	15,586	58.6%
Grand Valley State University	14,409	61.4%
Eastern Michigan University	13,641	59.7%
Western Michigan University	12,718	52.1%
Oakland University	11,355	62.8%
Ferris State University	6,320	48.3%
Saginaw Valley State University	5,962	61.7%
Northern Michigan University	4,951	52.9%
University of Michigan-Flint	4,299	62.5%
University of Michigan-Dearborn	4,191	50.3%
Michigan Technological University	1,651	24.5%
Lake Superior State University	1,496	53.1%



Partnership with the State

A public university should have a predictable, dependable and sustainable relationship with state government.



Michigan Resident Undergraduate Headcount

Partnership with the State



Michigan State	31,925
Grand Valley*	20,416
Wayne State*	20,123
Central	19,636
Western	18,702
Eastern	17,345
U of M-Ann Arbor	16,754
Oakland	13,907
Ferris	11,364
Saginaw Valley	7,647
Northern	6,964
U of M-Dearborn	6,416
U of M-Flint	5,642
Michigan Tech	5,079
Lake Superior	2,758

*GVSU and WSU 2008 figures
All others Fall 2007

State Appropriations Per Student

Partnership with the State

	2004-05	2005-06	2006-07
Wayne State	9,015	8,507	8,510
Michigan Tech	8,466	7,841	8,073
U of M-Ann Arbor	8,407	7,901	7,938
Michigan State	7,083	6,687	6,683
Lake Superior	4,970	4,883	5,410
Northern	5,517	5,267	5,340
Western	4,759	4,710	4,979
Ferris	4,785	4,396	4,437
Eastern	4,204	4,055	4,177
U of M-Dearborn	4,086	3,963	4,151
U of M-Flint	4,262	4,090	4,021
Central	3,843	3,710	3,793
Saginaw Valley	3,522	3,534	3,564
Oakland	3,584	3,558	3,511
Grand Valley	3,076	3,059	3,019

