## MEMORANDUM

Date: May 2, 2006
то: House Appropriations Subcommittee on Higher Education
from: Kyle I. Jen, Senior Fiscal Analyst
RE: FY 2006-07 State University Funding Model

This memo provides a technical explanation of the funding model used to determine FY 2006-07 state university operations funding amounts under House Bill 5871 (H-1) Draft A-the House subcommittee substitute for the FY 2006-07 Higher Education budget. The budget bill includes language (section 418) describing the funding model. Attached are a flowchart illustrating the methodology for distributing funds under the model and a four-page spreadsheet detailing the calculations made to determine state university funding amounts under the model.

The first section below identifies only changes from the enacted version of the FY 2005-06 state university funding model. The remaining sections provide a full description of the FY 2006-07 funding model methodology.

## Changes from FY 2005-06 Funding Model

The enacted FY 2005-06 Higher Education budget included language describing a state university funding model used to determine university payment amounts for July and August 2006 (section 418, article 8, Public Act 154 of 2005). The proposed FY 2006-07 funding model is very similar to that model. The FY 2006-07 model incorporates updated enrollment, degree completion, and research data for the most recent year available-FY 2004-05 for the enrollment and degree data and FY 2002-03 for the research data.

The model includes a set of factors/weights that are used to calculate per-unit funding amounts based on the total amount of funding allocated under the model. The only change to these factors/weights is that math degrees and education degrees in math-, science-, technical-, and special-educationrelated subareas are removed from the General program category and added to the Natural Science program category-increasing the weight applied to those degrees from 1.0 to 2.0.

There are also two adjustments made to the data utilized in the model. First, degree completions resulting solely from instructional activity occurring outside the state are excluded from the data utilized in the model. This is consistent with the definition used for the enrollment data utilized in the model. Under this adjustment, 1,281 master's degrees are removed from the data reported by Central Michigan University. Second, the amount of federal science- and engineering-related obligations matched under the model for the University of Michigan-Ann Arbor is adjusted upward consistent with intent language included in FY 2005-06 budget language. (See the "Research-Based Component" section of this memo for further details.)

The total amounts of funds initially allocated under the model reflects a 2.0 percent increase from total year-to-date state university funding. Under the FY 2005-06 funding model, the total funds initially allocated were effectively flat from year-to-date university funding at the time the model was released.

Finally, the percentage limits on increases and decreases from current year-to-date amounts are set at 4.0 percent and 2.0 percent, respectively. The original House-passed version of the FY 2005-06 model had set a limit of 5.0 percent for both increases and decreases from FY 2005-06 Executive Recommendation amounts. The enacted version of the FY 2005-06 model set a limit of 10.0 percent for increases on a full-year basis (effectively 1.8 percent when applied only to July and August); universities showing decreases under the enacted version of the FY 2005-06 model were effectively held harmless.

## Initial Funding Allocations

The total funding initially allocated to the 15 state universities under the model is $\$ 1,448,228,700$. This total is exactly equal to total state university funding proposed in the Executive Recommendation for the FY 2006-07 Higher Education budget and reflects a $2.0 \%$ increase from current FY 2005-06 year-to-date state university funding.

These funds are allocated to three funding components:

- Enrollment-based component: 37.5 percent ( $\$ 543.1$ million) is allocated to an enrollment-based component under which the universities receive a base per-student funding amount, with resident students and nonresident undergraduate students funded at a higher level than nonresident graduate students.
- Degree-based component: 37.5 percent ( $\$ 543.1$ million) is allocated to a degree-based component under which the universities receive a funding amount that varies by academic level and program category for each reported degree completion.
- Research-based component: 25.0 percent ( $\$ 362.1$ million) is allocated to a research-based component under which the universities receive matching funds for science- and engineeringrelated funds awarded to them by the federal government.

These three components are described in greater detail below.

## Enrollment-Based Component

This component is calculated based on FY 2004-05 fiscal year-equated student (FYES) data from the Higher Education Institutional Data Inventory (HEIDI), a database maintained by the State of Michigan. The FYES measure is a calculated equivalent of the number of full-time students at each university. At the undergraduate level, FYES is equal to student credit hours divided by 30 ; the calculation differs for the three levels of graduate instruction. The residency definition used in reporting data to HEIDI is based on the residency policies adopted by the individual universities to determine tuition status.

Under the funding model, the funding amount per nonresident graduate FYES is set at 75.0 percent of the funding amount per resident FYES or nonresident undergraduate FYES. Given this condition and the amount of funds allocated for the enrollment-based component, the funding amount per resident FYES or nonresident undergraduate FYES is $\$ 2,197$ and the funding amount per nonresident graduate FYES is $\$ 1,648$. Under the FY 2005-06 enacted model, these amounts were $\$ 2,150$ and $\$ 1,613$, respectively.

