



Michigan Tech
Create the Future

2011 Facilities and Administration Rate Proposal

MICHIGAN TECHNOLOGICAL UNIVERSITY

1400 Townsend Drive

Houghton, MI 49931-1295

www.mtu.edu

Michigan Technological University
Facilities & Administration
Rate Proposal

Fiscal Year Ending June 30, 2011

Proposal Period July 1, 2012 to June 30, 2016

December 23, 2011

Mr. Owen Nicholson
Contracting Officer
Office of Naval Research
875 N. Randolph Street
Code 242, Room 371
Arlington, VA 22203-1995

Dear Mr. Nicholson:

Enclosed is the Facilities and Administrative Cost Rate Proposal for Michigan Technological University. The calculated rates are based on data for the fiscal year ended June 30, 2011. We prepared the F&A proposal using CRIS[®] software from our consultant, MAXIMUS, based in Northbrook, Illinois.

Also enclosed with this proposal are a printed copy of our 2011 Financial Report and a printed copy of our A-133 Single Audit Act Compliance.

The calculated F&A cost rates based on data for the fiscal year ended June 30, 2011 are shown in Section B (base year rates prior to the rate modifications) and Section O (modified rates) of the proposal.

- Because we use predetermined rates, there are no carry-forward amounts.
- We are requesting on-campus and off-campus four-year rates beginning on July 1, 2012 and ending on June 30, 2016. This is for Fiscal Years 2013-2016.
- We are requesting that all rates would be predetermined rates.
- We are requesting a special rate for Michigan Tech Research Institute (MTRI)
- We are requesting the 26% capped rate on administrative costs except for DOD contracts. We wish to waive the cap on the DOD contracts and use an uncapped rate. In accordance with DFARS 231.303(2), the prohibition concerning imposition of a 26% indirect cost rate ceiling on administrative costs cited at DFARS 231.303(1) may be waived to simplify the institution's overall management of DOD cost reimbursement contracts.
- We are proposing modifications to our base year rate. The modifications are more fully explained in Section O of this report.
 - We are modifying our base year rate for the impact of the ARRA (American Recovery and Reinvestment Act) funding.
 - The new Great Lakes Research Center will open in April 2012 with full occupancy on July 1, 2012. A projection of the incremental revenues, depreciation, and operating costs has been included in our rate adjustment.
- We are requesting single blended rates for all four years of the agreement period.
- This is Michigan Technological University's Organized Research (OR) rate history.
 - The OR rate of 56% had been in place from July 1, 2003 to June 30, 2009. The OR rate changed to 55% from July 1, 2009 until June 30, 2011. The current rate is now 56%.

- The modified blended rates we are requesting for the four-year proposal period are:
 - Instructional rate of 52.25% to be used for on-campus course development grants.
 - Instructional rate of 26.00% to be used for off-campus course development grants.
 - Full research capped rate of 59.00% to be used for on-campus research projects.
 - Off-campus research rate of 26.00% to be used for off-campus research projects.
 - Uncapped full research rate of 76.00% to be used for on-campus research projects per DFARS 231.303(2).
 - Uncapped research rate of 43.00% to be used for off-campus research projects per DFARS 231.303(2).
 - MTRI capped rate of 52.75% to be used for on-campus research projects.
 - MTRI uncapped full research rate of 87.00% to be used for on-campus research projects per DFARS 231.302(s).
 - MTRI uncapped research rate of 60.00% to be used for off-campus research projects per DFARS 231.303(2).
 - Other Sponsored Activities rate of 36.00% to be used for on-campus public service type agreements.
 - Other Sponsored Activities rate of 26.00% to be used for off-campus public service type agreements.

If you have questions concerning our proposal, please contact me at (906) 487-2642 or Mr. Michael Hendricks at (906) 487-2155. We look forward to hearing from you in the near future.

Sincerely,



Daniel D. Greenlee
Chief Financial Officer and Treasurer of the Board of Control

DDG/mfh
Cc: Defense Contract Audit Agency

Michigan Technological University F&A Cost Proposal, FYE June 30, 2011

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Appendix A

1. Negotiation Agreement dated January 14, 2010



General Information



General Information

Enclosed in this proposal are the schedules that support the proposed facilities and administrative (F&A) cost rates for Michigan Technological University. The *Comprehensive Rate Information System (CRIS®)*, developed by MAXIMUS, was used to prepare this proposal.

The enclosed schedules include both high-level summaries as well as detailed information about the cost pools and allocation methodologies. More detailed schedules and explanations can be provided at your request. See Section ii (Checklist) for brief narratives of the schedules included in this document.

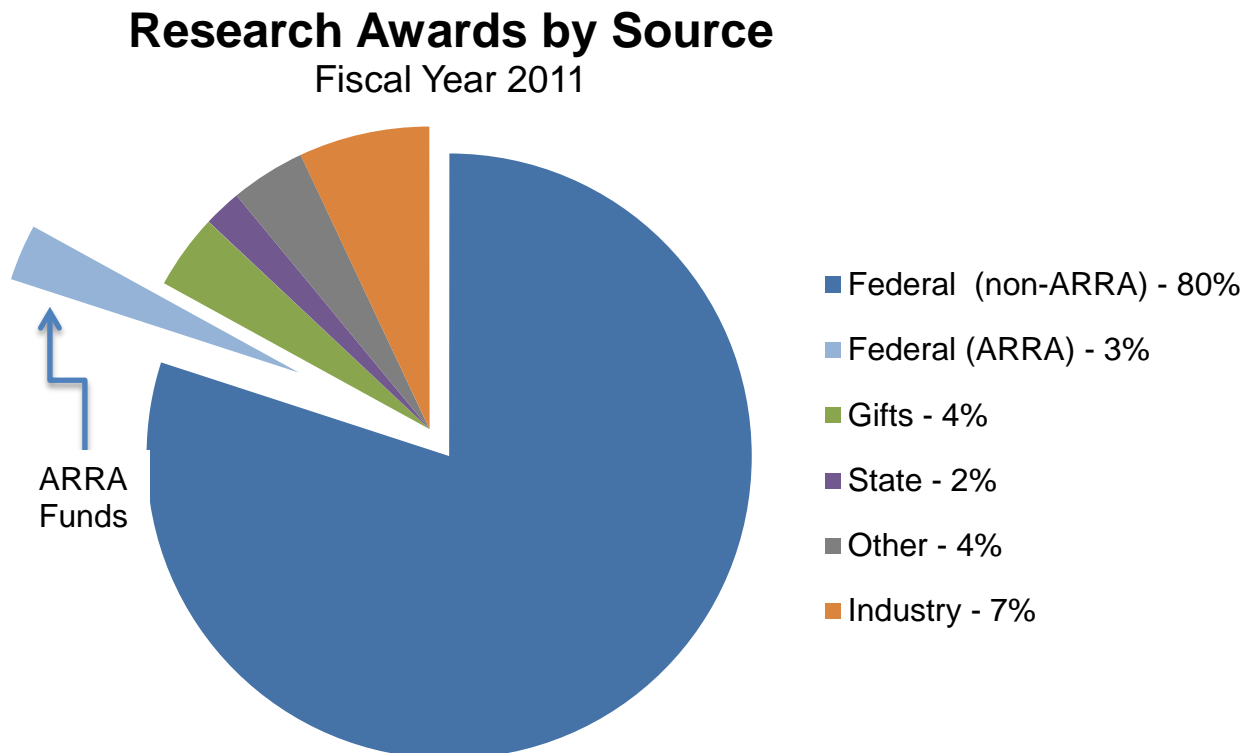
Organizational Structure and Background

The University was founded in 1885. It has approximately 7,000 students enrolled within five major units: the College of Engineering, the College of Science and Arts, the School of Forest Resources & Environmental Science, the School of Business and Economics, and the School of Technology. The University is considered to be a component unit of the State of Michigan because the state's Governor appoints its Board of Control.

The University completed its DS-2 in 2006 which is online at www.mtu.edu/research/references/pdf/DS2-2006.pdf. The University has recently submitted a DS-2 change for the new project certification plan. We are awaiting approval for this revision.

Most of the organized research activity takes place at the Michigan Technological University campus in Houghton, Michigan. However, a portion takes place at off-campus sites, including MTRI, our research center in Ann Arbor, Michigan. The University currently has 22 interdisciplinary research institutes and centers that contribute to its growing international recognition as a research institution.

Research awards received by Michigan Tech totaled \$54.1 million for Fiscal Year 2011 compared to \$41 million in Fiscal Year 2008. The federal share of those research awards in 2008 was 74%, compared to 83% in 2011 (The 2011 percentage includes ARRA awards.). The next two pie charts outline the breakdown of award monies received.



Michigan Technological University

Total Federal Awards by Source Fiscal Year 2011

Federal Sponsor

Department of Defense (DOD)
National Science Foundation (NSF)
Department of Energy (DOE)
NASA
Department of Agriculture (USDA)
Department of Transportation (DOT)
All Other Federal Agencies

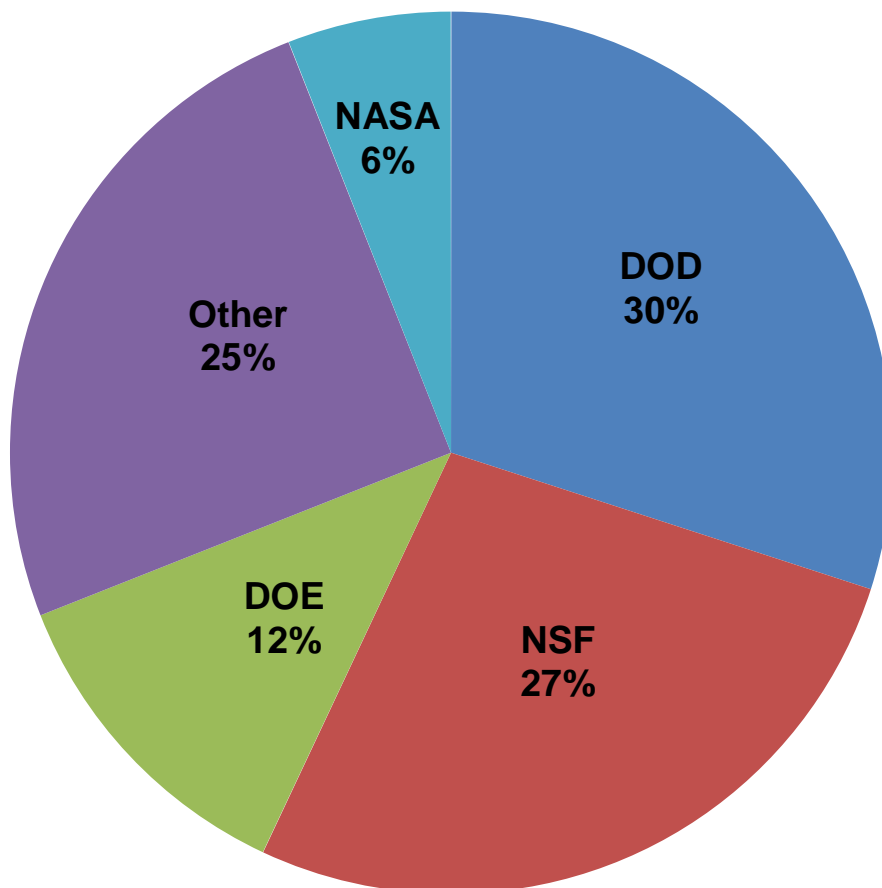
Awards

\$13,505,134
11,989,733
5,260,881
2,685,155
2,498,183
2,160,482
6,585,392

Total

\$44,684,960

Total Federal Awards by Source

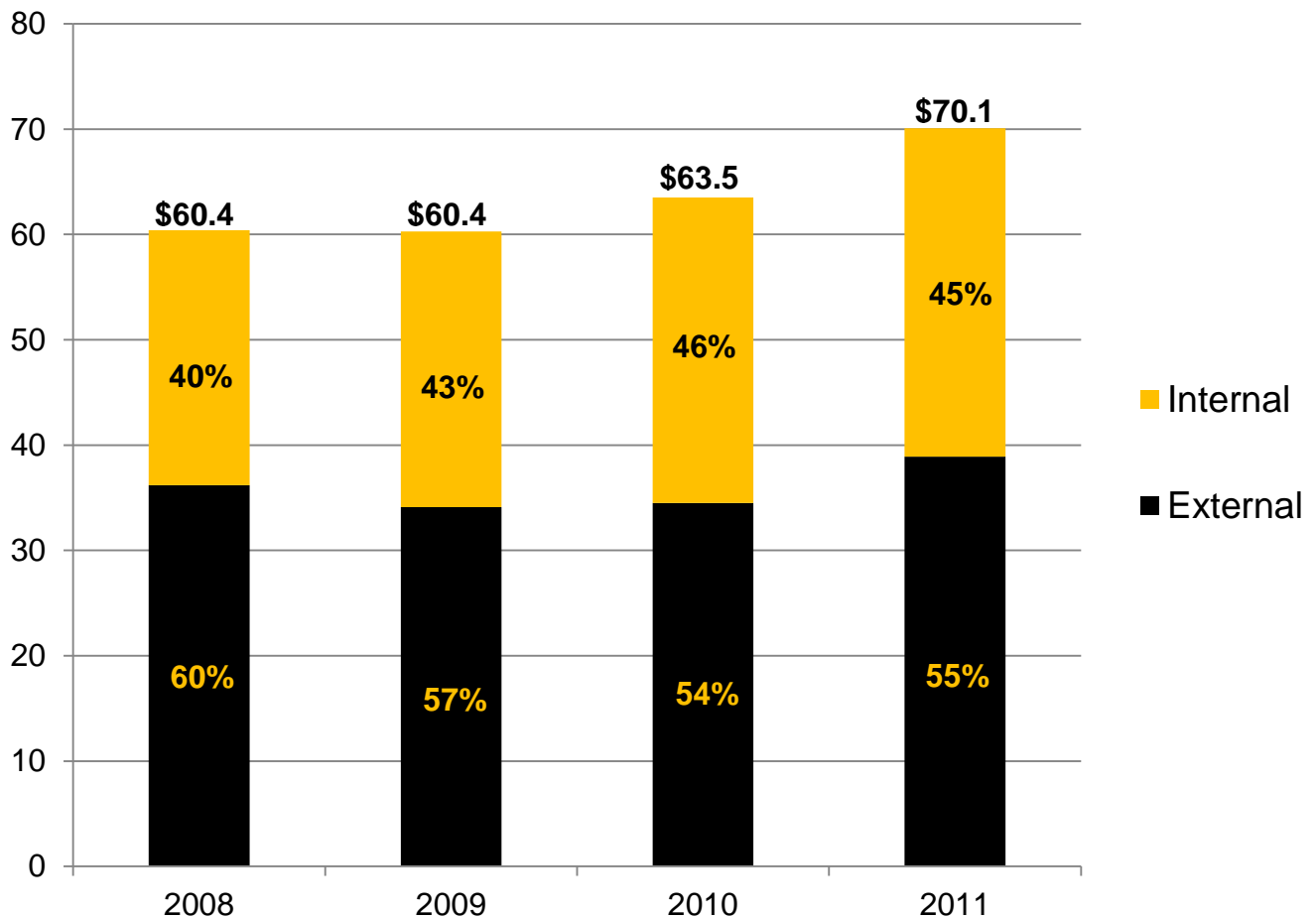


The above awards become part of the projected research expenditures and revenues for the four-year proposal period.

Research grant and contract revenue is reported in the Management Discussion and Analysis section of Michigan Tech's Annual Financial Report (page 14).

Total University research expenditures as reported in the *NSF Higher Education Research and Development Survey* include organized research (MTU and MTRI) and departmental research. The following graph displays both internal and external (sponsored) research expenditures. It visually portrays the increase between the base year 2008 proposal and this base year 2011 proposal. The external expenditures increased 7.6% and the internal expenditures increased 28.8%.