Source: HEIDI
Note: No lag in FYES

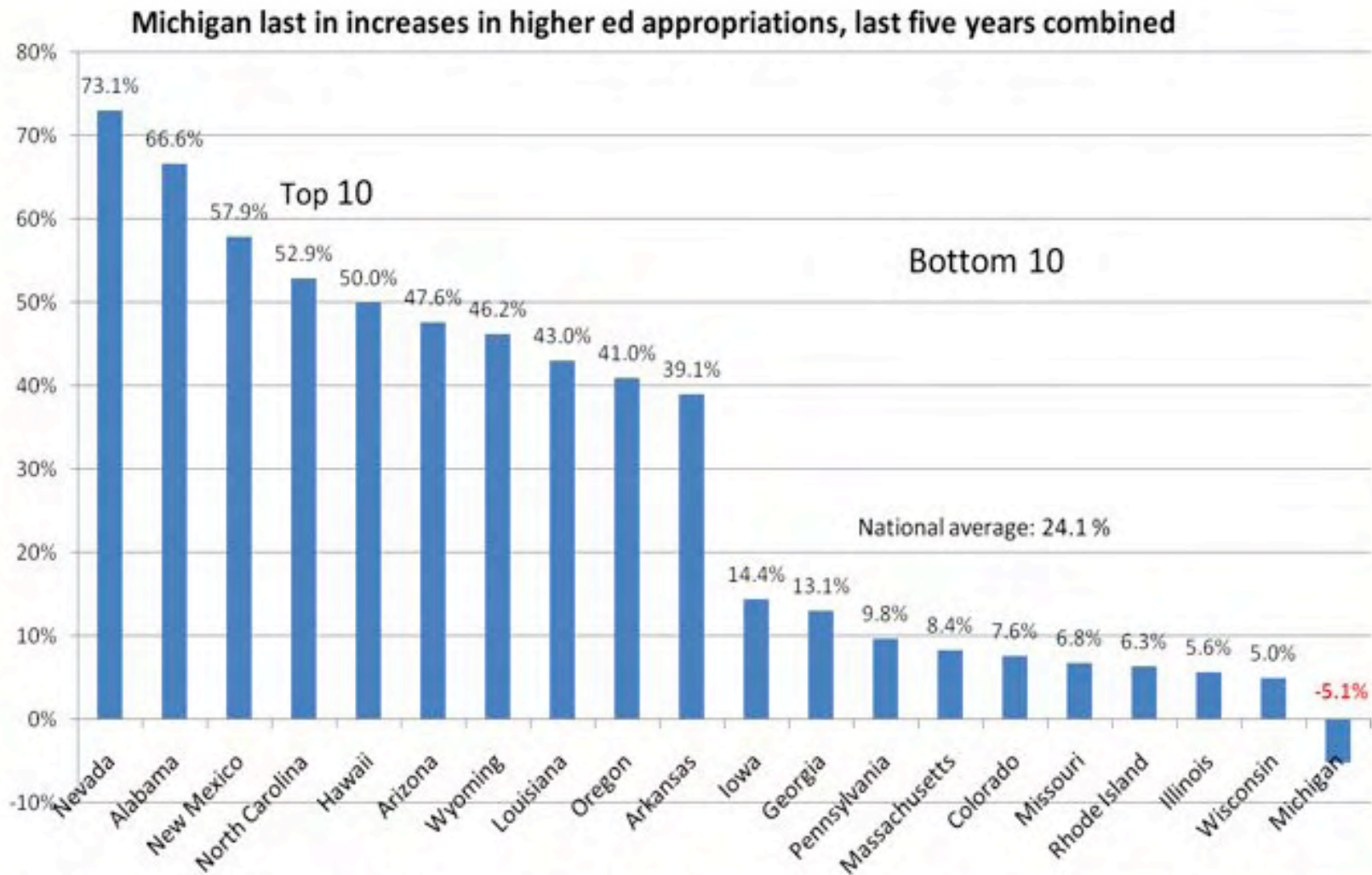
State Appropriation Per Degree

Partnership with the State

	Degrees & certificates Awarded 2006-07	State Appropriation 2006-07	Appropriation per degree / certificate	Rank
Wayne State University	5,470	\$216,822,300	\$39,638	1
Michigan Tech. University	1,285	\$48,501,100	\$37,744	2
University of Michigan Ann Arbor	10,856	\$320,156,000	\$29,491	3
Northern Michigan University	1,626	\$45,593,100	\$28,040	4
Michigan State University	10,797	\$287,127,000	\$26,593	5
University of Michigan Flint	1,125	\$21,151,100	\$18,801	6
Lake Superior State University	676	\$12,675,900	\$18,751	7
Western Michigan University	5,935	\$110,973,200	\$18,698	8
Saginaw Valley State University	1,632	\$28,052,100	\$17,189	9
Eastern Michigan University	4,524	\$76,955,400	\$17,010	10
Central Michigan University	4,931	\$80,994,600	\$16,426	11
Oakland University	3,212	\$51,378,000	\$15,996	12
Ferris State University	3,169	\$49,201,300	\$15,526	13
Grand Valley State University	4,361	\$62,603,400	\$14,355	14
University of Michigan Dearborn	2,011	\$25,027,400	\$12,445	15