## Degree-Based Component

This component is based on FY 2004-05 degree completion data initially reported to the federal Integrated Postsecondary Education Data System (IPEDS) and subsequently included in the HEIDI database. The funding amount awarded for each degree completion at a university varies based on the academic level and program category of the degree. As noted above, degree completions resulting solely from instructional activity occurring outside the state are excluded from the data utilized in the model.

The weights by academic level are as follows:

- 0.25 for an associate's degree
- 1.00 for a bachelor's degree
- 0.25 for a master's or doctoral degree
- 0.50 for a professional degree

The weights by program category are as follows:

- 1.00 for a degree in a general area
- 2.00 for a degree in a natural science- or math-related area or an education degree in a math-, science-, technical, or special education-related subarea
- 4.00 for a degree in an engineering- or technology-related area
- 4.00 for a degree in a health-related area

A table showing the assignment of degree program areas to the four broader categories is attached.
These weights are multiplied in sequence-so, for example, a bachelor's degree in a general area ( 1.00 times 1.00 equals 1.00 ) would have the same final weight as a master's degree in engineering ( 0.25 times 4.00 equals 1.00). Given these weights and the amount of funds allocated for this component, the base amount for a bachelor's degree in a general field is equal to $\$ 7,076$. Under the FY 2005-06 enacted model, this amount was $\$ 7,039$.

## Research-Based Component

This component is based on a two-year average of data from the National Science Foundation (NSF) on federal obligations to institutions of higher education for research and development and other science- and engineering-related purposes. The data are based on an annual survey of federal agencies conducted by NSF. The most recent data available are for FY 2002-03, so the two-year average is calculated using FY 2001-02 and FY 2002-03 data. The survey reports a single amount for obligations to the University of Michigan; under the funding model, the obligations are allocated to the university's three campuses (Ann Arbor, Dearborn, and Flint) in proportion to FY 2004-05 current fund expenditures for research at the three campuses using expenditure data from HEIDI.

Under the enacted version of the FY 2005-06 state university funding model, the amount that a university could receive under this component was capped at 40.0 percent of the total funds allocated to the component. Only the University of Michigan-Ann Arbor was directly affected by this cap. Language was included in the FY 2005-06 budget article stating that, if the funding model were used to determine university appropriation amounts in future fiscal years, it was the intent of the Legislature that any future increases in reported federal obligations for a university receiving a capped amount in fiscal year 2005-06 be eligible for increased funding under the funding model.

Consistent with this intent, the FY 2006-07 model increases the amount of federal obligations effectively matched under the model for UM-Ann Arbor by the percentage increase in the university's two-year average obligations from FY 2000-01/2001-02 to FY 2001-02/2002-03. This percentage increase was 9.6 percent. Because the increase in the two-year average of total federal science- and engineering-related obligations for the 15 state universities was also 9.6 percent, UMAnn Arbor's share of the total funds allocated to the research component remains at 40.0 percent.

An attached spreadsheet shows the calculations made to determine the data for this component. Given the treatment of UM-Ann Arbor's federal obligation figure and the amount of funds allocated for this component, the matching rate for federal obligations is 78.2 percent. This figure is lower than the FY 2005-06 matching rate of 83.7 percent because the amount of funds being matched increased at a higher rate than the amount of funds allocated to the component.

## Total Funding Amounts

The total initial funding amount for each university is equal to the sum of the amounts allocated to that university under each of the three funding components. The total amount of funds allocated to the 15 universities is equal to the total funding amount initially allocated under the model. There are significant differences between the unadjusted funding amounts determined by the model and FY current 2005-06 funding amounts on a university-by-university basis. In dollar terms, the differences range from a positive $\$ 16.8$ million (Grand Valley State) to a negative $\$ 39.7$ million (Wayne State). In percentage terms, the differences range from a positive 31.9 percent (UM-Dearborn) to a negative 26.9 percent (Northern Michigan).

These differences are moderated by limiting both increases and decreases from the current FY 200506 funding amounts. Increases are limited to 4.0 percent, and decreases are limited to 2.0 percent.

After imposition of these limits, funding is 4.0 percent higher than FY 2005-06 amounts for eight universities: Central, Ferris, Grand Valley, Oakland, Saginaw Valley, UM-Dearborn, UM-Flint, and Western. Four other universities show increases from FY 2005-06 amounts ranging from 1.9 to 3.6 percent. Three universities-Lake Superior State, Northern Michigan, and Wayne State-show 2.0 reductions from FY 2005-06 amounts.