Research Expenditures (millions)



Organized Research Rate History

We are providing on the next page a five-year history of negotiated rate components for our Organized Research rate. Explanations for significant variances are provided in Section B where we compare MTDCs and space. The actual current agreement is reported in Appendix A of this proposal.

Five Year History of Negotiated Org Research Rates with Modifications

Years:	<u>FY 2012</u>	<u>FY 2011</u>	<u>FY 2010</u>	<u>FY 2009</u>	<u>FY 2008</u>
Administrative:					
General admin	13.69%	13.64%	13.57%	11.83%	11.83%
Department admin	11.47%	11.22%	11.14%	10.37%	10.37%
DA allowance	3.60%	3.60%	3.60%	3.60%	3.60%
Spon project admin	11.08%	11.04%	10.99%	8.17%	8.17%
Uncapped total	<u>39.84%</u>	<u>39.50%</u>	<u>39.30%</u>	<u>33.97%</u>	<u>33.97%</u>
Admin cap adjustment	<u>-13.84%</u>	<u>-13.50%</u>	<u>-13.30%</u>	<u>-7.97%</u>	<u>-7.97%</u>
Capped	<u>26.00%</u>	<u>26.00%</u>	<u>26.00%</u>	<u>26.00%</u>	<u>26.00%</u>
Facilities:					
Buildings	8.25%	5.48%	5.45%	6.79%	6.79%
Equipment	4.89%	4.18%	4.15%	4.06%	4.06%
Interest	5.55%	3.90%	3.88%	3.58%	3.58%
O&M	13.91%	12.69%	12.61%	14.58%	14.58%
Library	1.59%	1.58%	1.57%	1.51%	1.51%
Rounding	0.00%	0.17%	0.34%	0.00%	0.00%
Voluntary reduction	<u>-4.19%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>-0.52%</u>	<u>-0.52%</u>
Subtotal	<u>30.00%</u>	<u>28.00%</u>	<u>28.00%</u>	<u>30.00%</u>	<u>30.00%</u>
On-Campus capped	<u>56.00%</u>	<u>54.00%</u>	<u>54.00%</u>	<u>56.00%</u>	<u>56.00%</u>
Off-Campus capped	<u>26.00%</u>	<u>26.00%</u>	<u>26.00%</u>	<u>26.00%</u>	<u>26.00%</u>
On-Campus uncapped	<u>69.00%</u>	<u>67.00%</u>	<u>67.00%</u>	<u>63.00%</u>	<u>63.00%</u>
Off-Campus uncapped	<u>40.00%</u>	<u>39.50%</u>	<u>39.00%</u>	<u>33.00%</u>	<u>33.00%</u>
MTDC Base (On-Campus)	<u>\$ 16,699,963</u>	<u>\$ 16,768,199</u>	<u>\$ 16,869,146</u>	<u>\$ 13,811,913</u>	<u>\$ 13,811,913</u>

Rate Schedules and Reconciliation

The four rate schedules (Instruction, Organized Research, MTRI, and Other Sponsored Activities) can be found in Section B of the F&A cost proposal. The rate schedules are based on actual costs for FYE June 30, 2011.

The following narratives introduce the general methodology used in the F&A calculations.

Indirect Pools and Direct Bases

Indirect pools and direct bases were developed in accordance with guidelines from OMB Circular A-21. All accounts were reviewed so that each account could be assigned to the correct pool or base. Final costs for each indirect cost pool and direct base are shown in Schedule C6. We did not allocate any indirect cost based on discrete cost analysis studies or alternative allocation bases made in accordance with Section E2d of OMB Circular A-21.

Cost Group	MTU Assigned CPL Number	Name	Description
Bldg:	5	Building Depreciation	Actual costs identified to specific buildings
	10	Capital Improvements	Actual costs allocated on FTE's
Eqp:	5x	Equipment Depreciation	Actual costs identified to specific buildings and rooms
	65	Equipment MTRI	Actual costs identified to MTRI rooms
Int:	9x	Building Interest	Actual costs identified to specific buildings
O&M:	105	Utilities	Actual costs identified to specific buildings
	106	KRC O&M	Actual costs identified to KRC space
	110	Building Specific O&M	Actual costs identified to specific buildings
	115	Auxiliary O&M	Actual costs identified directly to auxiliary cost pool
	125	Dept. Paid O&M	Costs that benefit specific departments
	130	Building Maintenance	Costs allocated to a set of benefiting buildings
	133	MTRI O&M	Actual costs identified to MTRI space
	135	Campus-wide O&M	Costs that benefit the campus
G&A:	200	General & Administration	G&A costs that benefit all activity
DA:	3xx	Deans Offices	Administrative Costs for Deans
	4xx	Academic Departments	Administrative Costs for academic department DA
SPA:	600	Sponsored Projects Administration	Administrative Costs for the sponsored projects
SSA	700	Students Services Administration	Costs allocated to instruction only
Libr:	800	Library	Costs for the University library
Instr:	900	Instruction	Direct costs (MTDC) of instruction
Res:	910	Organized Research	Direct costs (MTDC) of organized research
	913	Organized Research - MTRI	Direct costs (MTDC) of MTRI organized research
	920	Public Service/OSA	Direct costs (MTDC) of other sponsored activity
OIA:	930	Other Institutional Activities	All other allowable direct costs that draw overhead are included as OIA
	931	Other Inst Act-Unallowable	Unallowable direct costs that draw overhead
	970	Auxiliary Operations	Auxiliary Operations

Unallowable Costs

All unallowable expense items were reclassified into a separate Other Institutional Activity (OIA) direct base (see C3 and C4 – Transfer from Administrative Cost Pools) and were allocated their share of overhead. All unallowable departments (such as University Marketing and Communications) and unallowable Dean's costs were also reclassified into the separate Other Institutional Activity direct base (see C4) and were allocated their share of overhead.

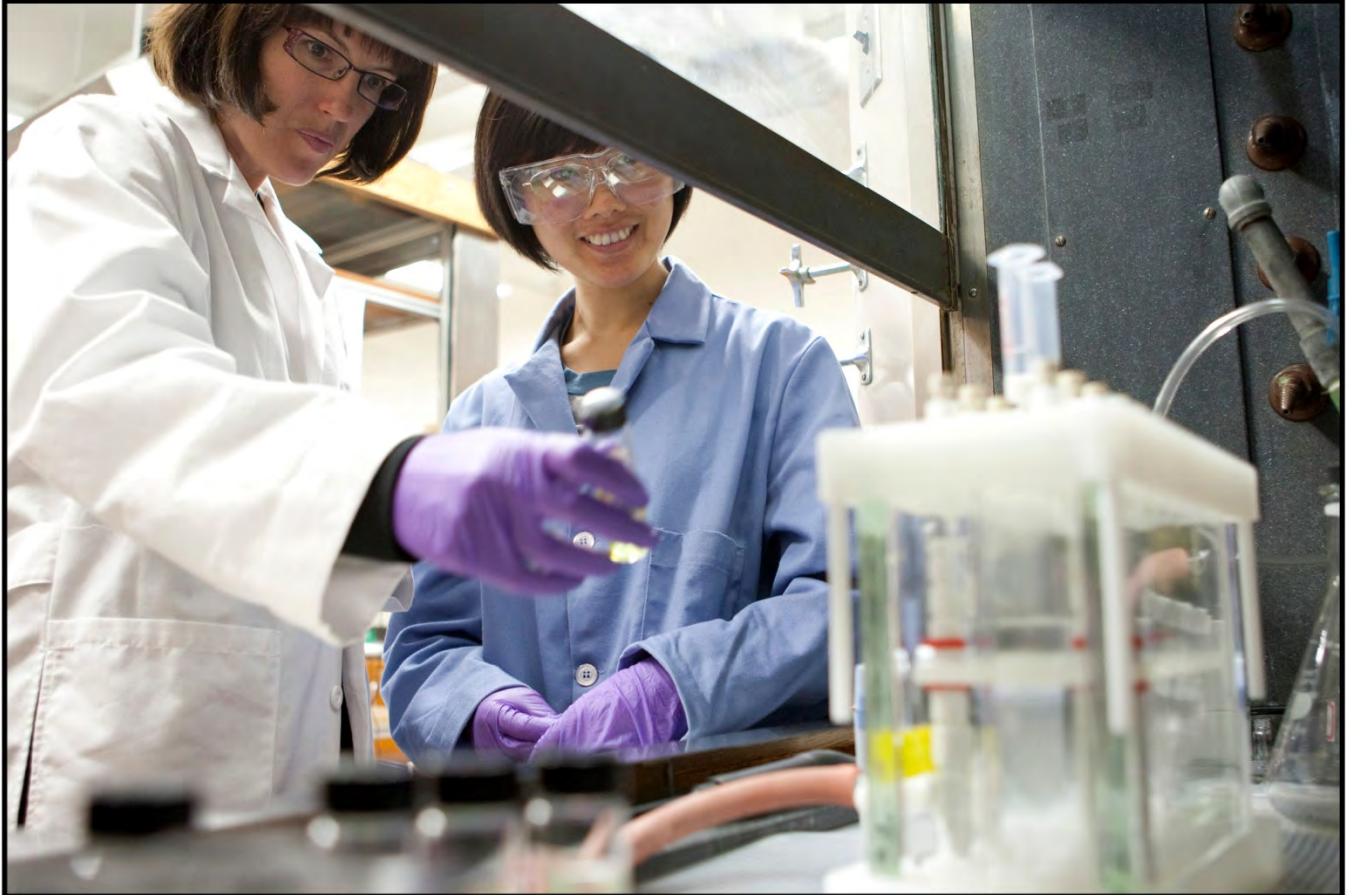
Treatment of Space

Building Depreciation, Equipment Depreciation, Interest, and Operations and Maintenance-related costs are allocated to cost pools based on the functional use of space. In order to make these allocations, the University conducted a comprehensive space survey.

Any space that was indicated as Organized Research (OR) or Other Sponsored Activity (OSA) was required to be supported with an organized research account. The distinction between Organized Research and Departmental Research (DR) was described in the directions for the space survey, which are found in ASPIRE (Accounting for Space, People, Indexes, Research and Equipment) our web-based space and equipment inventory system. The OR, DR, and OSA accounts are color coded in our system so that the space surveyors would know which research function to assign.

Michigan Tech
Create the Future

Checklist



PART II

GENERAL INFORMATION

Reference:

- | | | |
|---------------------|----|---|
| <u>C1, attached</u> | 1. | Copy of audited financial statements including any affiliated organizations. The statements must be reconciled to the F&A base year cost calculation. Copy of most recently issued Circular A-133 audit reports |
| <u>C2, C3, C4</u> | 2. | Copy of relevant data supporting the financial statement, including a reconciliation schedule for each cost pool and rate base in the F&A base year cost calculation. A reconciliation schedule will show each reclassification and adjustment to the financial statements to arrive at the cost pools and rate bases in F&A base year cost calculation. Each reclassification and adjustment must be explained in notes to the reconciliation schedule |
| <u>C5</u> | 3. | Cost step-down schedule showing allocation of each F&A cost pool to the Major Functions and other cost pools |
| <u>B</u> | 4. | Explanation for each proposed organized research rate component which exceeds the prior negotiated rate component by 10% |
| <u>Sections D-M</u> | 5. | Schedules clearly detailing composition and allocation base(s) of each F&A cost pool in base year cost calculation. If the institution has filed a Disclosure Statement (DS-2) submission, specific references (rather than narrative descriptions) from the DS-2 may be used |
| <u>Sections D-M</u> | 6. | Narrative description of composition of each F&A cost pool and allocation methodology. If the institution has filed a DS-2 submission, specific references (rather than narrative descriptions) from the DS-2 may be used |
| <u>N/A</u> | 7. | Narrative description of changes in accounting or cost allocation methods made since the institution's last F&A submission. If the institution has filed a DS-2 submission, specific references (rather than narrative descriptions) from the DS-2 may be used |
| <u>N/A</u> | 8. | Copy of reports on the conduct and results of special studies performed under Section E.2.d, when applicable |
| <u>A1, A2, A3</u> | 9. | Copy of the following:
(a) The Certificate of F&A Costs
(b) Lobbying Certification
(c) Description of procedures used to ensure that awards issued by the Federal Government do not subsidize the F&A costs allocable to awards made by non-Federal sources (e.g., industry, foreign governments)
(d) Assurance Certification - for those institutions listed on Exhibit A -concerning disposition of Federal reimbursements associated with claims for depreciation/use allowances
(e) Assurance statement that institution is in compliance with Federal awarding agency limitations on compensation (e.g., NIH salary limitation, executive |

PART II

- compensation)
- N/A _____ 10. If applicable, reconciliation of carry-forward amounts from prior years used in the current proposal
- Attached _____ 11. Transmittal letter stipulating the type(s) of rates proposed, the fiscal year(s) covered by the proposal and the base year used

RATE PROPOSAL SUMMARY BY MAJOR FUNCTION

Reference:

B1, B2, B3

- _____ 1. Summary of F&A base year rates calculated by Major Function and special rates (e.g., vessel rates) if applicable by component. These would be grouped by Administrative Components and Facilities Components. Total base year calculated rates would be disclosed, as well as allowable rates after the 26 percent limitation on Administrative Components
- iii _____ 2. A breakout of Modified Total Direct Cost (MTDC) rate base figures for each major function (and special rates, if applicable) by:
(a) On-Campus and Off-Campus amounts
(b) Federal awards
 - Based on Negotiated Rates - On-Campus
 - Based on Negotiated Rates - Off-Campus
 - Research Training Awards
 - Other Awards (not based on negotiated rates)
(c) Non-Federal Sources
- iii _____ 3. Miscellaneous Statistics including:
(a) Cost Sharing in the Rate Base
(b) Assignable Square Feet (ASF) by Major Function
(c) Percentage of ASF which is financed (by Major Function)
(d) A breakout of MTDC by Direct Salaries and Wages/ fringe benefits and non-labor costs by major functions
- Section O _____ 4. Future rate adjustments, if necessary, related to material changes since the base year. A clear description of the justification for each of the following:
(a) Changes by cost pool by year
(b) Changes in MTDC base by year
(c) Changes in F&A rates for future years
- Section O _____ 5. Summary of future F&A rates, if necessary, by Major Function and special rates (e.g., vessel rates) which lists each administrative and facilities component by year

BUILDING USE ALLOWANCE AND/OR DEPRECIATION

Reference:

Section D

- _____ 1. Reconciliation of building cost used to compute use allowance and/or depreciation

PART II

with the financial statements. If depreciation is claimed in the F&A proposal and disclosed on the financial statements, provide a reconciliation of depreciation amounts with the financial statements

NOTE: If an institution's financial statements do not disclose depreciation expense (e.g., those subject to GASB), a reconciliation of claimed depreciation expense to the financial statements is not possible.