Changes in State Higher Education Spending

Partnership with the State

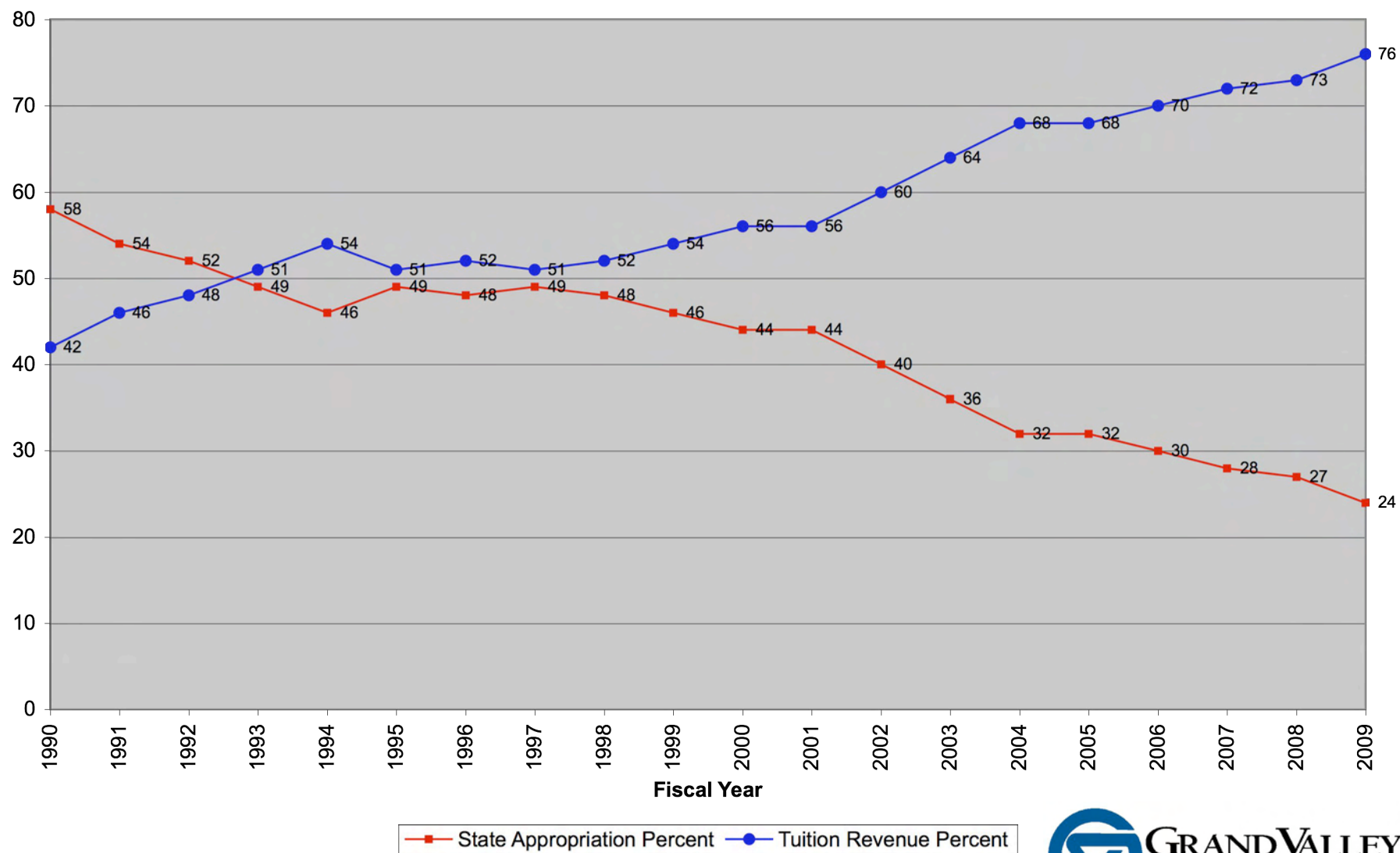


Growing states like Nevada, Alabama and North Carolina are stepping up investment in higher education