The net increase in state university funding from FY 2005-06 following the percentage limits is $\$ 35.2$ million, which is $\$ 6.8$ million higher than the amount initially allocated under the model.

Following the calculation of state university funding amounts under the funding model, two additional positive adjustments to university appropriations are included in the House subcommittee substitute:

- $\$ 3.2$ million to provide $\$ 3,000$ per Indian Tuition Waiver reported by each university for FY 2004-05
- $\$ 600,000$ for Northern Michigan University's costs of operating the Superior Dome

An attached summary spreadsheet for the House subcommittee substitute version of the budget shows the final proposed funding amounts for each university after these two additional adjustments.

Please call if you have questions or would like additional information on this topic.

Attachments (5)
c: Mitch Bean, HFA Director
Mary Ann Cleary, HFA Associate Director Key Staff

HIGHERED $\backslash$ MODEL0 $7 \backslash$ house sub $\backslash$ funding model memo house sub.doc

## State University Funding Model

FY 2006-07: House Subcommittee Substitute


## FY 2006-07 State University Funding Model

## AS PROPOSED IN HOUSE SUBCOMMITTEE SUBSTITUTE

Math degrees and education degrees in math/science/technical/special education subareas added to Natural Science category

| University | Enrollment-Based Component |  |  |  |  | Degree-Based Component (FY 2004-05 Degree Data) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | FY 2004-05 <br> Resident FYES <br> + Nonresident Undergrad FYES | Funding per FYES @ \$2,197 | FY 2004-05 Nonresident Graduate FYES | Funding per FYES @ \$1,648 | TotalEnrollment-BasedFunding | Funding perDegree @General$\$ 1,769$ |  | Nat Sci/Math/ Educ (Math/ Sci/Spec Ed) | AsFunding perDegree @$\$ 3,538$ | ssociate's |  |
|  |  |  |  |  |  |  |  | Engineering/ Technology |  | $\begin{gathered} \hline \text { Funding per } \\ \text { Degree @ } \\ \$ 7,076 \end{gathered}$ |
| Central | 21,047 | 46,249,038 | 384 | 632,856 | 46,881,894 | 0 | 0 |  |  | 0 | 0 | 0 |
| Eastern | 18,621 | 40,918,544 | 326 | 537,713 | 41,456,257 | 0 | 0 |  | 0 | 0 | 0 |
| Ferris | 10,453 | 22,969,601 | 95 | 156,566 | 23,126,167 | 22439 | 96,268 |  | 35,381 | 360 | 2,547,439 |
| Grand Valley | 19,353 | 42,526,613 | 47 | 77,459 | 42,604,072 | 0 | 0 |  | 0 | 0 | 0 |
| Lake Superior | 2,591 | 5,693,508 | 0 | 0 | 5,693,508 | $55 \quad 97$ | 97,298 |  | 56,610 | 16 | 113,220 |
| Michigan State | 40,691 | 89,415,100 | 1,145 | 1,887,032 | 91,302,132 | 0 | 0 |  | 0 | 0 | 0 |
| Michigan Tech | 5,932 | 13,034,177 | 0 | 0 | 13,034,177 | 1 | 1,769 |  | 3,538 | 26 | 183,982 |
| Northern | 8,417 | 18,495,660 | 7 | 11,536 | 18,507,196 | 69 12 | 22,065 |  | 0 | 37 | 261,820 |
| Oakland | 13,746 | 30,205,696 | 88 | 145,030 | 30,350,725 | 0 | 0 |  | 0 | 0 | 0 |
| Saginaw Valley | 7,628 | 16,762,161 | 21 | 34,197 | 16,796,359 | 0 | 0 |  | 0 | 0 | 0 |
| UM-Ann Arbor | 32,058 | 70,444,798 | 7,253 | 11,953,400 | 82,398,198 | 0 | 0 |  | 0 | 0 | 0 |
| UM-Dearborn | 6,076 | 13,351,506 | 151 | 248,857 | 13,600,364 | 0 | 0 |  | 0 | 0 | 0 |
| UM-Flint | 4,920 | 10,811,292 | 21 | 34,609 | 10,845,902 | 0 | 0 |  | 0 | 0 | 0 |
| Wayne State | 23,787 | 52,268,862 | 1,167 | 1,922,465 | 54,191,328 | 0 | 0 |  | 0 | 0 | 0 |
| Western | 23,180 | 50,935,689 | 826 | 1,361,794 | 52,297,484 | 0 | 0 |  | 0 | 0 | 0 |
| TOTAL | 238,499 | 524,082,247 | 11,531 | 19,003,516 | 543,085,763 | 34961 | 17,400 |  | 95,529 | 439 | 3,106,461 |
| Total Model \$ | 1,448,228,700 |  |  | Nonresident <br> Graduate $\%$ <br> $75.0 \%$ |  | Degree Funding Level | Weight |  | am Category |  |  |
|  |  |  |  |  |  | Associate's |  | 0.25 |  | 1.00 |  |
| \% Enrollment | 37.5\% | 543,085,763 |  |  |  | Bachelor's |  | 1.00 | ci/Math/Educ | 2.00 |  |
| \% Degrees | 37.5\% | 543,085,763 |  |  |  | Master's/Doctoral |  | 0.25 | h/Sci/Spec Ed) |  |  |
| \% Research | 25.0\% | 362,057,175 |  |  |  | Professional |  | 0.50 | eering/Tech | 4.00 |  |
|  |  |  |  |  |  | Base Amount |  | 7,076 |  | 4.00 |  |