- D3-D4
_____ 2. A schedule showing amount by building of use allowance and/or depreciation distributed to all functions
- N/A
_____ 3. If a method different from the standard allocation method, described in section F.2.b, was used, describe method. Provide justification for its use and a schedule of allocation. If the institution has filed a DS-2 submission, claimed allocation methodology may be referenced to specific section of the DS-2
- Section D
_____ 4. If depreciation is claimed, describe what useful lives by group and component have been used

EQUIPMENT USE ALLOWANCE AND/OR DEPRECIATION

Reference:

- Section E
_____ 1. Reconciliation of equipment cost used to compute use allowance and/or depreciation with the financial statements. If depreciation is claimed in the F&A proposal and disclosed on the financial statements, provide a reconciliation of depreciation amounts with the financial statements
- NOTE: If an institution's financial statements do not disclose depreciation expense (e.g., those subject to GASB), a reconciliation of claimed depreciation expense to the financial statements is not possible
- E5
_____ 2. A schedule showing amount by building of use allowance and/or depreciation distributed to all functions
- N/A
_____ 3. If a method different from the standard allocation method, described in section F.2.b, was used, describe the method. Provide a justification for its use and a schedule of allocation. If the institution has filed a DS-2 submission, claimed allocation methodology may be referenced to specific section of the DS-2
- Section E
_____ 4. If depreciation is claimed, describe what useful lives by asset class and component have been used

INTEREST

Reference:

- Section F
_____ 1. Reconciliation of interest cost used in the F&A base year calculation to the financial statements

PART II

- F1 _____ 2. A schedule showing amount of interest cost assigned to each building and a distribution to all benefitting functions within each building for each proposed "Major Function"

SPACE SURVEY

Reference:

- N1 _____ 1. A summary schedule of square footage by school, department, building and function
- N2 _____ 2. The same schedule should then be sorted by school, building, department, and function
- Section N _____ 3. Copies of space inventory instructions, forms, and definitions

OPERATION AND MAINTENANCE (O&M)

Reference:

- G2 _____ 1. A summary schedule of each major activity (or subpool) in O&M cost pool. It must show the costs by S&W/fringe benefits and all non-labor cost categories
- G3-G9 _____ 2. A schedule showing amount of O&M costs distributed to all functions

GENERAL ADMINISTRATION (G&A)

Reference:

- I2 _____ 1. A summary schedule of each activity (or subpool) in the G&A cost pool
- I3 _____ 2. A schedule of costs in the modified total costs (MTC) allocation base
- N/A _____ 3. If a method different from the standard MTC allocation method was used, describe the method. Provide a justification for its use and a schedule of allocation. If the institution filed a DS-2 submission, claimed allocation methodology may be referenced to specific section of the DS-2

DEPARTMENTAL ADMINISTRATION (DA)

Reference:

- J2, J3 _____ 1. Schedules of the DA summary by school, department and allocated to Major Functions by department
- J1, J4 _____ 2. Schedule identifying costs by S&W/fringe benefits and non-labor costs by department for the following functions:
- (a) Direct (Major Functions)

PART II

- Instruction
- Organized Research
- Other Sponsored Activities
- Other

- (b) Departmental Administration (excluding Deans)
- (c) Dean's office
- (d) Other, as appropriate

S&W/fringe benefits shall be further identified as follows:

- (a) Faculty and other professional
- (b) Administrative (e.g., business officers, accountants, budget analysts, budget officers)
- (c) Technicians (e.g., lab technicians, glass washers)
- (d) Secretaries and clerical

Section J

- _____ 3. Complete description of allocation method, bases and allocation sequences (e.g., direct charge equivalent, 3.6 percent allowance). If a method different from the standard MTC allocation method was used, describe the method. Provide a justification for its use and a schedule of allocation. If the institution filed a DS-2 submission, claimed allocation methodology may be referenced to specific section of the DS-2

J5

- _____ 4. Show a detailed example (i.e., illustration of your Direct Charge Equivalent (DCE) methodology) of the allocation process used for one department which has Instruction and Organized Research functions from each of the following schools: Medicine, Arts & Sciences and Engineering, as applicable

SPONSORED PROJECTS ADMINISTRATION (SPA)

Reference:

K1

- _____ 1. A summary schedule for each activity (or subpool) included in SPA cost pool

K2

- _____ 2. A schedule of the sponsored projects direct costs in the MTC allocation base

N/A

- _____ 3. If a method different from the standard sponsored projects MTC allocation method was used, describe method. Provide justification for its use and a schedule of allocation. If the institution filed a DS-2 submission, claimed allocation methodology may be referenced to specific section of the DS-2

LIBRARY

Reference:

M2

- _____ 1. A summary schedule for each activity included in library cost pool. It would show costs by salaries and wages, books, periodicals, and all other non-labor cost categories

PART II

- N/A
_____ 2. Schedule listing all credits to library costs
- M3
_____ 3. A schedule of Full Time Equivalentents (FTE) and salaries and wages in the bases used to allocate library costs to users of library services
- N/A
_____ 4. If the standard allocation methodology was not used, describe the alternative method and provide justification for its use. Provide schedules of allocation statistics by function. If the institution filed a DS-2 submission, claimed allocation methodology may be referenced to specific section of the DS-2

STUDENT SERVICES

Reference:

- N/A
_____ 1. If the proposed allocation base(s) differs from the stipulated standard allocation methodology provide:
- (a) Justification for use of a nonstandard allocation methodology;
 - (b) Description of allocation procedure; and
 - (c) Statistical data to support proposed distribution process
- If the institution filed a DS-2 submission, claimed allocation methodology may be referenced to specific section of DS-2

Statistical Information



Part I
Summary Data Elements for F&A Rate Proposal - Schedule A

Name of Institution: MICHIGAN TECHNOLOGICAL UNIVERSITY
Address: 1400 Townsend Drive
Houghton, MI 49931-1295

Organization Number:
(Federal Use Only)

A. Cognizant Federal Agency Rate Setting: ONR **Audit:** DCAA

B. Type of Institution: Private **Public/State**

C. Fiscal Year: July 01, 2010 - June 30, 2011

D. Institution Population (FTE): Students: 3,976 Faculty: 470 Staff: 1,269

E. Status of Disclosure Statement: Required to Submit (Y/N)? Yes
Due Dates: Initial: 12/31/2008 Revised: 11/22/2011
Date Submitted: 04/06/2009
Approved: Yes No **Date:** 07/21/2009

F. Most Current F&A Rates

Type of Rate	Fiscal Year	Date of Rate Agreement	RES 1		RES 2		INSTR		OSA		MTRI 1	
			On	Off	On	Off	On	Off	On	Off	On	Off
Pred	2012	01/04/2010	56.0 %	26.0 %	69.0 %	40.0 %	57.0 %	26.0 %	30.0 %	26.0 %	47.5 %	26.0 %
Pred	2011	01/04/2010	54.0 %	26.0 %	67.0 %	39.5 %	57.0 %	26.0 %	30.0 %	26.0 %	47.5 %	26.0 %
Pred	2010	01/04/2010	54.0 %	26.0 %	67.0 %	39.0 %	57.0 %	26.0 %	30.0 %	26.0 %	47.5 %	26.0 %

Part I
Summary Data Elements for F&A Rate Proposal - Schedule A

F. Most Current F&A Rates, continued

Type of Rate	Fiscal Date of Rate		MTRI 2	MTRI 2
	Year	Agreement	On	Off
Pred	2012	01/04/2010	86.5 %	65.0 %
Pred	2011	01/04/2010	86.5 %	65.0 %
Pred	2010	01/04/2010	86.5 %	65.0 %

Part I
Summary Data Elements for F&A Rate Proposal - Schedule A

Name of Institution: MICHIGAN TECHNOLOGICAL UNIVERSITY

G. BASE YEAR COSTS ASSOCIATED WITH NEW BUILDINGS PLACED INTO SERVICE WITHIN THE LAST FIVE YEARS (IN THOUSANDS)

	IDR	OR	MTRI	OSA
BUILDING	6	73		
INTEREST	14	126		
OPERATIONS & MNT	26	433		

H. DOLLAR AMOUNTS BY MAJOR FUNCTIONS PROPOSED - BASE YEAR (IN THOUSANDS)

	IDR	OR	MTRI	OSA
SALARIES & WAGES/FRINGES	60,882	14,243	3,116	3,003
NON-LABOR COSTS COSTS	8,448	5,918	644	1,619
MODIFIED TOTAL DIRECT COSTS	69,310	20,161	3,760	4,622

I. PERCENTAGE OF COST POOL DOLLARS ALLOCATED TO MAJOR FUNCTIONS PROPOSED - BASE YEAR

	IDR	OR	MTRI	OSA
BUILDING	33.6%	9.8%		0.3%
EQUIPMENT	24.9%	16.3%	2.2%	0.1%
INTEREST	30.8%	8.7%		0.2%
OPERATIONS & MNT	33.2%	10.6%	3.7%	0.5%
LIBRARY	88.0%	4.1%	0.9%	0.8%

J. PROPOSED METHODOLOGY FOR LIBRARY COSTS:

Standard Method: Yes
Special Study: No

Part I
Summary Data Elements for F&A Rate Proposal - Schedule A

Name of Institution: MICHIGAN TECHNOLOGICAL UNIVERSITY

K. PROCEDURE FOR CLAIMING FRINGE BENEFIT COSTS:

Specific Identification:	No
Negotiated Rate:	Yes
Other (see attached)	No

Part I
Summary Data Elements for F&A Rate Proposal - Schedule B

Name of Institution: MICHIGAN TECHNOLOGICAL UNIVERSITY

Historical Base Year: 07/01/2010 - 06/30/2011

Base Year Rate Calculation Summary by Major Function (dollars in thousands)

	IDR		OR		MTRI		OSA	
	(\$)	(%)	(\$)	(%)	(\$)	(%)	(\$)	(%)
FACILITIES								
BUILDING (On)	2,677	3.9	778	4.6			25	0.6
EQUIPMENT (On)	787	1.1	512	3.1	69	1.9	4	0.1
INTEREST (On)	1,844	2.7	519	3.1			9	0.2
OPERATIONS & MNT (On)	6,711	9.7	2,150	12.8	757	20.3	98	2.5
LIBRARY (On)	6,026	8.7	279	1.7	63	1.7	56	1.4
UTILITY COST ADJUSTMENT								
		26.1		25.3		23.9		4.8
ADMINISTRATIVE								
GENERAL ADMIN (All)	9,388	13.5	2,731	13.5	509	13.5	626	13.5
DEPARTMENT ADMIN (All)	10,138	14.6	2,938	14.6	1,105	29.4	272	5.9
SPON PROJ ADMIN (All)	76	0.1	2,858	14.2	543	14.5	640	13.8
STUDENT SERV ADMIN (All)	7,697	11.1						
26% ADJUSTMENT		-13.3		-16.3		-31.4		-7.2
		26.0		26.0		26.0		26.0
MODIFIED TOTAL DIRECT COST								
ON CAMPUS	69,310	52.0	16,818	51.2	3,722	49.9	3,930	30.9
OFF CAMPUS		26.0	3,343	26.0	39	26.0	692	26.0
TOTAL MTDC	69,310		20,161		3,761		4,622	
COMPOSITION OF RATE BASE								
FED AWARDS - ON (NEG RATE)			10,605		2,430		1,431	
FED AWARDS - OFF (NEG RATE)			2,912		30		476	
FED AWARDS - RES TRN								
FED AWARDS - (LESS THAN NEG)	525		2,480		1,189		1,316	
NON-FEDERAL SOURCES	68,786		4,165		112		1,399	
TOTAL	69,311		20,162		3,761		4,622	
MISCELLANEOUS STATISTICS								
COST SHARING IN BASE (000's)	11		1,100		55		493	
ASSIGNABLE SQUARE FEET (ASF)	605,558		224,299		8,978		8,914	

Part I
Summary Data Elements for F&A Rate Proposal - Schedule B

Name of Institution: MICHIGAN TECHNOLOGICAL UNIVERSITY

Historical Base Year: 07/01/2010 - 06/30/2011

Base Year Rate Calculation Summary by Major Function (dollars in thousands)

	IDR		OR		MTRI		OSA	
	(\$)	(%)	(\$)	(%)	(\$)	(%)	(\$)	(%)
MISCELLANEOUS STATISTICS								
PERCENT OF ASF FINANCED		1.7		2.3		0.0		0.0

Section A Required Certifications & Assurances



Certifications & Assurances

This section includes the certifications and assurances as they pertain to this Facilities and Administrative Cost proposal.

- A1 Certificate of F&A Costs (A-21: K2B)**
- A2 Certificate of Final Indirect Costs (62 FR 239)**
- A3 Additional Certifications & Assurances**

A1 – Certificate of F&A Costs

(A-21: K2B)

This is to certify that to the best of my knowledge and belief:

1. I have reviewed the F&A cost proposal submitted herewith.
2. All costs included in this proposal as of June 30, 2011 to establish billing our final F&A cost rate for the period July 1, 2012 to June 30, 2016 are allowable in accordance with the requirements of the Federal agreement(s) to which they apply and with cost principles applicable to those agreements.
3. This proposal does not include any costs which are unallowable under applicable cost principles such as (without limitation): advertising and public relations costs, contributions and donations, entertainment costs, fines and penalties, lobbying costs, and defense of fraud proceedings.
4. All costs included in this proposal are properly allocable to Federal agreements on the basis of a beneficial or causal relationship between the expenses incurred and the agreements to which they are allocated in accordance with applicable requirements.

I declare under penalty of perjury that the foregoing is true and correct.

Institution: Michigan Technological University

Signature: 

Name of Official: Daniel D. Greenlee

Title: Chief Financial Officer and Treasurer of the Board of Control

Date of Execution: December 23, 2011

A2 – Certificate of Final Indirect Costs

(62 FR 239)

This is to certify that I have reviewed this proposal to establish final indirect cost rates for Fiscal Year 2011 and to the best of my knowledge and belief:

1. All costs included in this proposal to establish final indirect cost rates for the period July 1, 2012 to June 30, 2016 are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) and its supplements applicable to the contracts to which the indirect cost rates will apply.
2. This proposal does not include any costs to which are expressly unallowable under applicable cost principles of the FAR or its supplements.

I declare under penalty of perjury that the foregoing is true and correct.

Institution: Michigan Technological University

Signature: 

Name of Official: Daniel D. Greenlee

Title: Chief Financial Officer and Treasurer of the Board of Control

Date of Execution: December 23, 2011

A3 – Additional Certifications & Assurances

This is to certify that I have reviewed the University's Facilities and Administrative Cost Proposal for Fiscal Year 2011 and attest to the following:

Assurance that Federal Funds are not Used to Subsidize Industry and/or Foreign Government Programs [A-21 G1a (3)]

The fund accounting system used by the University prevents subsidizing industry and/or foreign government programs. Restricted funds, including federal awards, are recorded in separate funds. Direct expenditures from these funds are restricted to the exclusive purpose of the award. Because all restricted funds are allocated to the major functions of the University (Instruction, Research, Other Institutional Activities, and other bases), the appropriate share of indirect costs is allocated to industry and/or foreign government expenditures regardless of whether or not overhead is charged on the actual activity.

Certificate of Lobbying (A-21 J24)

To the best of my knowledge and belief, the subject proposal complies with the requirements and standards of OMB Circular A-21, Section J24, *Lobbying*, in that any institutional costs associated with activities defined as lobbying have been treated as other unallowable activity costs as this section requires.

Certificate of Use Allowance or Depreciation (A-21 J12e) (FOR ONR SCHOOLS)

To the best of my knowledge and belief, the depreciation included in the subject proposal is supported by adequate property records and physical inventories taken at least once every two years to ensure that the assets exist and are usable, used, and needed.

Compliance with 26% Administrative Cap Requirements (21 G8a)

The administrative costs of the University as covered by the relevant parts of Section F of A-21 (General Administration and General Expenses, Department Administration, Sponsored Project Administration) do not exceed 26% of organized research in the proposal covered by this certification.

Assurance that Amounts Equal to Federal Reimbursement of Depreciation or Use Allowance have been Expended or Reserved to Acquire or Improve Research Facilities [A-21 J12f (2)]

The University assures that an amount equivalent to what the University receives from federal agreements for depreciation reimbursed at the full negotiated rate and in the year covered by the subject proposal, has been or will be in the next five years spent for the liquidation of the principal of debts incurred to acquire assets used directly for organized research or to acquire, repair, renovate, or improve buildings and/or equipment directly used for organized research.

Assurance on Executive Compensation

To the best of my knowledge and belief, the University is in compliance with any applicable limitations on individual compensation charged to federal awards.

Institution: Michigan Technological University

Signature: 

Name of Official: Daniel D. Greenlee

Title: Chief Financial Officer and Treasurer of the Board of Control

Date of Execution: December 23, 2011

Section B Pre-modification Rate Schedules



Pre-modification Rate Schedules

This section includes four rate schedules (Instruction, Organized Research, MTRI-Organized Research, and Other Sponsored Activities) based on actual costs for FYE June 30, 2011. In recognition of the 26% administrative cap, each rate schedule has been subdivided between the Administrative and Facilities components.