Ratio of State Aid vs. Tuition at Grand Valley

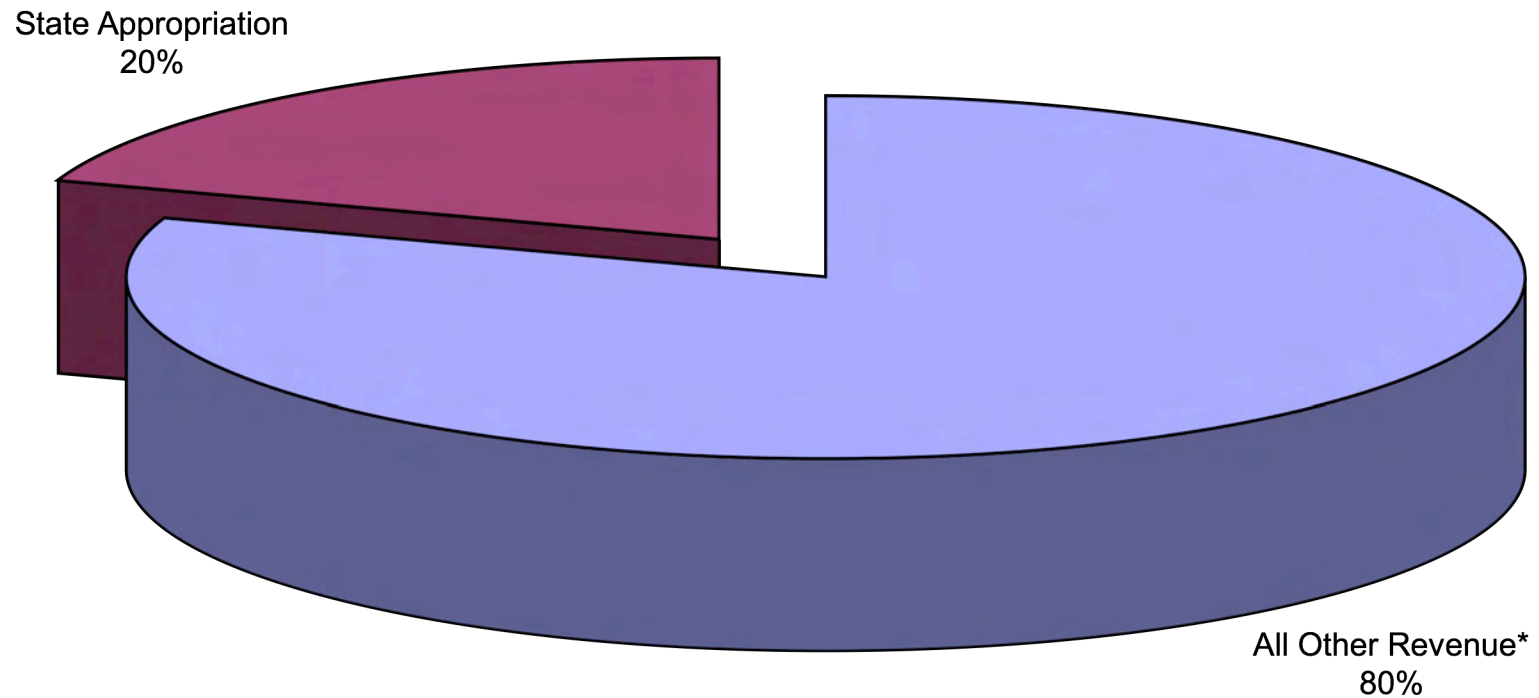
Partnership with the State

Appropriation vs. Tuition -- Percent of General Fund Budget



State Appropriation as a Percentage of Grand Valley Revenue

Partnership with the State



*2008-2009 Budget, Includes Tuition, Housing, and Auxiliary

Appropriation and Tuition Per Student

Partnership with the State



	2004-05	2005-06	2006-07
U of M-Ann Arbor	30,161	30,962	32,038
Michigan Tech	18,454	18,454	20,583
Wayne State	18,228	19,070	19,637
Michigan State	16,987	17,573	18,527
U of M-Dearborn	12,896	13,553	14,935
Ferris	13,013	13,101	13,651
Lake Superior	11,368	11,926	13,280
Western	11,479	12,450	13,230
Eastern	10,482	11,259	13,089
U of M-Flint	11,591	12,007	12,732
Northern	11,663	12,029	12,503
Central	10,201	10,786	11,815
Oakland	9,837	10,566	11,324
Grand Valley	10,013	10,317	10,908
Saginaw Valley	9,285	9,755	10,166
State Average	13,711	14,254	15,228

Michigan Higher Education Appropriations Ranked by State

Partnership with the State



FY 2007 Michigan state appropriations per student
National Rank = 38
Five year change = -24.9%