## Data Sources/Notes

(1) Fiscal Year Equated Students (FYES): HEIDI (HEIDI residency definition based on tuition rate paid at individual universities)
(2) Degrees granted: IPEDS via HEIDI (degrees from out-of-state instruction removed from data)
(3) Federal science/engineering-related obligations: National Science Foundation (average of FY 2001-02 and 2002-03 data; UM figure allocated among three campuses based on FY 2004-05 current fund research expenditures)

Degree-Based Component (FY 2004-05 Degree Data)

| Bachelor's |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| University | Health | Funding per Degree @ $\$ 7,076$ | General | $\begin{gathered} \hline \text { Funding per } \\ \text { Degree @ } \\ \$ 7,076 \end{gathered}$ | Nat Sci/Math/ Educ (Math/ Sci/Spec Ed) | Funding per Degree @ \$14,152 | Engineering/ Technology | $\begin{gathered} \text { Funding per } \\ \text { Degree @ } \\ \$ 28,305 \end{gathered}$ | Health | Funding per Degree @ $\$ 28,305$ | General | Funding per Degree @ \$1,769 |
| Central | 0 | 0 | 2,646 | 18,723,679 | 441 | 6,241,226 | 237 | 6,708,257 | 225 | 6,368,598 | 1,030 | 1,822,127 |
| Eastern | 0 | 0 | 2,112 | 14,944,977 | 362 | 5,123,184 | 258 | 7,302,659 | 191 | 5,406,232 | 906 | 1,602,764 |
| Ferris | 250 | 1,769,055 | 864 | 6,113,854 | 92 | 1,302,025 | 361 | 10,218,062 | 95 | 2,688,964 | 82 | 145,063 |
| Grand Valley | 0 | 0 | 2,184 | 15,454,465 | 328 | 4,642,001 | 139 | 3,934,379 | 287 | 8,123,501 | 687 | 1,215,341 |
| Lake Superior | 8 | 56,610 | 339 | 2,398,839 | 48 | 679,317 | 51 | 1,443,549 | 40 | 1,132,195 | 0 | 0 |
| Michigan State | 0 | 0 | 5,561 | 39,350,862 | 1,220 | 17,265,978 | 662 | 18,737,832 | 290 | 8,208,416 | 1,720 | 3,042,775 |
| Michigan Tech | 0 | 0 | 158 | 1,118,043 | 115 | 1,627,531 | 767 | 21,709,844 | 8 | 226,439 | 30 | 53,072 |
| Northern | 31 | 219,363 | 862 | 6,099,702 | 169 | 2,391,762 | 72 | 2,037,951 | 95 | 2,688,964 | 120 | 212,287 |
| Oakland | 0 | 0 | 1,574 | 11,137,971 | 97 | 1,372,787 | 173 | 4,896,745 | 168 | 4,755,220 | 614 | 1,086,200 |
| Saginaw Valley | 0 | 0 | 798 | 5,646,824 | 74 | 1,047,281 | 110 | 3,113,537 | 102 | 2,887,098 | 396 | 700,546 |
| UM-Ann Arbor | 0 | 0 | 3,828 | 27,087,772 | 568 | 8,038,586 | 1,255 | 35,522,626 | 229 | 6,481,818 | 2,173 | 3,844,157 |
| UM-Dearborn | 0 | 0 | 762 | 5,392,080 | 150 | 2,122,866 | 241 | 6,821,476 | 2 | 56,610 | 259 | 458,185 |
| UM-Flint | 0 | 0 | 677 | 4,790,601 | 57 | 806,689 | 27 | 764,232 | 146 | 4,132,513 | 173 | 306,047 |
| Wayne State | 0 | 0 | 1,570 | 11,109,666 | 213 | 3,014,470 | 239 | 6,764,867 | 271 | 7,670,623 | 1,728 | 3,056,927 |
| Western | 0 | 0 | 3,237 | 22,905,725 | 312 | 4,415,562 | 536 | 15,171,417 | 206 | 5,830,806 | 1,087 | 1,922,963 |
| TOTAL | 289 | 2,045,028 | 27,172 | 192,275,060 | 4,246 | 60,091,264 | 5,128 | 145,147,433 | 2,355 | 66,657,996 | 11,005 | 19,468,451 |