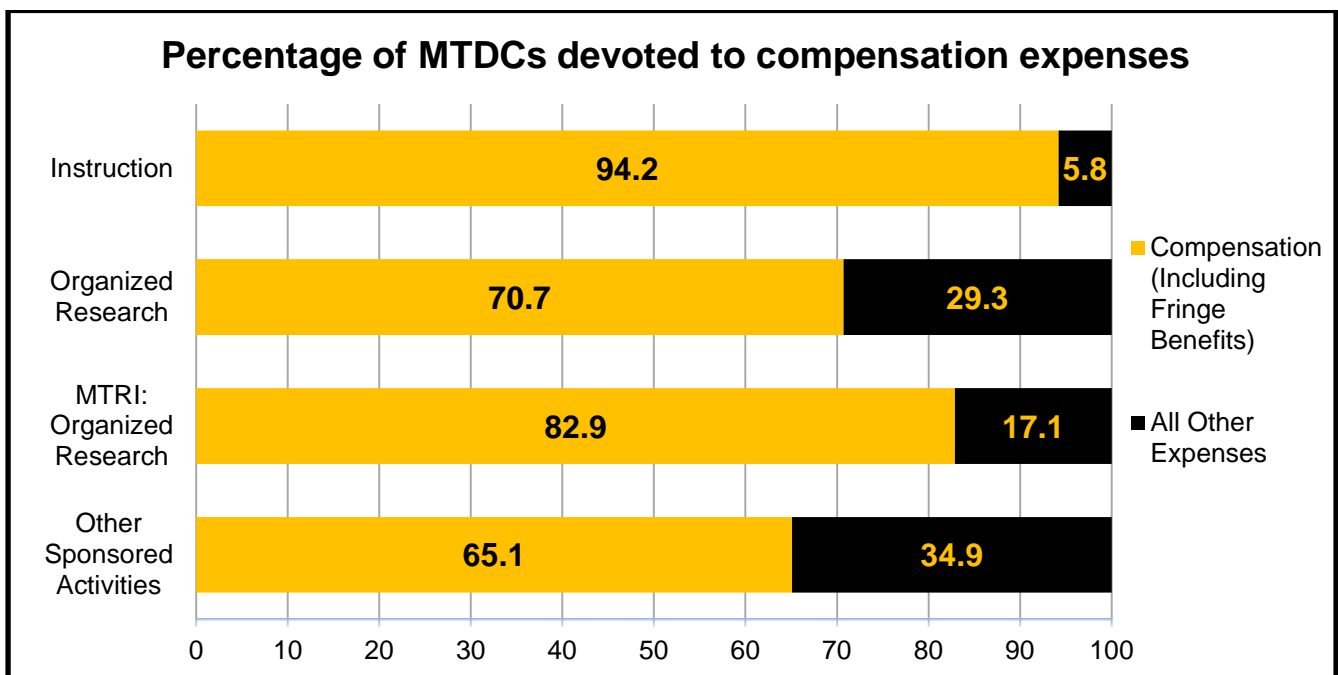
Three different bases are used when computing the rate components:

- The **All** base includes activity that takes place both on and off campus. It is used to calculate the Administrative components.
- The **On-campus** base includes activity that takes place in the University facilities. This base is used when calculating the Depreciation, Interest, Operations & Maintenance, and Library components because only on-campus projects benefit from these components.
- The **Off-campus** base includes activities when more than 50% of expenditures, excluding sub-awards, are incurred in facilities not owned or leased by Michigan Tech.

Modified Total Direct Costs

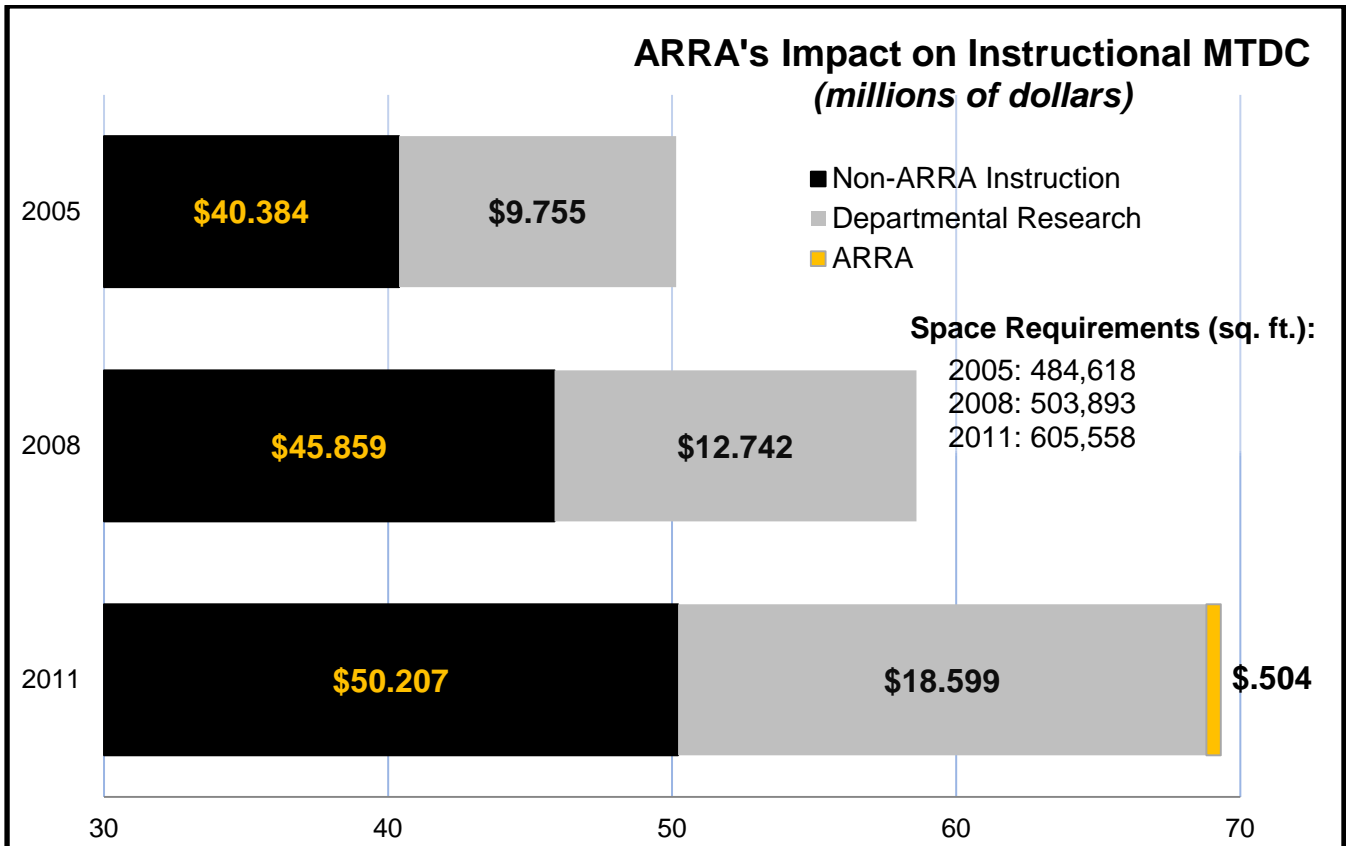
A review of the changes in the various rates must include a review of the final numerators and denominators. Because space is the allocation base for many of the line item components of the rates, our review focuses on the matching of base (MTDC) and space. Because compensation (salaries/wages and fringe benefits expenses) is the most significant component of the MTDCs, a graphical presentation of that relationship is presented below. The four graphical presentations below identify the matching of base and space for the four rates for the base years ending FY05, FY08, and FY11. The following charts also show relative impacts of ARRA funds on the MTDCs in these four areas (Instruction, Organized Research, MTRI Organized Research, and Other Sponsored Activities). The four charts are not proportional, but designed to emphasize changes in these expenditures and the sources of those changes.

Explanations are provided below each chart for significant variances that may have a bearing on the reasonableness of the proposed rates.



Recent History of Instructional MTDC

ARRA's impact on the Instructional MTDC has been significantly lower than the other three rates. There has been substantial growth in instructional space requirements from 2005 to 2011.



Significant variances in the Instruction (IDR) line item components

Compensation (salaries, wages, and fringe benefits) is the most significant expense on our financial statements as well as our MTDC. Our faculty count increased from 442 to 470, a 6% increase, from 2008 to 2011.

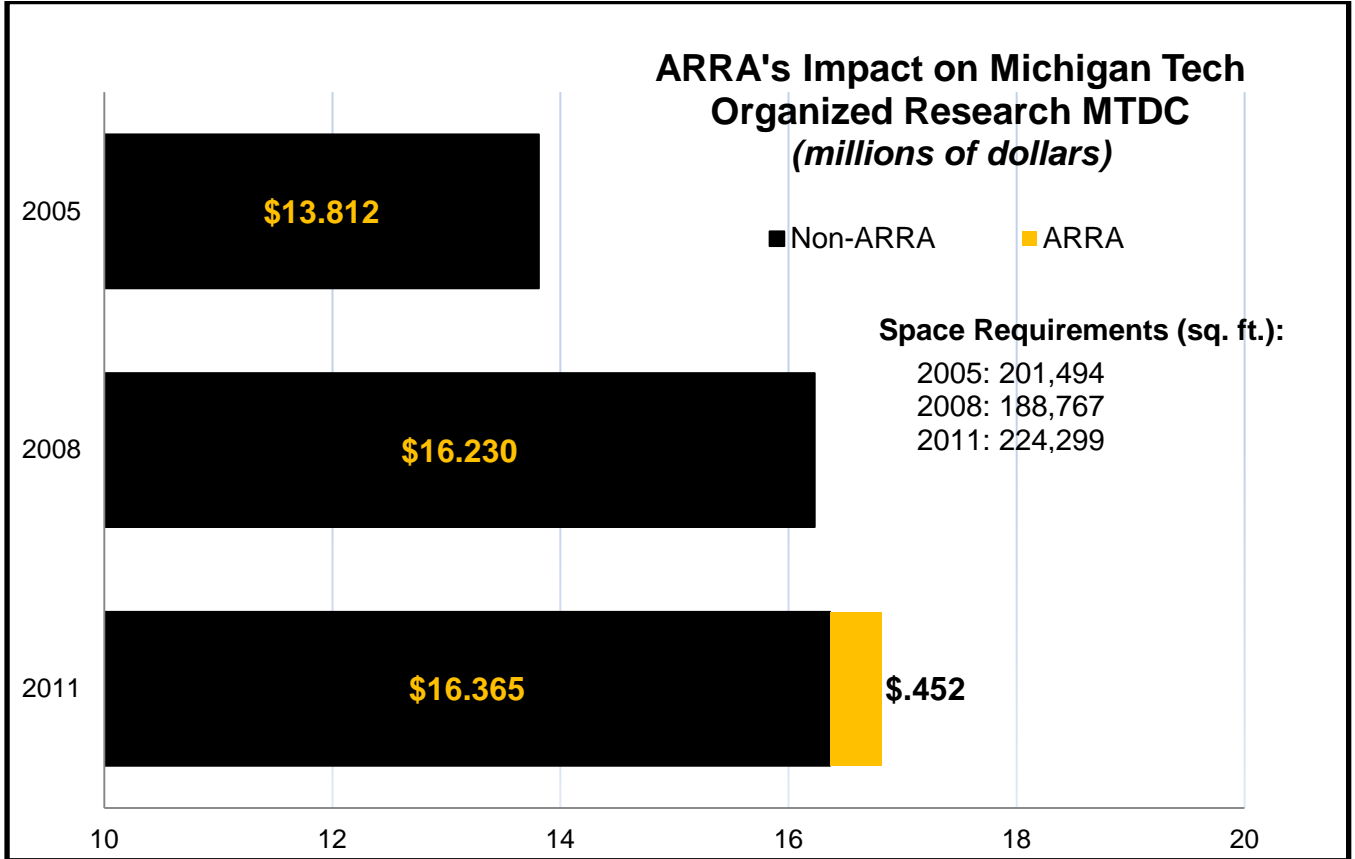
A major influence on the growth of instructional expenses has been Michigan Tech's Strategic Faculty Hiring Initiative (SFHI) that began in 2007 when the Board of Control made a commitment to enlarge the faculty by up to ten outstanding new teacher-scholars each year. These hires cross academic disciplines to focus on different research themes. In 2007 the theme was Sustainability; in 2008 it was Computational Discovery and Innovation; in 2009-2010 the themes were Health Research and Next-Generation Energy Systems; and for 2011-2012 the themes are Water and Future Transportation Systems.

In addition to SFHI, there were other direct instructional expenses, as well as an increase of \$500,000 for course and lab expenses.

The internal research referenced on page 4 of *Section i* is our departmental research. By definition, the departmental research is combined with Instruction expenses to become the base for our Instruction rate. The \$5.9 million growth of the departmental research partially explains the significant increase in our Instruction MTDC

Recent History of Organized Research MTDC

The University's On-Campus Organized Research Modified Total Direct Cost (MTDC) has increased by only 3.6% since the 2008 proposal with most of that increase due to ARRA funds. There has also been a trend of increased space requirements for the Organized Research activities.



Significant variances in the Organized Research (OR) line item components

Building depreciation costs have decreased. The most significant reason for the decrease is that we had two academic research buildings become fully depreciated based on their 40-year use life. The Chemical Science Building was built in 1969 and the R. L. Smith Building was built in 1970. In addition, we had componentized the building fixtures in the Noblet Building, and those fixtures are also now fully depreciated based on their 10-year use life.

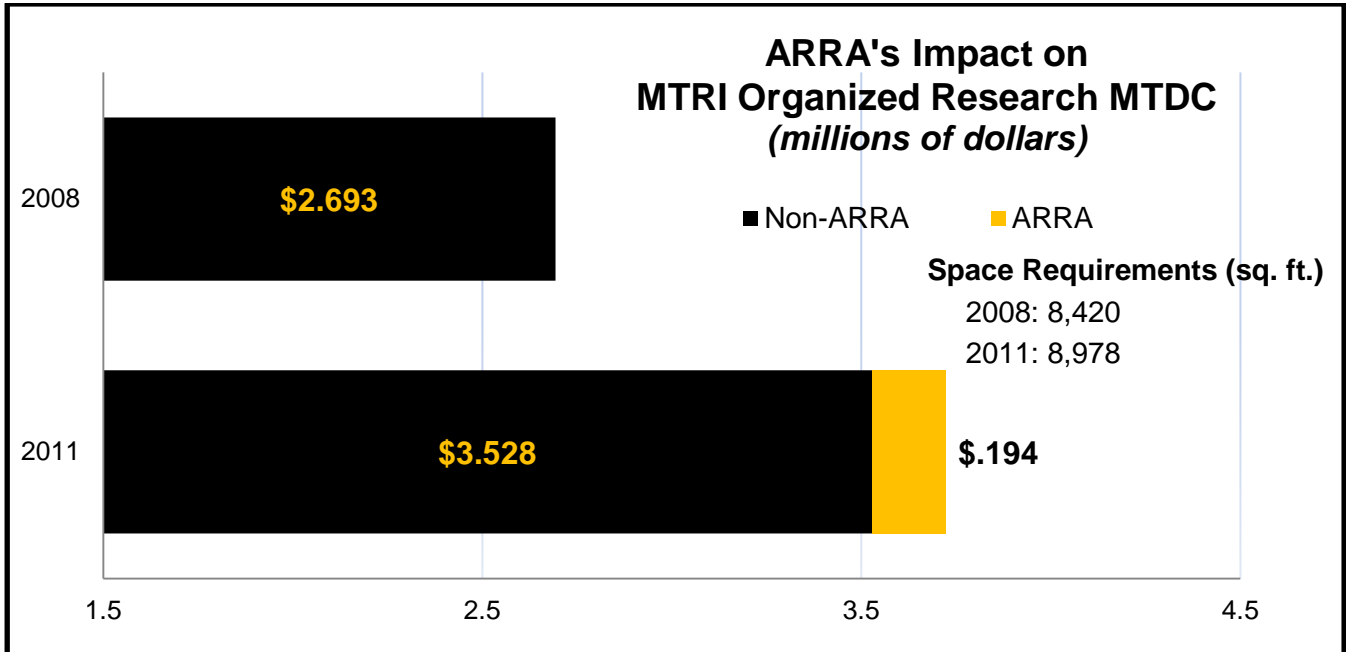
Allowable depreciation expense on equipment decreased because of the increase in amount of the recognized proration for federal and private funds exclusion. After extensive analysis, we found that we had underreported the amount of the exclusion in the previous proposals.