State-Funded Instructional Space

Partnership with the State

	2004-05	2005-06	2006-07
Michigan Tech	367	356	362
U of M-Ann Arbor	351	363	349
Lake Superior	309	312	342
Michigan State	329	324	320
Western	241	258	275
Wayne State	301	293	266
U of M-Flint	278	270	262
U of M-Dearborn	196	199	251
Northern	238	239	239
Saginaw Valley	168	169	171
Eastern	144	156	169
Central	144	144	161
Ferris	165	157	157
Grand Valley	117	116	113
Oakland	114	110	107
State Average	244	246	236

Square feet per student
Source: HEIDI

Efficiency Measures

A public university should be a careful steward of the funds it receives, whether from donors, taxpayers, or students and their families.



Grand Valley's new Niemeyer Learning and Living Center is built to LEED specifications

Average Number of Students per Faculty

Efficiency Measures

Michigan State University	12.8
Michigan Tech University	13.0
University of Michigan - Ann Arbor	13.1
Western Michigan University	13.1
Lake Superior State University	13.5
Wayne State University	13.5
Ferris State University	15.4
University of Michigan - Dearborn	15.9
University of Michigan - Flint	16.6
Eastern Michigan University	17.2
Central Michigan University	17.9
Grand Valley State University	19.3
Saginaw Valley State University	19.7
Oakland University	20.7
Northern Michigan University	21.3



Environmental Sustainability

Efficiency Measures

Water

- Since eliminating trays in the Fresh Food Company, Campus Dining reduced food waste by 960 pounds of food per week — or 28 pounds of food waste per customer annually. Weekly, the change has saved 1,040 gallons of water, 15 pounds of detergent and 15 gallons of sanitizer.

Fuel

- Bus ridership has increased from fewer than 40,000 rides per month in 2002 to more than 275,000 rides per month in 2007. A record number of students — 18,856 — rode the bus the first day of classes in 2008-09. In the first week of classes, a record 87,800 students rode the bus, up by nearly 30 percent from the same time the previous year.

Energy

- The new Niemeyer Learning and Living Center and Laker Turf buildings were built to the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) standards. Muskegon's MAREC is certified LEED Gold; Lake Ontario Hall is certified LEED Silver; and Kennedy Hall of Engineering is also LEED certified. LEED certification is pending for renovations and additions to Kirkhof Center and Mackinac Hall. The university is also pursuing LEED certification for its entire Allendale Campus.

Initiative

- GVSU has signed the AASHE President's Climate Agreement, which is a high-visibility effort on part of institutions of higher education to neutralize greenhouse gas emissions that is beginning to set the pace for Grand Valley to lower its carbon footprint. The university also signed the Talloires Declaration, an official statement of commitment to environmental sustainability in higher education.

Recognition

- Grand Valley was honored by the U.S. Green Building Council for its campus-wide sustainability programs, and it was the only Michigan school listed in the *Kaplan College Guide 2009* as one of 25 "cutting-edge green" colleges and universities.



The new Niemeyer Learning and Living Center features a green vegetative roof

Bus Ridership Saves Students \$15 million annually

Efficiency Measures



Year	Riders	Miles saved	Saved auto operating costs	Gallons of gas saved	Saved fuel costs
2004-2005	445,986	5,797,818	\$2,174,182	289,891	\$588,479
2005-2006	684,746	8,901,698	\$3,597,227	445,085	\$1,268,492
2006-2007	1,651,816	21,473,608	\$8,696,811	1,073,680	\$3,059,989
2007-2008	1,977,339	25,705,407	\$11,567,433	1,285,270	\$4,048,602

Public-Private Partnership

A public university must foster and maintain public/private partnerships with the communities in which its campuses are located. It must be a worthy and productive recipient of grants and gifts and in return be a vital part of the community.



Shaping the Future Comprehensive Campaign

Public-Private Partnership

Grand Valley's first-ever comprehensive campaign is called "Shaping our Future." It aims to raise \$50 million through private gifts. This critical initiative seeks funding for multiple capital and endowment priorities at Grand Valley. As of October 2008, the campaign is two-thirds of the way to that goal.