Degree-Based Component (FY 2004-05 Degree Data)

| Master's/Doctoral |  |  |  |  |  |  | Professional |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| University | Nat Sci/Math/ Educ (Math/ Sci/Spec Ed) | Funding per Degree @ \$3,538 | Engineering/ Technology | Funding per Degree @ \$7,076 | Health | $\begin{array}{r} \hline \text { Funding per } \\ \text { Degree @ } \\ \$ 7,076 \end{array}$ | General | Funding per Degree @ \$3,538 | Health | $\begin{array}{r} \hline \text { Funding per } \\ \text { Degree @ } \\ \$ 14,152 \end{array}$ | DegreeBased Funding |
| Central | 51 | 180,444 | 49 | 346,735 | 215 | 1,521,387 | 0 | 0 | 0 | 0 | 41,912,453 |
| Eastern | 108 | 382,116 | 113 | 799,613 | 20 | 141,524 | 0 | 0 | 0 | 0 | 35,703,070 |
| Ferris | 49 | 173,367 | 27 | 191,058 | 0 | 0 | 0 | 0 | 149 | 2,108,714 | 27,689,250 |
| Grand Valley | 79 | 279,511 | 43 | 304,277 | 111 | 785,460 | 0 | 0 | 0 | 0 | 34,738,935 |
| Lake Superior | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,977,637 |
| Michigan State | 360 | 1,273,720 | 193 | 1,365,711 | 156 | 1,103,890 | 0 | 0 | 349 | 4,939,202 | 95,288,384 |
| Michigan Tech | 61 | 215,825 | 138 | 976,518 | 0 | 0 | 0 | 0 | 0 | 0 | 26,116,560 |
| Northern | 25 | 88,453 | 0 | 0 | 11 | 77,838 | 0 | 0 | 0 | 0 | 14,200,205 |
| Oakland | 60 | 212,287 | 200 | 1,415,244 | 32 | 226,439 | 0 | 0 | 0 | 0 | 25,102,892 |
| Saginaw Valley | 77 | 272,434 | 11 | 77,838 | 19 | 134,448 | 0 | 0 | 0 | 0 | 13,880,006 |
| UM-Ann Arbor | 443 | 1,567,383 | 1,338 | 9,467,983 | 334 | 2,363,458 | 357 | 1,263,105 | 324 | 4,585,391 | 100,222,278 |
| UM-Dearborn | 71 | 251,206 | 289 | 2,045,028 | 0 | 0 | 0 | 0 | 0 | 0 | 17,147,451 |
| UM-Flint | 2 | 7,076 | 0 | 0 | 31 | 219,363 | 0 | 0 | 0 | 0 | 11,026,520 |
| Wayne State | 194 | 686,393 | 407 | 2,880,022 | 191 | 1,351,558 | 221 | 781,922 | 288 | 4,075,903 | 41,392,351 |
| Western | 174 | 615,631 | 179 | 1,266,643 | 79 | 559,021 | 0 | 0 | 0 | 0 | 52,687,768 |
| TOTAL | 1,754 | 6,205,845 | 2,987 | 21,136,670 | 1,199 | 8,484,388 | 578 | 2,045,028 | 1,110 | 15,709,209 | 543,085,763 |