Although total interest expense increased, the interest expense component of the Organized Research rate decreased. Most of the new interest expense is from auxiliary activities, for example, our new residence hall. On the other hand, the interest paid by the State of Michigan on behalf of Michigan Tech for the CILIT Project decreased by \$773,000.

Total O&M expenses increased by an annual compounded rate of approximately 4%. Space changes then affected the Organized Research apportionment of O&M expenses.

Recent History of MTRI Organized Research MTDC

The most significant growth (31%) in Michigan Tech's on-campus non-ARRA MTDCs since the 2008 proposal has occurred at MTRI. ARRA funds have accounted for some of MTRI's increase.



Significant variances in the MTRI Organized Research (MTRI-OR) line item components

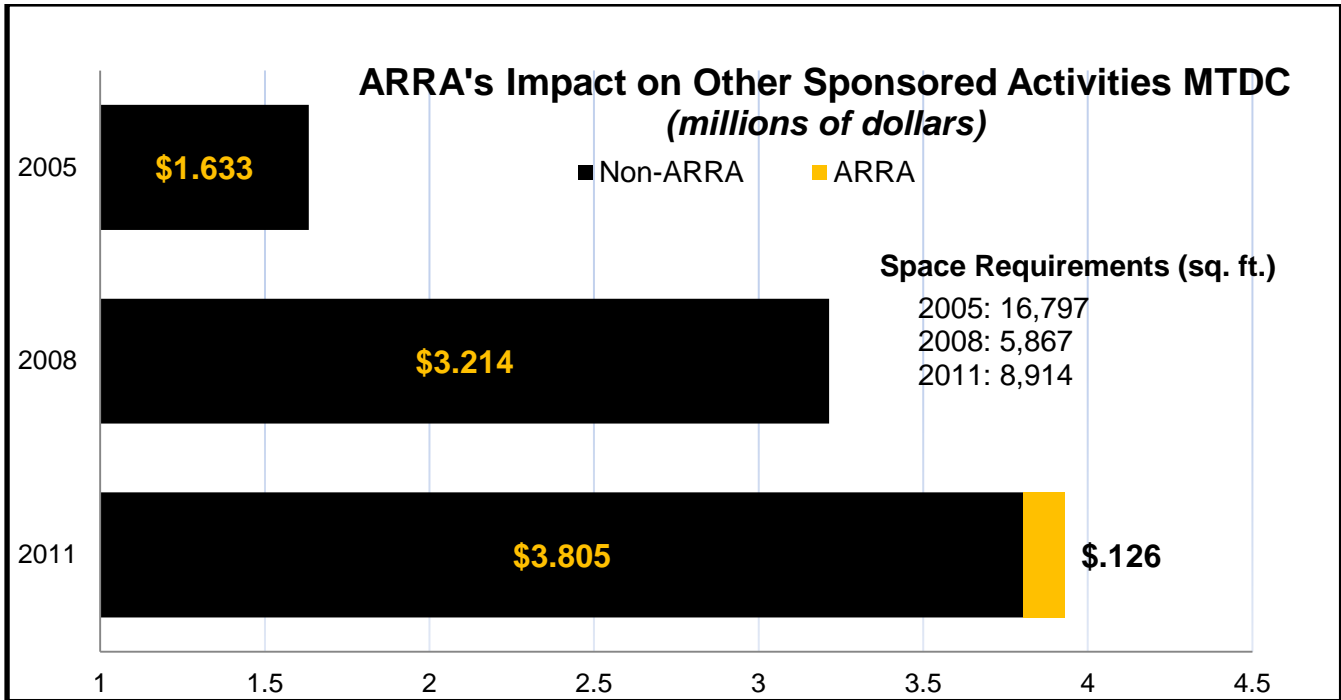
The Departmental Administration line item decreased between the 2008 and 2011 proposals. As evidenced by the increase in the research base, MTRI scientists were spending more time in 2011 working on their research contracts than writing new proposals.

The equipment line item decreased because the equipment included in the acquisition became fully depreciated

Some of the O&M costs' increase is due to the increased Department of Defense security level.

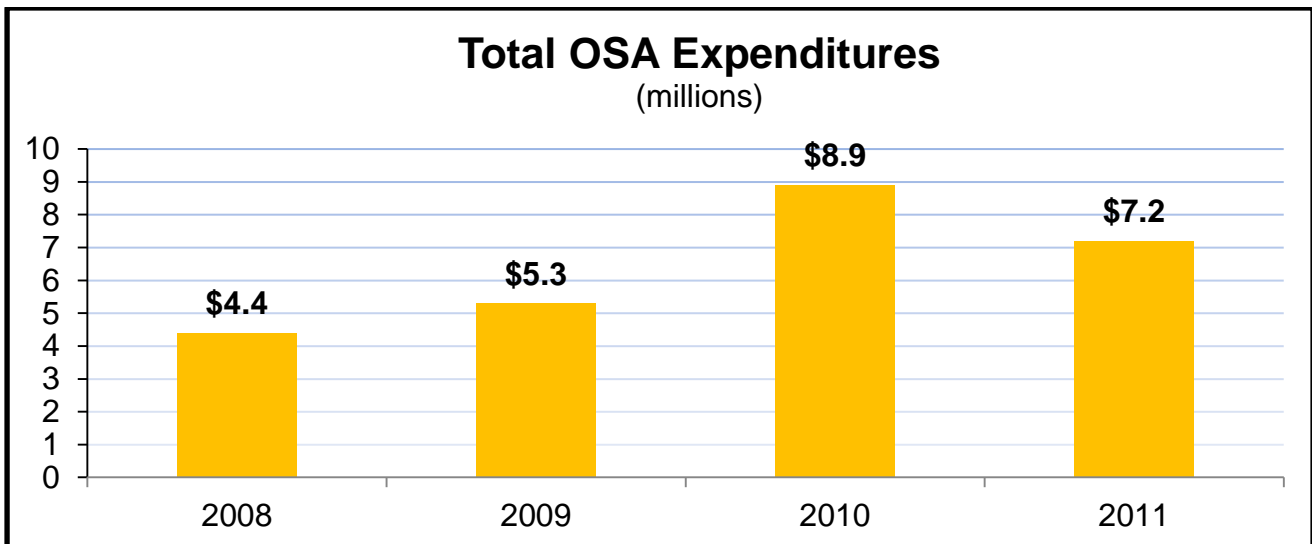
Recent History of Other Sponsored Activities MTDC

There also has been significant growth with Michigan Tech's Other Sponsored Activities (22.3%). ARRA funds have accounted for 3.9% of Other Sponsored Activities' increase. Space requirements increased between 2008 and 2011. We believe the space assignment for 2005 (as presented in the 2005 proposal) was inflated because it predated the Accounting for Space, Indexes, Research, and Equipment System (ASPIRE). ASPIRE brings objectivity rather than subjectivity to the assignment of the functional utilization of space.



Other Sponsored Activities (OSA)

The following graph using data from the *University Compendium* represents the significant increases between the total costs in our Base Year 2008 proposal and the 2011 proposal:



Rate Schedules

The schedules listed below support the instruction and research component in the proposal:

- B1** **Rate Schedule by Direct Group, Indirect Group Report (Instruction & DR).** This schedule supports the A-21 guide, Section B1a covering Instruction and Departmental Research.
- B2** **Rate Schedule by Direct Group, Indirect Group Report (Organized Research).** This schedule supports the A-21 guide, Section B1b covering both Sponsored Research and University Research.
- B3** **Rate Schedule by Direct Group, Indirect Group Report (Organized Research- MTRI).** This schedule supports the A-21 guide, Section B1b covering both Sponsored Research and University Research as it pertains to MTRI.
- B4** **Rate Schedule by Direct Group, Indirect Group Report (Other Sponsored Activity).** This schedule supports the A-21 guide, Section B1c covering Other Sponsored Activity

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 90 — INSTRUCTION & DR

Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	69,310,497	9,387,704	13.54	
30 — DEPARTMENT ADMIN	All	69,310,497	10,138,003	14.63	
60 — SPON PROJ ADMIN	All	69,310,497	75,797	0.11	
70 — STUDENT SERV ADMIN	All	69,310,497	7,696,846	11.10	
Subtotal For Administrative			27,298,350	39.38	26.00
Facilities					
05 — BUILDING	On	69,310,497	2,677,114	3.86	
10 — EQUIPMENT	On	69,310,497	787,373	1.14	
12 — INTEREST	On	69,310,497	1,844,348	2.66	
15 — OPERATIONS & MNT	On	69,310,497	6,710,945	9.68	
80 — LIBRARY	On	69,310,497	6,025,784	8.69	
Subtotal For Facilities			18,045,564	26.03	26.03
On Campus Rate:				65.41	52.03
Off Campus Rate:				39.38	26.00

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 91 — ORGANIZED RESEARCH

Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	20,161,124	2,730,707	13.54	
30 — DEPARTMENT ADMIN	All	20,161,124	2,938,411	14.57	
60 — SPON PROJ ADMIN	All	20,161,124	2,857,784	14.17	
			8,526,902	42.28	26.00
Subtotal For Administrative					
Facilities					
05 — BUILDING	On	16,817,795	777,946	4.63	
10 — EQUIPMENT	On	16,817,795	512,359	3.05	
12 — INTEREST	On	16,817,795	519,227	3.09	
15 — OPERATIONS & MNT	On	16,817,795	2,150,485	12.79	
80 — LIBRARY	On	16,817,795	278,747	1.66	
			4,238,764	25.22	25.22
Subtotal For Facilities					
On Campus Rate:				67.50	51.22
Off Campus Rate:				42.28	26.00

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 91A — ORG RES - MTRI					
Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	3,760,667	509,360	13.54	
30 — DEPARTMENT ADMIN	All	3,760,667	1,105,491	29.40	
60 — SPON PROJ ADMIN	All	3,760,667	543,394	14.45	
Subtotal For Administrative			2,158,245	57.39	26.00
Facilities					
10 — EQUIPMENT	On	3,722,041	68,707	1.85	
15 — OPERATIONS & MNT	On	3,722,041	757,146	20.34	
80 — LIBRARY	On	3,722,041	63,056	1.69	
Subtotal For Facilities			888,909	23.88	23.88
On Campus Rate:				81.27	49.88
Off Campus Rate:				57.39	26.00

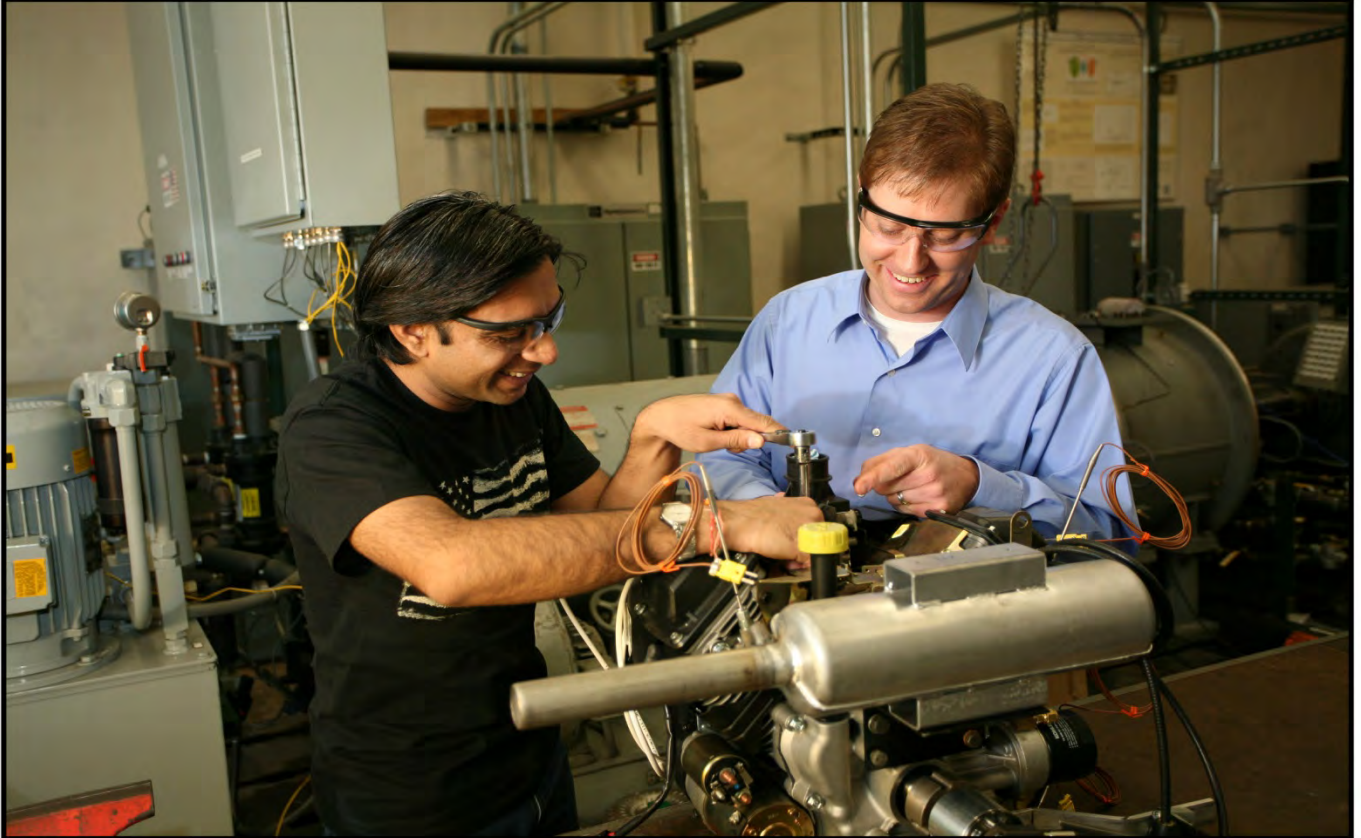
MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 92 — OTHER SPON ACTIVITIE

Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	4,622,156	626,044	13.54	
30 — DEPARTMENT ADMIN	All	4,622,156	271,502	5.87	
60 — SPON PROJ ADMIN	All	4,622,156	639,683	13.84	
Subtotal For Administrative			1,537,229	33.25	26.00
Facilities					
05 — BUILDING	On	3,930,429	25,090	0.64	
10 — EQUIPMENT	On	3,930,429	3,789	0.10	
12 — INTEREST	On	3,930,429	9,003	0.23	
15 — OPERATIONS & MNT	On	3,930,429	97,729	2.49	
80 — LIBRARY	On	3,930,429	56,471	1.44	
Subtotal For Facilities			192,082	4.90	4.90
On Campus Rate:				38.15	30.90
Off Campus Rate:				33.25	26.00

Section C Reconciliation & Step-down Schedules



Reconciliation and Step-down Schedules

This section includes six schedules (C1 through C6) which describe the flow of costs from the financial statements contained in the University's *2011 Financial Report*, to the A-21 Exclusions, to the reclassification of A-21 cost groups, and to the final step-down of costs. These schedules are summarized into A-21 cost groups and do not reflect the individual cost pools which comprise each cost pool group. Individual cost pool data is supported throughout the remainder of the rate proposal.

The six schedules are described below:

C1 **Reconciliation to the Financial Statements.** Costs from the University's *2011 Financial Report* are summarized by functional categories. All reconciling items are shown in order to arrive at the costs used in the rate calculation. The bottom row represents the total per the proposal and is used as the starting point in Schedule C2.

A copy of the *2011 Financial Report* is included as a separate enclosure. Page 52 of this financial report (in the Supplementary Information section) lists, by expense category, the financial statements amounts that are reconciled on Schedule C1.