Grand Valley's top priority continues to be a new library. The current Zumberge Library was built in Allendale to serve about 5,000 students. Grand Valley plans to replace it with a new kind of library for the information age, offering the university's 24,000 students the tools they need to build their own futures and contribute to the overall economy of the region.

The Mary Idema Pew Library Learning and Information Commons proposed for the Allendale Campus will cost \$70 million, with \$30 million coming from private funds and the remaining \$40 million being sought from state appropriations. As of October, 2008, \$17.2 million in private donations has already been raised.

In addition to the library, the \$50 million campaign targets funds for student scholarships, faculty chairs and academic support, endowments for the Hauenstein Center for Presidential Studies and the Dorothy A. Johnson Center for Philanthropy and Nonprofit Leadership, along with support for the Movement Sciences and Indoor Recreation (Laker Turf) Building and the John C. Kennedy Hall of Engineering in Grand Rapids.

All of the members of Grand Valley's Board of Trustees have given to the project. The board hopes to reach the \$50 million goal by Grand Valley's 50th anniversary in 2010-11.



Kennedy Hall and Laker Turf

Public-Private Partnership

The \$16 million John C. Kennedy Hall of Engineering in Grand Rapids was built through a public-private partnership. It expands the opportunities for engineering students to earn the technical expertise, real-world understanding and independent thinking that will continue Michigan's tradition of innovation and move the region's economy into the future. The 52,000-square-foot building contains 21 cutting-edge labs, several specialty classrooms, office space and a multitude of unique energy-saving features.

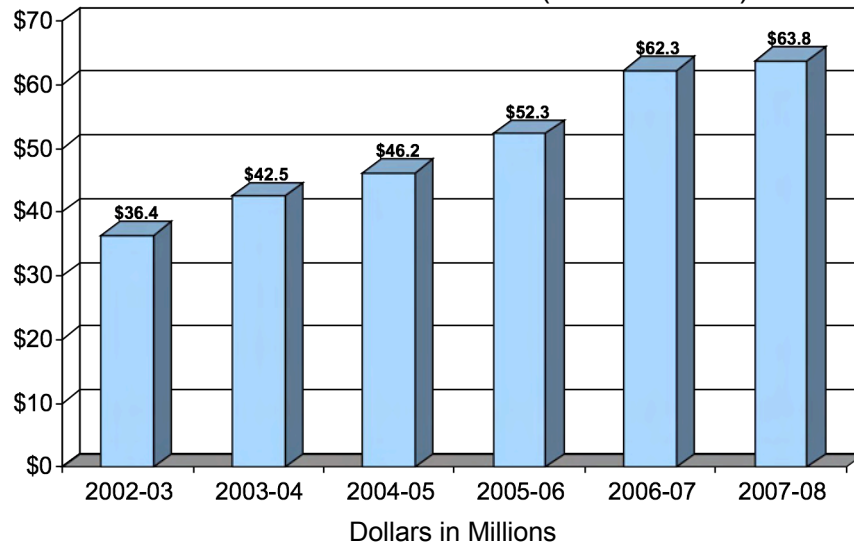


In another public-private partnership, the \$18 million Laker Turf Building was designed to provide more instructional and recreational opportunities for Grand Valley's student population. The 138,000-square-foot facility features classrooms as well as indoor practice space for football, track and field, golf, soccer, baseball and softball teams. It also offers increased fitness and recreation space for students, faculty and staff.