| + Difference | $4.0 \%$ |
| :--- | :--- |
| -Difference | $2.0 \%$ |


|  | Research-Based | omponent |  | usted Fundin | Model Result |  | Limit Differe | es from FY | Enacted |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| University | 2-Year Avg Fed Science/Engin Obligations <br> *Adj for UM-AA | Match Rate: 78.2\% | Total <br> Model Funding | $\begin{array}{r} \text { FY 2005-06 } \\ \text { Enacted } \end{array}$ | \$ Difference <br> Model from <br> FY 2005-06 <br> Enacted | \% Difference <br> Model from <br> FY 2005-06 <br> Enacted | **Funding Amounts w/ Limits | \$ Difference <br> Model from <br> FY 2005-06 <br> Enacted | \% Difference <br> Model from <br> FY 2005-06 Enacted |
| Central | 2,053,000 | 1,605,101 | 90,399,448 | 80,061,900 | 10,337,548 | 12.9 | 83,264,400 | 3,202,500 | 4.0 |
| Eastern | 1,291,000 | 1,009,345 | 78,168,672 | 76,140,600 | 2,028,072 | 2.7 | 78,168,700 | 2,028,100 | 2.7 |
| Ferris | 23,500 | 18,373 | 50,833,791 | 48,634,700 | 2,199,091 | 4.5 | 50,580,100 | 1,945,400 | 4.0 |
| Grand Valley | 804,000 | 628,593 | 77,971,600 | 61,129,900 | 16,841,700 | 27.6 | 63,575,100 | 2,445,200 | 4.0 |
| Lake Superior | 106,000 | 82,874 | 11,754,019 | 12,506,300 | $(752,281)$ | (6.0) | 12,256,200 | $(250,100)$ | (2.0) |
| Michigan State | 136,799,000 | 106,953,800 | 293,544,316 | 283,730,300 | 9,814,016 | 3.5 | 293,544,300 | 9,814,000 | 3.5 |
| Michigan Tech | 12,539,500 | 9,803,779 | 48,954,517 | 48,018,800 | 935,717 | 1.9 | 48,954,500 | 935,700 | 1.9 |
| Northern | 315,500 | 246,668 | 32,954,069 | 45,051,600 | $(12,097,531)$ | (26.9) | 44,150,600 | $(901,000)$ | (2.0) |
| Oakland | 5,907,500 | 4,618,671 | 60,072,288 | 50,685,700 | 9,386,588 | 18.5 | 52,713,100 | 2,027,400 | 4.0 |
| Saginaw Valley | 492,000 | 384,661 | 31,061,026 | 27,499,800 | 3,561,226 | 13.0 | 28,599,800 | 1,100,000 | 4.0 |
| UM-Ann Arbor | 185,036,826 | 144,667,663 | 327,288,139 | 316,368,500 | 10,919,639 | 3.5 | 327,288,100 | 10,919,600 | 3.5 |
| UM-Dearborn | 2,415,374 | 1,888,416 | 32,636,231 | 24,739,200 | 7,897,031 | 31.9 | 25,728,800 | 989,600 | 4.0 |
| UM-Flint | 735,657 | 575,160 | 22,447,582 | 20,903,100 | 1,544,482 | 7.4 | 21,739,200 | 836,100 | 4.0 |
| Wayne State | 101,501,000 | 79,356,703 | 174,940,382 | 214,666,300 | $(39,725,918)$ | (18.5) | 210,373,000 | $(4,293,300)$ | (2.0) |
| Western | 13,068,500 | 10,217,368 | 115,202,620 | 109,695,200 | 5,507,420 | 5.0 | 114,083,000 | 4,387,800 | 4.0 |
| TOTAL | 463,088,357 | 362,057,175 | 1,448,228,700 | 1,419,831,900 | 28,396,800 | 2.0 | 1,455,018,900 | 35,187,000 | 2.5 |
| *Amount of research funds effectively matched under enacted FY 2005-06 model, increased by \% increase from FY 2000-01/ |  |  |  |  |  |  | **Amounts rounded to nearest increment of one hundred |  |  |


| Category |
| :--- |
| General | | Natural Science/Math/ |
| :--- |
| Certain Education |

Program Areas*
Agriculture, Agriculture Operations, \& Related Sciences (partial; see note)
Area, Ethnic, Cultural, And Gender Studies
Business, Management, Marketing, \& Related Support Services
Communication, Journalism \& Related Programs
Education (partial; see note)
English Language And Literature/Letters
Family And Consumer Sciences/Human Sciences
Foreign Languages, Literatures, And Linguistics
History
Legal Professions And Studies
Liberal Arts \& Sciences, General Studies \& Humanities
Library Science
Multi/Interdisciplinary Studies
Parks, Recreation, Leisure And Fitness Studies
Natural Resources And Conservation (partial; see note)
Personal And Culinary Services
Philosophy And Religious Studies
Psychology
Public Administration \& Social Service Professions
Security And Protective Services
Social Sciences
Visual And Performing Arts

Natural Science/Math/
Certain Education

Agriculture, Agriculture Operations, \& Related Sciences (partial; see note)
Biological And Biomedical Sciences
Education (partial; see note)
Mathematics And Statistics
Natural Resources And Conservation (partial; see note)
Physical Sciences