C2 **Reconciliation Schedule 2 (Summary of A-21 Exclusions).** Costs from Schedule C1 are summarized by annual financial report categories in the first section of this schedule. The next section shows A-21 exclusions by financial statement category, which are subtracted, and the net result is used as the starting point for Schedule C3.

C3 **Reconciliation Schedule 3 (Reclassification to A-21 Cost Groups).** Costs from Schedule C2 are summarized by financial statement category at the top of the schedule. Reclassifications to A-21 cost groups are summarized for each financial statement category. Results by A-21 cost group are summed into the final column and are used as the starting point in Schedule C4. Reclassification of accounts into A-21 cost groups required a review of every account. Additional detail on the reclassification of accounts is available upon request.

C4 **Reconciliation Schedule 4 (Other Adjustments to A-21 Cost Groups).** Cost from Schedule C3 are summarized by A-21 cost group on the first line of the schedule. Adjustments and Transfer groupings and the reclassification of departmental administration are shown in summary. Final costs are shown on the last line and are the starting point for the step-down in Schedule C5.

C5 **Step-down Schedule.** Final costs and allocation results for indirect cost groups from Schedule C4 are shown in a traditional step-down format. Detailed documentation that supports the step-down is supported throughout the remainder of the rate proposal.

C6 **Final Cost Pool Summary Report.** This schedule shows final costs for each individual cost pool and direct base and ties to the result from Schedule C4.

Michigan Technological University
F&A Rate Study
Reconciliation to the Financial Statements
Fiscal Year Ended June 30, 2011

	<u>Instruction</u>	<u>Research</u>	<u>Public Service</u>	<u>Academic Support</u>	<u>Student Services</u>	<u>Institutional Support</u>	<u>Student Financial Support</u>	<u>Operations and Maintenance</u>	<u>Depreciation</u>	<u>Auxiliary Activities</u>	<u>Operating Expenses Total</u>
Per Audited Financial Statements:											
Combined totals	57,896,734	52,610,887	8,397,511	10,109,614	7,136,967	29,045,585	2,148,432	11,935,580	13,248,222	24,495,721	217,025,253
Reconciling item - Rounding	66	162	29	11	19	66	6	8	1	8	376
Total	<u>57,896,800</u>	<u>52,611,049</u>	<u>8,397,540</u>	<u>10,109,625</u>	<u>7,136,986</u>	<u>29,045,651</u>	<u>2,148,438</u>	<u>11,935,588</u>	<u>13,248,223</u>	<u>24,495,729</u>	<u>217,025,629</u>
Per F&A Rate Calc:											
Control expenses	<u>57,896,800</u>	<u>52,611,049</u>	<u>8,397,540</u>	<u>10,109,625</u>	<u>7,136,986</u>	<u>29,045,651</u>	<u>2,148,438</u>	<u>11,935,588</u>	<u>13,248,223</u>	<u>24,495,729</u>	<u>217,025,629</u>

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Reconciliation Schedule 2

Item	Instruct	Research	Pub Srvc	Acad Sup	Stu Svc	Inst Sup	Fin Aid	O&M	Deprec	Aux	Total
DOWNLOAD											
ALL FUNDS	57,896,800	52,611,049	8,397,540	10,109,625	7,136,986	29,045,651	2,148,438	11,935,588	13,248,223	24,495,729	217,025,629
TOTAL DOWNLOAD	57,896,800	52,611,049	8,397,540	10,109,625	7,136,986	29,045,651	2,148,438	11,935,588	13,248,223	24,495,729	217,025,629
FB/OTH DISTRIBUTION											
Distributed to											
Distributed from											
TOTAL DISTRIBUTION	0	0	0	0	0	0	0	0	0	0	0
EXCLUSIONS											
Capital/Equip	-748,276	-2,817,905	-14,395	-37,958	-24,566	-554,860		-396,108		-1,900,060	-6,494,155
Plant Funds						-1,320,000		1,538,074	-13,248,223		-13,030,149
Loan Funds							-121,756				-121,756
Indirect Cost Rec	-271,597	1,783,280	-1,510,322				1,368				-7
S&F/Student Aid	-3,495,656	-2,643,530	-448,467	-35,078	-250,839	106	-2,025,314			-308,273	-9,207,051
Internal Chrg Admin											
SubK> \$25000		-3,010,235	-493,687								-3,503,922
Fringe Clearing						224,310					224,310
Cost of Sales		16								-6,012,965	-6,012,949
Unallowable	-5,223	-1,410	-2,584	-1,435	-16,808	-1,645,025				-10,132	-1,682,617
Accruals	822,780	2,803,576	13,845	155,844	51,215	531,188				2,272,553	6,851,001
TOTAL EXCLUSIONS	-3,697,972	-3,886,208	-2,455,610	81,375	-240,998	-2,764,281	-2,148,438	1,141,966	-13,248,223	-5,958,906	-33,177,295
TOTAL TO RECON3	54,198,828	48,724,841	5,941,930	10,191,000	6,895,988	26,281,370	0	13,077,554	0	18,536,823	183,848,334

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Reconciliation Schedule 3

Cost Group	Instruct	Research	Pub Srvc	Acad Sup	Stu Svc	Inst Sup	Fin Aid	O&M	Deprec	Aux	Total
PER RECON2	54,198,828	48,724,841	5,941,930	10,191,000	6,895,988	26,281,370	0	13,077,554	0	18,536,823	183,848,334
DISTRIBUTE TO											
15 OPERATIONS & MNT	291,931	436,683	148	23,436	25,174	1,714,672		13,074,071		3,764,196	19,330,211
20 GENERAL ADMIN			614	1,103,837		16,985,234					18,089,685
30 DEPARTMENT ADMIN	1,279,594	1,519,066		3,636,099							6,434,759
60 SPON PROJ ADMIN		1,030,848				2,362,208					3,393,056
70 STUDENT SERV ADMIN					6,381,954	165,775					6,547,729
80 LIBRARY				4,622,366							4,622,366
90 INSTRUCTION & DR	52,447,159	21,483,346	122,615	513,378							74,566,498
91 ORGANIZED RESEARCH		20,172,512	11,050								20,183,562
91A ORG RES - MTRI		3,760,667									3,760,667
92 OTHER SPON ACTIVITIE		8,027	4,623,786								4,631,813
95 OTHER INST ACTIVITY	180,144	313,682	1,183,717	291,884	488,860	5,053,581		3,483		14,772,627	22,287,988
TOTAL	54,198,828	48,724,841	5,941,930	10,191,000	6,895,988	26,281,370	0	13,077,554	0	18,536,823	183,848,334
											Above to Recon4

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**MICHIGAN TECHNOLOGICAL UNIVERSITY
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Reconciliation Schedule 4

Item	BLDG	EQP	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
PER RECON3				19,330,211	18,089,685	6,404,759	3,393,056	6,547,729	4,622,366	74,566,466	20,183,662	3,750,667	4,631,615	22,287,986	183,848,334
BDG/EQP															
BUILDING	7,965,754														7,965,754
EQUIPMENT		3,156,180													3,156,180
TOTAL BD/EQ	7,965,754	3,156,180													11,121,934
ADJUSTMENT															
INTEREST			5,996,877												5,996,877
TOTAL ADJ			5,996,877												5,996,877
TRANSFER															
ADMIN SCRUBBING															
DEAN SCRUB						-203,901				-203,901					
BLDG SPECIFIC O&				6,114											-6,114
TOT TRANSFER				6,114		-203,901				-203,901					-6,114
DEPT ADMIN															
SALARIES & WAGES						3,526,939				-3,519,074	-4,471			-3,394	
BENEFITS						1,133,708				-1,131,606	-696			-1,404	
OTHER						831,350				-809,220	-17,271			-4,859	
TOT DEPT ADM						5,491,997				-5,459,902	-22,438			-9,657	
TO STEPDOWN	7,965,754	3,156,180	5,996,877	19,336,325	18,089,685	11,722,855	3,393,056	6,547,729	4,622,366	69,310,497	20,161,124	3,760,667	4,622,156	22,281,874	200,987,145

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MICHIGAN TECHNOLOGICAL UNIVERSITY
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Stepdown Schedule

Cost Group	Total Cost	BLDG	EQP	INT	O&M	G&A	DA	SPA	SSA	LIBR	Total
INDIRECT POOLS											
05 BUILDING	7,965,754	-7,965,754									
10 EQUIPMENT	3,156,180		-3,156,180								
12 INTEREST	5,996,877			-5,996,877							
15 OPERATIONS & MNT	19,336,325	363,452	256,363	245,400	-20,201,540						
20 GENERAL ADMIN	18,089,685	167,563	997,669	81,627	496,336	-19,832,880					
30 DEPARTMENT ADMIN	11,722,855	267,426	57,049	141,576	728,802	1,587,795	-14,505,503				
60 SPON PROJ ADMIN	3,393,056	91,680	10,522	54,977	110,922	459,570		-4,120,727			
70 STUDENT SERV ADMIN	6,547,729	10,671	32,036	1,347	218,211	886,852			-7,696,846		
80 LIBRARY	4,622,366	345,896	16,862	188,324	1,046,179	626,073				-6,845,700	
DIRECT BASES											
90 INSTRUCTION & DR	69,310,497	2,677,114	787,373	1,844,348	6,710,945	9,387,704	10,138,003	75,797	7,696,846	6,025,784	114,654,411
91 ORGANIZED RESEARCH	20,161,124	777,946	512,359	519,227	2,150,485	2,730,707	2,938,411	2,857,784		278,747	32,926,790
91A ORG RES - MTRI	3,760,667		68,707		757,146	509,360	1,105,491	543,394		63,056	6,807,821
92 OTHER SPON ACTIVITIE	4,622,156	25,090	3,789	9,003	97,729	626,044	271,502	639,683		56,471	6,351,467
95 OTHER INST ACTIVITY	22,281,874	3,238,912	413,449	2,911,039	7,884,799	3,018,779	52,093	4,069		421,642	40,226,656
TOTAL	200,967,145	-4	-2	-9	14	4	-3				200,967,145

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MICHIGAN TECHNOLOGICAL UNIVERSITY
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Final Cost Pool Summary Report

Cost Pool	Salaries	Benefits	Other	Amount
Cost Group: 05 — BUILDING				
005 — BUILDING	0	0	7,622,490	7,622,490
010 — CAPITAL IMPROVEMENTS	0	0	343,264	343,264
Total Cost Group: 05	0	0	7,965,754	7,965,754
Cost Group: 10 — EQUIPMENT				
050 — EQUIPMENT BY ROOM	0	0	2,288,140	2,288,140
055 — EQUIPMENT BY DEPT	0	0	825,230	825,230
060 — EQUIPMENT IN COMMON SPACE	0	0	42,810	42,810
Total Cost Group: 10	0	0	3,156,180	3,156,180
Cost Group: 12 — INTEREST				
090 — INTEREST	0	0	5,878,890	5,878,890
095 — INTEREST INFRASTR.	0	0	117,987	117,987
Total Cost Group: 12	0	0	5,996,877	5,996,877
Cost Group: 15 — OPERATIONS & MNT				
105 — UTILITIES	452,713	157,662	7,251,598	7,861,973
106 — KRC_OM	0	0	9,184	9,184
110 — BLDG SPECIFIC OM	631,381	198,940	1,513,799	2,344,120
115 — AUX OM	30,550	7,413	1,016,419	1,054,382
130 — BUILDING MAINTENANCE	2,352,561	754,034	1,184,239	4,290,834
133 — OM MTRI	72,101	27,276	274,761	374,138
135 — CAMPUS WIDE O&M	2,019,977	704,369	677,348	3,401,694
Total Cost Group: 15	5,559,283	1,849,694	11,927,348	19,336,325
Cost Group: 20 — GENERAL ADMIN				
200 — GENERAL ADMIN - GEN	8,301,669	5,902,164	3,885,852	18,089,685
Total Cost Group: 20	8,301,669	5,902,164	3,885,852	18,089,685
Cost Group: 30 — DEPARTMENT ADMIN				
302 — CA-DEAN ENGR	599,417	268,792	126,024	994,233
303 — CA-DEAN FORESTRY	344,056	120,989	55,759	520,804
304 — CA-DEAN ARTS/SCI	282,209	107,358	67,886	457,453
306 — CA-DEAN BUSINESS	708,761	252,129	318,704	1,279,594
308 — CA-DEAN TECHNOLOGY	430,090	186,493	80,082	696,665
310 — CA- KRC ADMIN	169,746	82,797	172,514	425,057
401 — DA-School of Business	118,985	40,213	6,602	165,800
403 — DA-Dean of Engineering	67,536	21,909	61,348	150,793
404 — DA-Engineering Fundamentals	105,337	32,489	12,949	150,775
405 — DA-Chemical Engineering	156,151	51,728	29,900	237,779

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Final Cost Pool Summary Report

Cost Pool	Salaries	Benefits	Other	Amount
406 — DA-Chemistry	210,780	64,116	31,201	306,097
407 — DA-Civil & Environmental Engin	185,643	61,726	29,115	276,484
409 — DA-Electrical and Computer Eng	214,664	69,510	37,192	321,366
411 — DA-Geological & Mining Eng & S	119,221	40,630	22,546	182,397
413 — DA-Mechanical Engrg-Engrg Mech	300,409	95,260	57,290	452,959
414 — DA-Materials Science and Engin	126,817	44,313	23,375	194,505
420 — DA-Forestry	218,323	69,448	63,295	351,066
431 — DA-Biological Sciences	132,520	47,207	39,231	218,958
432 — DA-Visual and Performing Arts	100,165	36,113	21,660	157,938
433 — DA-Humanities	309,891	91,816	32,361	434,068
434 — DA-Mathematical Sciences	374,009	112,725	28,289	515,023
435 — DA-Computer Sciences	169,571	54,329	14,218	238,118
436 — DA-Kinesiology & Int Physiology	33,410	10,721	8,091	52,222
437 — DA-Physics	215,712	65,895	27,722	309,329
440 — DA-Social Sciences	95,201	31,362	6,390	132,953
450 — DA-School of Technology	70,326	24,923	7,276	102,525
455 — DA-Educational Tech Svcs	570,175	197,814	45,659	813,648
473 — DA-MTRI	403,547	150,901	324,219	878,667
475 — DA-Keweenaw Research Center	152,829	50,655	363,088	566,572
476 — DA-Biomedical Engineering	55,887	18,376	11,911	86,174
478 — DA-Cogn Learning	36,572	12,223	4,038	52,833
Total Cost Group: 30	7,077,960	2,514,960	2,129,935	11,722,855
Cost Group: 60 — SPON PROJ ADMIN				
600 — SPON PROJ ADMIN	2,007,323	752,385	633,348	3,393,056
Total Cost Group: 60	2,007,323	752,385	633,348	3,393,056
Cost Group: 70 — STUDENT SERV ADMIN				
700 — STUDENT SERV ADMIN	3,667,984	1,293,976	1,585,769	6,547,729
Total Cost Group: 70	3,667,984	1,293,976	1,585,769	6,547,729
Cost Group: 80 — LIBRARY				
800 — LIBRARY	1,074,896	411,580	3,135,890	4,622,366
Total Cost Group: 80	1,074,896	411,580	3,135,890	4,622,366
Cost Group: 90 — INSTRUCTION & DR				
900 — INSTRUCTION & DR	46,071,193	14,790,906	8,448,398	69,310,497
Total Cost Group: 90	46,071,193	14,790,906	8,448,398	69,310,497
Cost Group: 91 — ORGANIZED RESEARCH				
910 — ORGANIZED RESEARCH	7,942,886	1,290,285	3,064,712	12,297,883
911 — KEWEENAW RESEARCH CT	1,709,986	511,483	1,774,622	3,996,091

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Final Cost Pool Summary Report

Cost Pool	Salaries	Benefits	Other	Amount
912 —FIELD RESEARCH	2,336,960	451,585	1,078,605	3,867,150
Total Cost Group: 91	11,989,832	2,253,353	5,917,939	20,161,124
Cost Group: 91A — ORG RES - MTRI				
913 —RESEARCH MTRI	2,328,829	787,553	644,285	3,760,667
Total Cost Group: 91A	2,328,829	787,553	644,285	3,760,667
Cost Group: 92 — OTHER SPON ACTIVITIE				
920 —PUBLIC SERVICE/OSA	2,350,936	651,731	1,619,489	4,622,156
Total Cost Group: 92	2,350,936	651,731	1,619,489	4,622,156
Cost Group: 95 — OTHER INST ACTIVITY				
930 —OTHER INST ACTIVITY	935,114	274,031	489,715	1,698,860
931 —OTH INST ACT-UNALLOW	2,686,264	980,471	2,399,385	6,066,120
970 —AUXILIARY OPERATIONS	9,714,588	2,693,459	2,108,847	14,516,894
Total Cost Group: 95	13,335,966	3,947,961	4,997,947	22,281,874
TOTAL:	103,765,871	35,156,263	62,045,011	200,967,145



Section D

Building Charge Schedules



Building Charges Schedules

This section includes the supporting schedules for the allocation of building charges. Building depreciation was calculated for all buildings and improvements based on the following table and a 10% salvage value, with the exception of land improvements and infrastructure. All federal funds have been removed.