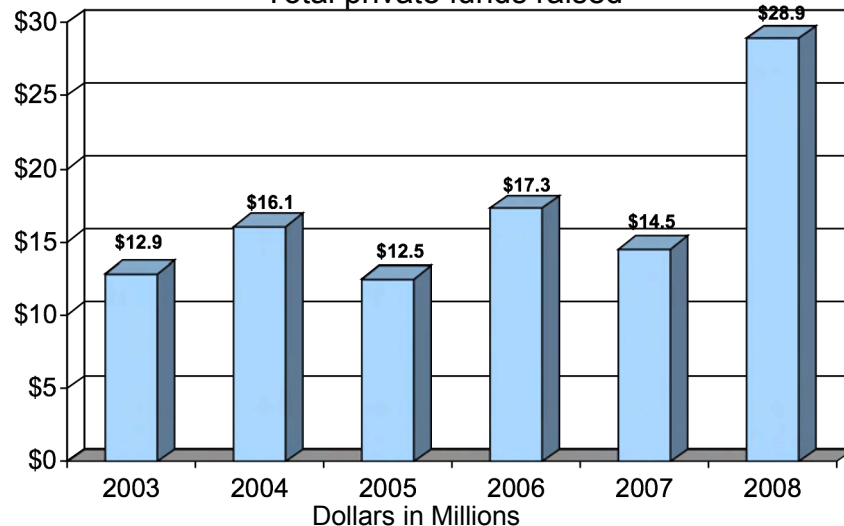
Gifts to Grand Valley Growing

Public-Private Partnership

Endowment Fund Growth (Market Value)



Total private funds raised



Endowment

Grand Valley's endowment reached \$63.8 million by June 30, 2008, the end of the fiscal year, despite challenging economic conditions. Growth came from progress in separate endowment campaigns for the Johnson Center for Philanthropy, Hauenstein Center for Presidential Studies, and the Sylvia and Richard Kaufman Interfaith Institute. Support for students grew as well; 17 new scholarships and 7 other endowed funds were established this year. In 2008, Grand Valley established its third endowed chair — James R. Sebastian Endowed Chair in Engineering Cooperative Education and Educational Development. That chair joins the Stuart and Barbara Padnos Chair in Art and Design and the Frey Foundation Chair in Family Foundations and Philanthropy. Each of Grand Valley's endowed chairs provide perpetual academic support. They are a statement of the value that donors place on Grand Valley's teaching, and of the confidence that the university can teach effectively in diverse areas of learning.

Private Giving

Grand Valley raised a record-setting \$28.9 million in private funds in fiscal year 2008. This growth is in response to leadership gifts for the Shaping Our Future comprehensive campaign as well as growth in giving from community friends, corporations, foundations, alumni, parents, faculty and staff, and students.



Economic Development

A public university should be an integral part of economic and job creation in its region and statewide. Its activities should enhance the communities in which its campuses are located.



Income Tax Remittances by GVSU Employees

Economic Development



Year	Grand Rapids	Muskegon	Michigan
2003	\$337,180	\$10,103	\$3,619,709
2004	\$376,547	\$12,357	\$3,788,330
2005	\$407,188	\$12,697	\$3,975,229
2006	\$426,650	\$13,164	\$4,244,533
2007	\$488,948	\$13,006	\$4,623,799

Source: GVSU Payroll Office



- Grand Valley's more than 26,000 students, faculty and staff made a total estimated impact of more than \$559.8 million in Kent, Ottawa, and Muskegon counties during fiscal year 2006-2007.
- In 2006-07, more than 5,200 students participated in internships, practica, and student teaching, potentially saving area employers \$20 million. During the 2007-08 school year, Grand Valley students engaged in 54,143 hours of volunteer service work.
- Total estimated employment attributed to GVSU: 9,226

Economic Impact of Grand Valley Alumni

Economic Development



Alumna Pennie Johnson is an attorney at Varnum, Riddering, Schmidt and Howlett, LLP

Grand Valley alumni now top more than 64,000, with the majority living and working in Michigan

Top 15 Employers of Grand Valley Alumni:

- Spectrum Health
- Grand Valley State University
- St. Mary's Health Systems
- Grand Rapids Public Schools
- Hope Network
- Foremost Insurance
- Zeeland Public Schools
- United States Armed Services
- Target Corp.
- Rockford Public Schools
- Gordon Food Service
- Forest Hills Public Schools
- Ernst & Young
- Chase Bank
- BDO Seidman

Source: Career Services

Sponsored Projects and Research

Economic Development

From the environment to health to business, Grand Valley State University researchers are engaged in more **69 research projects** worth more than **\$14.8 million** in grant funding. Projects include:

- The National Science Foundation awarded a three-year grant totaling nearly \$460,000 to support undergraduate research in biochemistry and a \$100,000 grant to the Annis Water Resources Institute to research sinkholes in Lake Huron.
- The state awarded the Annis Water Resources Institute \$60,000 to track sources of E. coli in Grand Traverse Bay and Saginaw Bay.
- Engineering and statistics faculty members received support totaling \$350,346 from the Michigan-Ohio University Transportation Center with funding provided by the U.S. Department of Transportation, the Michigan Department of Transportation, and Grand Valley State University for a project titled "Congestion Relief by Travel Time Minimization in Near Real Time" that is finding ways to avoid congestion due to traffic accidents and other incidents by using computer re-routing models combined with the analysis of voluminous data collected by intelligent transportation systems.
- The American Heart Association awarded an engineering professor a \$260,000 National Scientist Development Grant to study heart rate variability and its contribution to the development of lethal cardiac arrhythmias.
- The Michigan Department of Transportation (MDOT) has provided a grant to a research team of faculty from the Seidman College of Business to quantify the passenger and community benefits that result from cities having an Amtrak station and service.
- The Michigan Small Business & Technology Development Center was the recipient of five grants in 2008., including a \$3 million U.S. Small Business Administration award to counsel, train, and conduct market research for Michigan's small businesses, serving all 83 countries. The Michigan Economic Development Corporation (MEDC) awarded the SBTDC three grants totaling \$1.3 million, to provide commercialization assistance for technology based companies, to manage a statewide virtual incubator for small businesses, and to counsel, train, and conduct market research for traditional small businesses in Michigan. The MI-SBTDC also received a \$1.4 million Emerging Technologies Fund award from the state, enabling the provision of matched dollars to small businesses who are awarded federal Small Business Innovation Research grants.
- The Michigan Initiative for Innovation & Entrepreneurship awarded grants totaling \$114,738 with a goal of creating new Michigan start-up companies while fostering an atmosphere of entrepreneurship on campus.
- The Kirkhof College of Nursing received \$215,000 in grants during the 2007-08 academic year. Research projects include testing fatigue countermeasures and their impact on hospital nurses, and studying how elderly people navigate through familiar and unfamiliar environments.
- GVSU's Pew Faculty Teaching and Learning Center funded 273 grants, totaling \$252,658. The projects include a School of Engineering proposal to develop a holistic and integrated approach to teaching manufacturing processes, and a chemistry department proposal to develop curriculum for a proposed bachelor's degree program in pharmacology.

Grand Valley is home to two SmartZones — the West Michigan Science and Technology Initiative in Grand Rapids and the Michigan Alternative and Renewable Energy Center in Muskegon. Recent developments include:

- MAREC's opening of a \$2.7 million manure-to-electricity plant at a dairy farm in Ravenna. One outcome is that Reynolds Inc., is partnering with the Austrian firm Entec Biogas GmbH, which developed the technology for the biodigester plant. The companies launched a new division, based at MAREC, that hopes to build more of these plants in the U.S.
- MAREC's executive director Imad Mahawili invented a small, inexpensive wind turbine that could revolutionize home and commercial power generation and create West Michigan manufacturing jobs. Measuring 36 inches in diameter and with a retail cost of around \$2,000, the device will be sold at home improvement stores and generate up to 20 percent of the average home's electricity.
- WMSTI secured a \$130,000 NASA grant for the Biotechnology Commercialization Project
- The Michigan Initiative in Innovation and Entrepreneurship awarded WMSTI a \$115,000 grant for New Antimicrobial Reagents
- Of the 21 jobs in WMSTI's business incubator, nearly half of those are GVSU graduates, interns, or faculty
- A company has announced its intention to purchase one of WMSTI's tenants, CMM, and bring more than 500 jobs to the region by 2013



Value of Grand Valley Construction in 2008

Economic Development



2008 Projects

Ottawa County: \$90,161,000

Kent County: \$1,240,000

Muskegon County: \$500,000

TOTAL: \$91,901,000

Nearly 2,300 jobs were created for the construction of these 13 projects