Engineering/Technology Architecture And Related Services
Communications Technologies/Technicians \& Support Services
Computer And Information Sciences And Support Services
Construction Trades
Engineering
Engineering Technologies/Technicians
Mechanic And Repair Technologies/Technicians
Military Technologies
Precision Production
Science Technologies/Technicians
Transportation And Materials Moving

Health Health Professions \& Related Clinical Sciences
*Degree data are reported based on Classification of Instructional Programs (CIP) codes published by the U.S.
Department of Education
Note: Degrees in the Education, Agriculture, and Natural Resources program areas are classified between the General and Natural Science/Math program categories based on a more detailed level of CIP codes

## Federal Science/Engineering-Related Obligations to State Universities

Fiscal Years 2001-02 and 2002-03

| University | FY 2001-02 | FY 2002-03 | Two-Year <br> Average |
| :--- | ---: | ---: | ---: |
| Central | 355,000 | $3,751,000$ | $2,053,000$ |
| Eastern | 760,000 | $1,822,000$ | $1,291,000$ |
| Ferris | 47,000 | 0 | 23,500 |
| Grand Valley | 485,000 | $1,123,000$ | 804,000 |
| Lake Superior | 176,000 | 36,000 | 106,000 |
| Michigan State | $118,011,000$ | $155,587,000$ | $136,799,000$ |
| Michigan Tech | $12,477,000$ | $12,602,000$ | $12,539,500$ |
| Northern | 372,000 | 259,000 | 315,500 |
| Oakland | $5,084,000$ | $6,731,000$ | $5,907,500$ |
| Saginaw Valley | 492,000 | 492,000 | 492,000 |
| UM-Ann Arbor* | $453,880,031$ | $517,396,907$ | $485,638,469$ |
| UM-Dearborn* | $2,257,420$ | $2,573,328$ | $2,415,374$ |
| UM-Flint* | 687,549 | 783,766 | 735,657 |
| Wayne State | $104,264,000$ | $98,738,000$ | $101,501,000$ |
| Western | $\mathbf{1 4 , 2 5 3 , 0 0 0}$ | $\mathbf{1 1 , 8 8 4 , 0 0 0}$ | $\mathbf{1 3 , 0 6 8 , 5 0 0}$ |
| TOTAL | $\mathbf{7 1 3 , 6 0 1 , 0 0 0}$ | $\mathbf{8 1 3 , 7 7 9 , 0 0 0}$ | $\mathbf{7 6 3 , 6 9 0 , 0 0 0}$ |
|  |  |  |  |
| UM Total: 3 Campuses* | $456,825,000$ | $520,754,000$ | $488,789,500$ |

Source: National Science Foundation survey of federal agencies (http://www.nsf.gov/statistics/)
*UM federal obligations allocated among three campuses in proportion to FY 2004-05 current fund research expenditures, as reported to HEIDI

FY 2004-05
Current Fund
Research Exp. \% of Total

| UM-Ann Arbor | $597,582,680$ | 99.36 |
| :--- | ---: | ---: |
| UM-Dearborn | $2,972,140$ | 0.49 |
| UM-Flint | $\underline{905,233}$ | $\underline{0.15}$ |
| TOTAL | $601, \underline{460,053}$ | 100.00 |

## Amount matched under funding model for UM-Ann Arbor

| FY 2000-01/2001-02 average federal obligations | $443,269,022$ |
| :--- | ---: |
| FY 2001-02/2002-03 average federal obligations | $485,638,469$ |
| \% Change | 9.56 |
|  |  |
| Amount effectively matched under FY 2005-06 model | $168,893,319$ |
| $\quad$ (capped amount divided by matching rate) | $16,143,507$ |
| Increase of $9.56 \%$ | $185,036,826$ |

HFA: 5/2/06

Hiltal

| STATE UNIVERSITIES |
| :--- |
| Central Michigan |
| Eastern Michigan |
| Ferris State |
| Grand Valley State |
| Lake Superior State |
| Michigan State |
| Michigan Tech |
| Northern Michigan |
| Oakland |
| Saginaw Valley State |
| UM - Ann Arbor |
| UM - Dearborn |
| UM - Flint |
| Wayne State |
| Western Michigan |
| Subtotal - State Universities |
| Merit Award Trust Fund |
| School Aid Fund |
| State GF/GP |