Classification	Useful Life	Salvage Value
Land Improvements	20 years	0%
Infrastructure	20 years	0%
Buildings	40 years	10%
Building Components	20 years	10%
Building Improvements	20 years	10%
Building Fixtures	10 years	10%

Reconciliation to the Financial Statements:

Amount per Financial Statements, Cost of Capital Assets		See page 33 of the footnotes to the annual financial report
Buildings	\$ 329,307,318	
Land improvements	1,517,098	
Infrastructure	5,048,949	
Total per Financials	335,873,365	
Amount per F&A proposal	(335,873,365)	See Building Cost, Schedule D1.
Difference	\$ -	Rounding

The schedules listed below support the building component in the proposal:

- D1 Building Calculation by Class Report.** This schedule supports the building costs used as the starting point for the building charges calculation. The Building Cost Group has two cost pools: Building and Capital Improvements. The Building Cost Pool includes building classes BA, BC, BD, BF, and BI. The Capital Improvements Cost Pool includes building classes IS and LI. The federal amount column reports the funding from federal sources. This amount is therefore excluded from our building charges assigned to buildings. The final column represents the final building charges used in the allocation of buildings.
- D2 Cost Group Step-down Schedule (Summary by Building).** This schedule summarizes the allocation results of the building cost pools that are used in the proposal. The allocation results of the two cost pools are shown in Schedules D3 and D4.
- D3 Allocation by Building Schedule (Building Depreciation).** This schedule shows allocation of building depreciation to cost groups on a building-by-building basis.
- D4 FTE Allocation Report (Capital Improvement).** This schedule shows allocation of Capital Improvements (Infrastructure [IS] and Land Improvements [LI]) to cost groups on the basis of FTEs. Student FTEs are allocated to instruction and employees are allocated to all functions on the basis of salaries and wages.

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Building Calculation By Class Report

Building Class:	Building Cost	Fed Amount	Total Accepted	Use/Depr Amount
BA — Bldg Additions	1,277,003	0	1,277,003	31,316
BC — Bldg Comp HVAC/Ele	14,927,694	0	14,927,694	669,193
BD — Buildings	269,508,845	2,540,423	266,968,422	5,139,894
BF — Bldg Comp Fix/Finshg	3,572,695	0	3,572,695	178,865
BI — Bldg Improvements	40,021,082	2,861,670	37,159,412	1,605,368
IS — Infrastructure	5,048,948	0	5,048,948	267,408
LI — Land Improvements	1,517,098	0	1,517,098	75,856
TOTAL:	335,873,365	5,402,093	330,471,272	7,967,900

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Cost Group Stepdown Schedule

Cost Pool	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Group: 05 - BUILDING													
005 - BUILDING		357,608	158,833	259,984	89,569	6,814	344,788	2,389,851	767,255		22,924	3,227,034	7,624,636
010 - CAPITAL IMPROVEMENTS		5,846	8,730	7,442	2,111	3,857	1,130	287,263	10,691		2,166	14,024	343,260
Subtotal Cost Group: 05		363,452	167,563	267,426	91,680	10,671	345,898	2,677,114	777,946		25,090	3,241,058	7,967,896

|----- See Rate Schedules -----|

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Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 005 - BUILDING													
01 - Administration Building		241	5,049			6,814		765			72	2,554	15,495
03 - Lakeshore Center		30,598	110,341		78,601				280			23,791	243,611
04 - ROTC Building		12	171	333				2,749					3,265
05 - Academic Offices Building		138		954				8,473	88		267	6	9,926
06 - Annex Building								917	913		1		1,831
07 - Electrical Energy Resources Ct		3,687	24,279	20,756				200,447	33,634		116	2,974	285,893
08 - Dow Envir Sciences & Engr Bldg		46,352		37,567				698,114	162,147		3,255	6,240	953,675
09 - Alumni House			1,743									1,009	2,752
10 - Rozsa Cntr for Performing Arts								6,863				561,094	567,757
102 - Advnod Power Systems Rsch Ctr								5,202	22,797			1,065	29,064
11 - Walker Arts & Humanities Ctr		3,101		24,406				138,762	903		898	11,705	179,775
12 - Minerals & Materials Engr Bldg		12,635	12,388	67,781	53			412,367	236,198		9,842	52,533	803,797
13 - Hamar House								381	381			3,203	3,965
14 - Grover C. Dillman Hall		92	76	1,330	16			19,493	3,497		2,739	69	27,312
15 - Fisher Hall		1,211	1,241	3,484				84,750	9,653			1,834	102,173
16 - Widmaier House		1,123											1,123
17 - J. R. Van Pelt Library		3,092	513	1,642			344,766	4,179	510		1,691		356,393
18 - U. J. Noblet Forestry Building		671		18,431				139,025	172,743		3,268	2,313	336,481
19 - Chemical Sciences & Engr Bldg		2,476		4,958				142,404	23,420		12	3,218	176,488
20 - R. L. Smith Building		720		1,109				58,867	10,334		215	399	71,644
21 - Volatile Liquid & Gases Bldg								146					146
24 - Student Development Complex				651				46,778	4,132		197	538,993	590,751
25 - Sherman Field Press Box												2,943	2,943
26 - MITN Uplink Equipment Bldg			2,987										2,987
27 - Ford Forestry Center												10,208	10,208
28 - Kanwal and Ann Rekhi Hall				56,114				327,899	14,872			7,107	405,992
30 - Little Huskies Child Care												17,532	17,532
31 - Douglass Houghton Hall												48,583	48,583
32 - Daniell Heights												50,121	50,121
34 - Memorial Union Building		5,911										282,688	288,599
36 - Tech House												405	405
37 - Wadsworth Hall												830,599	830,599
38 - West McNair Hall												10,320	10,320
39 - McNair Hall Food Services												72,544	72,544
40 - East McNair Hall												4,662	4,662
41 - Central Heating Plant		28,316											28,316

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Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 005 - BUILDING													
44 - Facilities Mgt Building		14,708											14,708
45 - Kettle-Gundlach House												7,745	7,745
46 - Nordic Ski Waxing Center												3,463	3,463
47 - Vivian House												2,146	2,146
48 - Hillside Place												576,206	576,206
49 - Waste Mgmt Resrces Recvry Bldg								2,245					2,245
50 - Gates Tennis Center								11,091				12,480	23,571
51 - O'Connor House												1,394	1,394
52 - Portage Lake Golf Course												18,527	18,527
53 - Mont Ripley Ski Hill								41				122	163
55 - Mont Ripley Storage Building												1,123	1,123
56 - Daniell Heights storage buildi												387	387
57 - Hagen House												1,521	1,521
58 - Golf Course Storage Building												344	344
59 - Golf Course Storage Building												244	244
60 - Golf Course - Cart Storage												897	897
61 - Golf Course - Cart Storage												416	416
62 - Golf Course Cart Storage												271	271
63 - Golf Course Maint Bldg												727	727
65 - Daniell Heights Storage Bldg												1,546	1,546
69 - KRC Engineering Design Center				16,257				462	47,901			301	64,921
77 - KRC Water Truck Storage		458							1,833				2,291
78 - KRC Engineering Support Facil									2,397				2,397
79 - KRC Chrysler Support Fac II									4,500				4,500
80 - KRC Cold Storage Building		1,335							1,335				2,670
81 - Power Generation Bldg		199,752											199,752
82 - Ruppe-Gundlach House												14,341	14,341
84 - Harold Meese Center								33,225	2,836		51	51	36,163
88 - Chemical Storage Building		929											929
90 - Sands Pilot Plant		48							3,647				3,695
92 - Alternative Enrgy Rsch Bldg								3,761	6,304				10,065
94 - AMJOCH Observatory								1,350					1,350
95 - ATDC				4,211	10,899			39,295			270	28,195	82,870
96 - Portage Lake Vault												3,875	3,875
97 - Seaman Mineral Museum			45										45

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MICHIGAN TECHNOLOGICAL UNIVERSITY
 FYE JUNE 30, 2011

Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Total Cost Pool: 005		357,606	158,833	259,984	89,569	6,614	344,766	2,389,851	767,255		22,924	3,227,034	7,624,636

|----- See Rate Schedule -----|

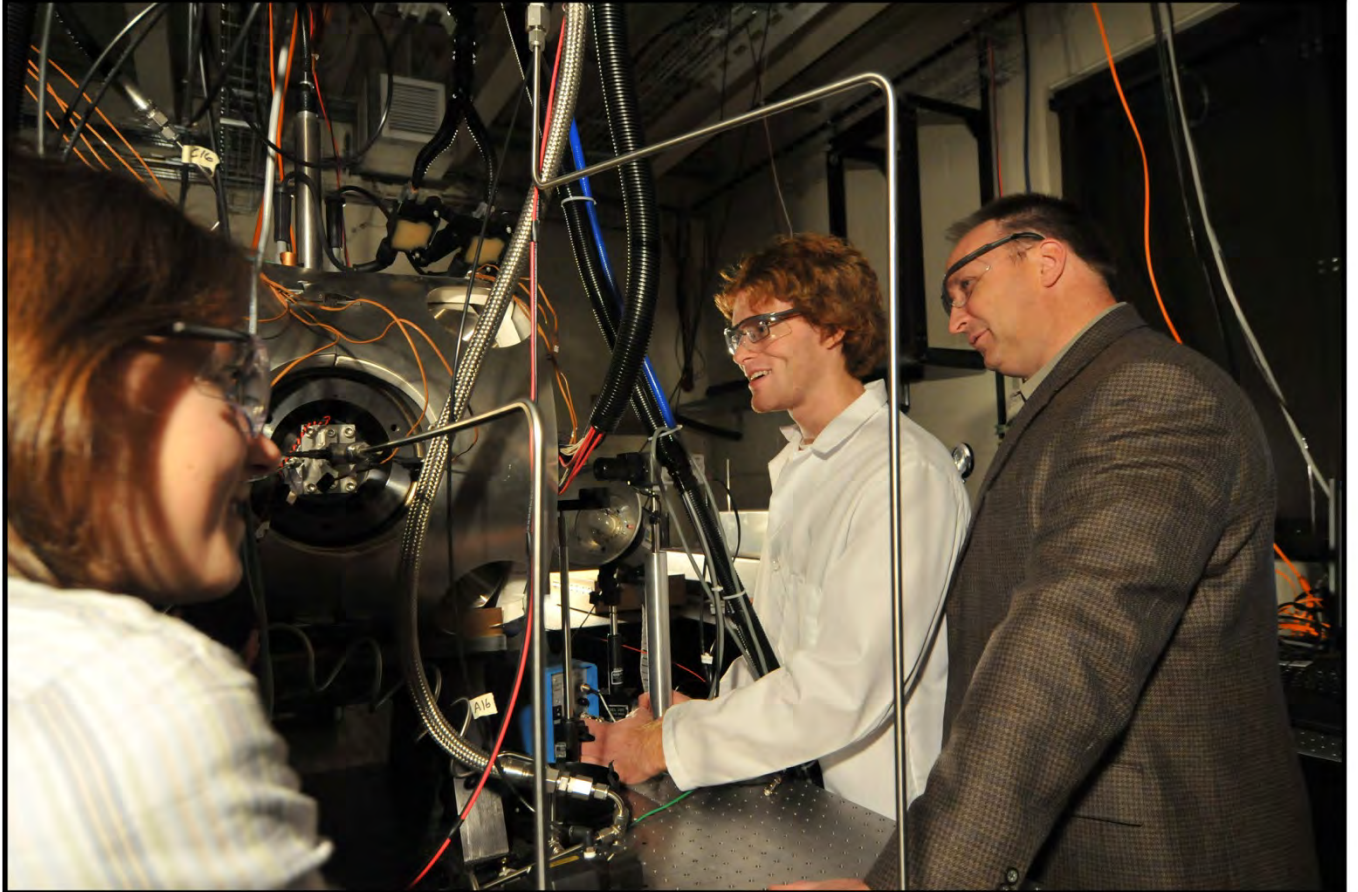
**MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011**

FTE Allocation Report

Receiving Cost Group	Stat Amount	Percent	Allocate Amt	
Cost Pool: 010 — CAPITAL IMPROVEMENTS				
Step 1:				
EMPLOYEES	1,739	30.43	104,451	
STUDENTS	3,976	69.57	238,813	
	5,715	100.00	343,264	
Step 2: EMPLOYEES				
15 OPERATIONS & MNT	5,559,283	5.60	5,846	
20 GENERAL ADMIN	8,301,669	8.36	8,730	
30 DEPARTMENT ADMIN	7,077,960	7.13	7,442	
60 SPON PROJ ADMIN	2,007,323	2.02	2,111	
70 STUDENT SERV ADMIN	3,667,984	3.69	3,857	
80 LIBRARY	1,074,896	1.08	1,130	
90 INSTRUCTION & DR	46,071,193	46.39	48,450	See Rate Schedule
91 ORGANIZED RESEARCH	10,166,889	10.23	10,691	See Rate Schedule
92 OTHER SPON ACTIVITIE	2,059,701	2.07	2,166	See Rate Schedule
95 OTHER INST ACTIVITY	13,335,966	13.42	14,024	See Rate Schedule
	99,322,864	99.99	104,447	
Step 2: STUDENTS				
90 INSTRUCTION & DR	46,071,193	100.00	238,813	See Rate Schedule
	46,071,193	100.00	238,813	

Total Cost Pool: 010

Section E Equipment Charges Schedules



Equipment Charges Schedule

This section includes the supporting schedules for the allocation of equipment charges. The average useful life is specified by University records and the actual historical data that was used. Equipment depreciation was calculated for all equipment using the straight-line method with a 0% salvage value. All federal funds and other sponsored funds used to purchase equipment have been eliminated.

<u>Classification</u>	<u>Useful Life</u>
Computer Equipment	5 years
All Other Equipment	7 years

Reconciliation to the Financial Statements:

Amount per Financial Statements, Cost of Capital Assets			See page 33 of the footnotes to the annual financial report
Equipment	\$	36,673,825	
Add: Library books		854,975	
Mineral collections		5,516,860	
Less: Deferred financing costs		(2,838,114)	
Adjusted total per Financials		40,207,546	
 Amount per F&A proposal		 (40,207,579)	 See Equipment Cost, Schedule E1
Difference	\$	(33)	Rounding

The schedules listed below support the equipment component in the proposal:

- E1 Equipment Calculation by Class Report.** This schedule supports the equipment costs used as the starting point for the equipment charges calculation. The final column represents the final equipment charges used in the allocation of equipment.
- E2 Cost Group Step-down Schedule (Equipment).** This schedule summarizes the allocation results of the Equipment Cost Pool that is used in the proposal. The allocation results of the cost pool are shown in Schedule E3.
- E3 Allocation by Building Schedule (Equipment Depreciation by Room).** This schedule shows the allocation of equipment to cost groups for equipment that was identified to a specific room. Equipment charges were allocated according to the functional use of space for the room.
- E4 Allocation by Department Report (Equipment Depreciation by Department).** This schedule shows the allocation of equipment to cost groups for equipment that was identified to a department. Equipment charges were allocated according to the functional use of space for the room.
- E5 Allocation by Building Schedule (Equipment Depreciation by Building).** This schedule shows the allocation of equipment to cost groups. Square footage by building is shown in Schedule H1 – Square Footage by Building.