## FY 2005-0 Year-to-Date Funding Mode as of 2/9/06 Adjustments

 IndianTuition \$80,061,900 3,202,500 $\begin{array}{ll}76,140,600 & 2,028,100 \\ 48,634,700 & 1,945,400 \\ 61,129,900 & 2,445,200\end{array}$ $\begin{array}{r}61,129,900 \\ 12,506,300 \\ \hline\end{array}$

| 12,5 |
| ---: |
| 283 |

283,
48,0
45,0
50,6

AES/CES, STATE/REGIONAL, \& KCP
Agricultural Experiment Station Cooperative Extension Service
Higher Education Database
Midwestern Higher Ed. Compact
Mich. Public School Empl. Ret. System King-Chavez-Parks (three lines) Subtotal - AES/CES/State/Reg/KCP School Aid Fund
State GF/GP

## GRANTS \& FINANCIAL AID

State Competitive Scholarships
Tuition Grants
Michigan Work Study Program Part-Time Independent Student Prog. Mich. Education Opportunity Grants Byrd Honors Scholarship Program Nursing Scholarship \& Grant Progs.
Michigan Merit Award Program
Tuition Incentive Program
Children of Vets. Tuition Grant Prog. MiLEAD Initiative

## Subtotal - Grants/Financial Aid

Merit Award Trust Fund
MHEAA Operating Fund
Tuition Grant Carry-Forward Michigan CCC Endowment Fund Contribs. to Children of Vets. Prog. State GF/GP

## TOTAL - HIGHER ED

TOTAL - FEDERAL
TOTAL - STATE RESTRICTED
TOTAL - GF/GP
$34,630,500$
$58,768,100$
$\$ 33,163,800$
$28,604,300$
200,000
90,000
0
$2,691,500$
$2,691,500$
$\$ 64,749,600$
0
$\$ 64,749,600$

58,768,100 7,326,300 2,653,300 2,084,200 1,500,000 4,000,000 $126,400,000$
$12,000,000$ $2,000,000$
500,000
0
$\$ 249,862,400$
$3,500,000$
$137,000,000$ 137,000,000 3,000,000
4,000,000
\$102,362,400
1,734,443,900
\$1,734,443,900 \$35,187,000
$\begin{array}{rrrr}3,500,000 & 0 & 0 & \mathbf{2 , 2 8 3 , 4 0 0} \\ 153,500,000 & 10,591,200 & 0 & 1,683,400\end{array}$
\$1,577,443,900 \$24,595,800 \$3,201,000 \$600,000

## Superior Dome/ MPSERS

## Financial <br> Aid Changes

Substitute

## C

Change fr
\$ Am \$ Amoun
都
\$ Change
\$ Change
from
\$ Change
FY 2005-06 FY 2006-07 from Year-to-Date House Sub.

| $\begin{array}{r}\text { from } \\ \text { Exec. Rec. }\end{array}$ | $\begin{array}{r}\text { from } \\ \text { Senate }\end{array}$ | $\begin{array}{l}\text { Year-to-Date } \\ \text { \$ per FYES** }\end{array}$ | $\begin{array}{l}\text { House Sub. } \\ \text { \$per FYES** }\end{array}$ |
| ---: | ---: | ---: | ---: |
| $\$ 1,861,200$ | $\$ 1,790,000$ | $\$ 3,736$ | $\$ 3,901$ |


| $\$ 1,790,000$ | $\$ 3,736$ | $\$ 3,901$ |
| :--- | :--- | :--- | $1,236,500$

$1,419,900$
$(246,400)$

| 1.9 |  |
| :--- | :--- |
| 2.1 |  |
| 0.3 |  |


| $\mathbf{6 0 0 , 0 0 0}$ | $\mathbf{\$ 0}$ | $\mathbf{\$ 1 , 4 5 8 , 8 1 9 , 9 0 0}$ | $\mathbf{\$ 3 8 , 9 8 8}, \mathbf{0 0 0}$ | 0 |
| ---: | ---: | ---: | ---: | ---: |
|  |  | $9,500,000$ | $\mathbf{0}$ | 0.0 |
| 600,000 | $\$ 0$ | $\$ 1,591,200$ | $10,591,200$ |  |
|  | $\$ 0,728,700$ | $\$ 28,396,800$ | 2.0 |  |


| 3 |  |
| :---: | :---: |
| 4 |  |
| 9 |  |
| 1 |  |
| 2.7 |  |
| 0.0 |  |
| -- |  |
| 2.0 |  |


| 3.6 | 4,475,400 |
| :---: | :---: |
| 2.1 | 161,100 |
| 0.3 | $(714,400)$ |
| 4.2 | 1,104,400 |
| 4.3 | 375,100 |
| 3.5 | 4,775,200 |
| 4.3 | 513,900 |
| 4.4 | 412,100 |
| (1.9) | $(8,358,600)$ |
| 4.1 | 2,819,200 |
| 2.7 | \$10,591,200 |
| 0.0 | 0 |
| -- | 10,591,200 |