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Equipment Calculation By Class Report

Equipment Class	Total Cost	Fed Amount	Private Amount	Other Excl Amt	Total Accepted	Use/Depr Amount
AB — Trailers, Unlicensed	93,303	71,113	7,100	0	15,090	1,644
AN — Automotive Unlicense	154,553	0	0	0	154,553	21,862
AO — Trailers, Licensed	567,891	524,465	0	0	43,426	5,631
AQ — Aquatic Marine/Boats	2,750	0	0	0	2,750	393
AR — Other Vehicles	15,099	0	0	0	15,099	2,158
AS — Snowmobiles	60,461	0	0	0	60,461	7,153
AT — Automotive, Non-Moto	558,216	44,804	0	0	513,412	67,528
AU — Automotive, MotorPoo	1,791,183	0	0	0	1,791,183	231,262
CE — Computer Equipment	3,885,327	162,923	5,725	0	3,716,679	712,918
CO — Communication Equipm	130,985	0	0	0	130,985	16,805
FN — Furniture	793,060	0	0	0	793,060	95,963
GR — Grounds/Lawn Equipme	276,173	3,990	0	0	272,183	35,068
HE — Heavy Equipment-Driv	1,024,582	452,226	0	0	572,356	73,558
HO — Heavy Equipment/Othe	131,350	0	0	0	131,350	17,522
IN — Instructional Equipm	100,638	0	0	0	100,638	14,377
JA — Janitorial Equipment	121,685	0	0	0	121,685	17,382
KI — Kitchen/Food Service	258,033	0	0	0	258,033	30,248
LB — Library Books	854,975	0	0	854,975	0	0
LE — Laboratory Equipment	3,218,360	1,102,234	134,387	0	1,981,739	239,774
MA — Machinery	147,509	19,685	6,377	0	121,447	16,499
MF — MTRI Fixtures & Furn	122,841	0	0	0	122,841	17,549
MI — Miscellaneous Items	55,825	0	0	0	55,825	7,975
ML — MTRI Leasehold Impro	44,917	0	0	0	44,917	8,983
MN — Mineral Collections	5,516,861	0	0	0	5,516,861	0
MU — Musical Instrument	100,196	0	0	0	100,196	11,601
NT — Network Equipment	2,786,860	0	0	0	2,786,860	363,958
OF — Office Furnishings	33,352	0	5,893	0	27,459	3,724
OM — Office Equipment Typ	972,545	0	0	0	972,545	135,298
PR — Promotional/Public R	13,406	0	0	0	13,406	1,850
RE — Refrigeration Equipm	82,633	18,600	0	0	64,033	8,244
SC — Scientific Equipment	14,595,410	7,824,854	505,479	0	6,265,077	799,315
SE — Sports & Athletic Eq	227,381	0	15,000	0	212,381	26,783
TC — Telcom Communication	953,849	0	0	0	953,849	106,698
VI — Audio Visual Equipme	515,370	77,830	4,028	0	433,512	56,431
TOTAL:	40,207,579	10,302,724	683,989	854,975	28,365,891	3,156,154

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Cost Group Stepdown Schedule

Cost Pool	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Group: 10 - EQUIPMENT													
050 - EQUIPMENT BY ROOM		37,253	539,576	51,609	8,324	5,335	16,862	743,726	484,864	68,707	2,267	329,617	2,288,140
055 - EQUIPMENT BY DEPT		218,004	453,414	3,564	354	26,568		22,242	23,989		1,489	75,597	825,231
060 - EQUIPMENT IN COMMON SPACE		1,106	4,679	1,876	1,844	133		21,405	3,506		23	8,235	42,807
Subtotal Cost Group: 10		256,363	997,669	57,049	10,522	32,036	16,862	787,373	512,359	68,707	3,789	413,449	3,156,178

|----- See Rate Schedules -----|

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 050 - EQUIPMENT BY ROOM													
01 - Administration Building			6,253			5,335		2,843			247	53,696	68,374
03 - Lakeshore Center		857	5,084		6,172							3,600	15,713
04 - ROTC Building				445									445
05 - Academic Offices Building				3,326				5,698					9,024
06 - Annex Building								276	276				552
07 - Electrical Energy Resources Ct			459,773	1,992				112,546	23,809		86	1,759	599,965
08 - Dow Envir Sciences & Engr Bldg				5,464				139,743	24,101			811	170,119
09 - Alumni House			572										572
10 - Rozsa Cntr for Performing Arts												12,551	12,551
101 - Nordic Ski Storage												2,786	2,786
102 - Advncd Power Systems Rsch Ctr								513	9,872			1,040	11,425
11 - Walker Arts & Humanities Ctr				465				542					1,007
12 - Minerals & Materials Engr Bldg			64,666	9,166				108,852	105,711		1,390	19,098	309,893
13 - Hamar House												2,017	2,017
14 - Grover C. Dillman Hall			24	1,083				12,419	2,518		539		16,593
15 - Fisher Hall								31,124	21,363			1,220	53,707
17 - J. R. Van Pelt Library		1,232					16,862						18,094
18 - U.J.Noblet Forestry Building				5,455				4,706	57,788			1,029	68,978
19 - Chemical Sciences & Engr Bldg		1,704		4,976				125,243	67,795			80	199,798
20 - R. L. Smith Building								82,916	83,911			288	147,115
24 - Student Development Complex								12,354	3,929			44,419	60,702
25 - Sherman Field Press Box												3,852	3,852
28 - Kanwal and Ann Rekhi Hall				6,238				76,958					83,196
31 - Douglass Houghton Hall												4,486	4,486
34 - Memorial Union Building												23,806	23,806
37 - Wadsworth Hall												16,317	16,317
39 - McNair Hall Food Services												61,425	61,425
40 - East McNair Hall												33,062	33,062
44 - Facilities Mgt Building		21,784											21,784
50 - Gates Tennis Center								987				867	1,734
52 - Portage Lake Golf Course												625	625
55 - Mont Ripley Storage Building												3,319	3,319
58 - Golf Course Storage Building												19,873	19,873
59 - Golf Course Storage Building												6,115	6,115
60 - Golf Course - Cart Storage												1,714	1,714
63 - Golf Course Maint. Bldg												3,423	3,423

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 050 - EQUIPMENT BY ROOM													
68 - SDC Storage Bldg												3,070	3,070
69 - KRC Engineering Design Center				4,884					2,245				7,129
70 - KRC Scientific & Admin Offices								143	4,636		5	254	5,038
71 - KRC Machine & Vehicle Shops		173		86				86	1,294			86	1,725
72 - KRC Vehicle Service Bldg		515							2,743			171	3,429
73 - KRC Vehicle Storage Bldg		5,108							5,108				10,212
74 - KRC Engineering Laboratories		234						234	62,331				62,789
78 - KRC Engineering Support Facil.									1,841				1,841
79 - KRC Chrysler Support Fac II									2,121				2,121
80 - KRC Cold Storage Building		5,277							5,277				10,554
84 - Harold Meese Center								2,656	857				3,513
89 - MTU Skitrail Groomer Storage												2,948	2,948
90 - Sands Pilot Plant									5,170				5,170
905 - Citizens Bank Bldg			3,204										3,204
906 - MTRI		371		8,018						64,748			73,138
92 - Alternative Enrgy Rsch Bldg								2,544	10,170				12,714
94 - AMJOCH Observatory								1,829					1,829
95 - ATDC					2,152			18,634					20,786
98 - Off Campus Sites										3,959			3,959
Total Cost Pool: 050		37,253	539,576	51,609	8,324	5,335	16,862	743,726	484,864	68,707	2,267	329,617	2,288,140

|----- See Rate Schedule -----|

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Allocation by Department Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 055 - EQUIPMENT BY DEPT												
10027 - President		378										378
20120 - Inst for Leadrshp & Innovati		1,068					2,993	240		23	37	4,361
22007 - College of Engineering		5	54				47	35		7	19	187
22300 - Chemistry	4		14				312	48			14	390
22550 - Geological & Mining Eng & Sc			43				2,300	173		95	23	2,634
22600 - Mechanical Eng.			154				7,863	4,564			28	12,609
23004 - Schl Forest Res and Env Sci	9		185				1,312	2,521		33	3,187	7,247
25002 - School of Technology	27		175				2,481			54		2,737
25010 - Educational Tech Svcs			1,803								1,078	2,881
28600 - Keweenaw Research Center	1,898		1,195				2,846	16,259		1	1,401	23,700
28100 - Admin Info Svcs		4,633									226	4,859
29110 - Info Tech Serv and Security		285	141				271				38	735
29120 - Telecommunications		446,971									30,026	476,997
31110 - Admissions					26,588							26,588
38040 - Athletic/Rec Facility Operat											6,122	6,122
38500 - Memorial Union											7,294	7,294
38700 - Daniell Heights Apartments											9,085	9,085
38890 - Mont Ripley							1,437				12,790	14,227
39000 - Facilities Management	215,395										4,184	219,579
39800 - Public Safety	571											571
42003 - Sponsored Programs Office		24		344				6				374
42006 - Mich Tech Transportation Ins		50		10			380	145		1,286	45	1,916
Total Cost Pool: 055	218,004	453,414	3,564	354	26,588		22,242	23,989		1,499	75,597	825,231

----- See Rate Schedule -----

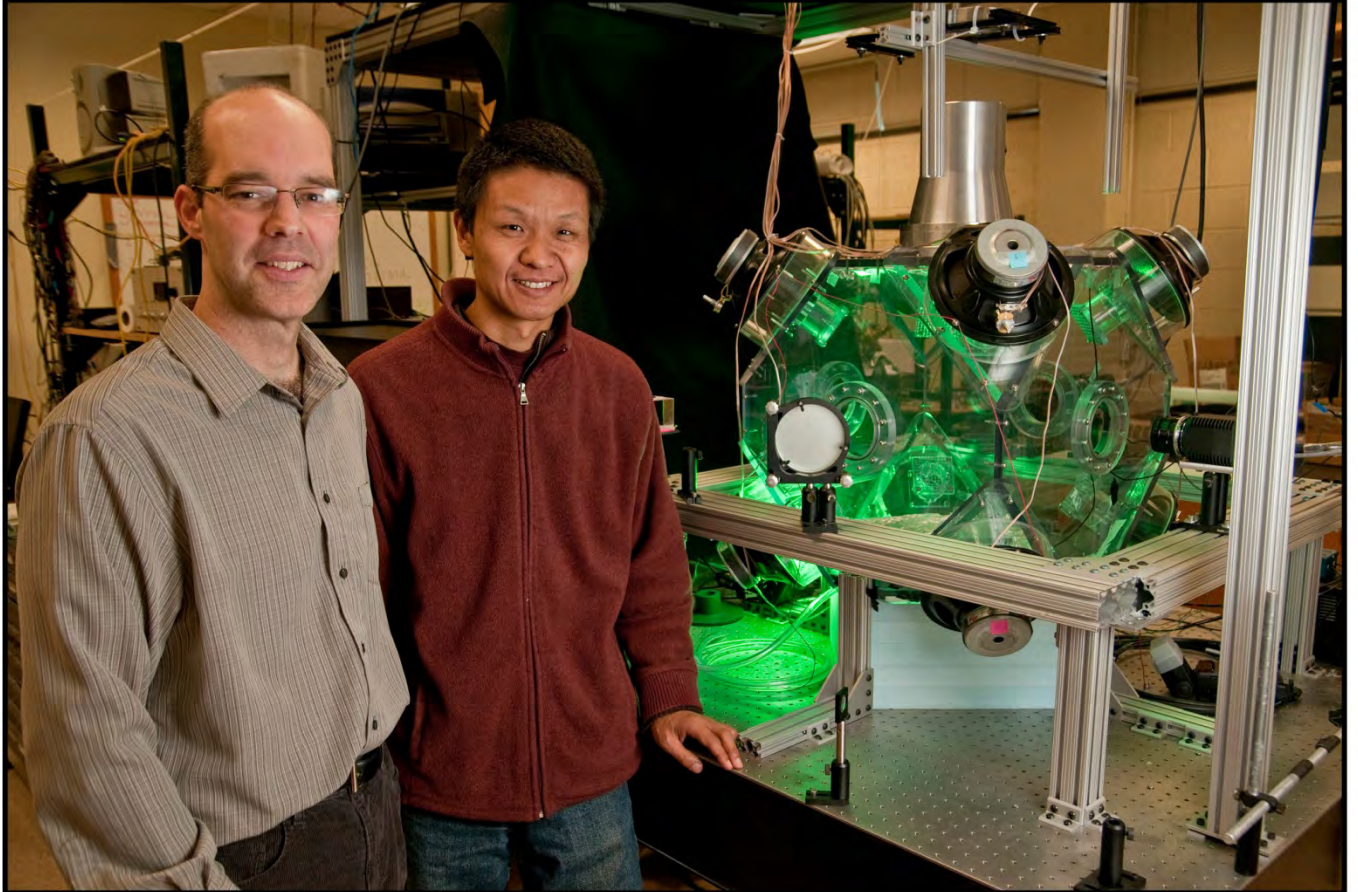
MICHIGAN TECHNOLOGICAL UNIVERSITY
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Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 080 - EQUIPMENT IN COMMON SPACE													
01 - Administration Building		4	99			133		15			1	50	302
03 - Lakeshore Center		718	2,598		1,844				7			558	5,715
07 - Electrical Energy Resources Ct		300	1,975	1,688				16,306	2,736		9	242	23,256
08 - Dow Envir Sciences & Engr Bldg		20		16				294	88		1	2	401
10 - Rozsa Cntr for Performing Arts								58				4,921	4,979
15 - Fisher Hall		17	17	48				1,173	134			25	1,414
20 - R. L. Smith Building		37		57				3,011	529		11	20	3,665
24 - Student Development Complex				2				168	15		1	1,937	2,123
28 - Kanwal and Ann Rekhi Hall				65				380	17			8	470
34 - Memorial Union Building		10										472	482
Total Cost Pool: 080		1,106	4,679	1,875	1,844	133		21,405	3,506		23	8,235	42,807

|----- See Rate Schedule -----|

Section F Interest Schedules



Interest Schedules

This section includes the supporting schedules for the expense and allocation of the Interest Cost pools. There are three different interest amounts used in this report. The first interest expense is the amount reported in the Non-operating Revenues (Expenses) section of the *2011 Financial Report*. The second interest amount included in this report is the interest paid by Michigan's State Building Authority (SBA) on behalf of the University. The third interest expense item included in the Interest Cost Pool is the amortization of the deferred financing costs. This amount was actually part of the depreciation (amortization) expense in the *2011 Financial Report*.

The two schedules listed below support the interest component in the proposal.

Reconciliation to the Annual Financial Report:

Amount per Financial Statements, Interest expense	\$	3,814,113	See page 20 of the annual financial report.
Federal bond subsidy		(462,619)	
MISBA Interest		2,557,703	See detail above.
Interest included with depreciation on the Financial Statements		87,690	Amortization of deferred financing costs.
Amount per F&A proposal before modification	\$	5,996,887	

The amounts presented below were given to us by the SBA. These are the annual amounts for FY2011.

Project	Bond Issue	Bond Interest 7/1/10 - 6/30/11
CILIT	2006 Refunding	\$402,871
General campus renovations	2007	21,066
Performing Arts Center	2005 Refunding	291,372
Environmental Science	2005 Refunding	1,842,394
Total paid by State of MI		\$2,557,703

- F1 Cost Group Step-down Schedule (Interest).** This schedule summarizes the allocation results of the Interest Cost pools that are used in the proposal. The allocation results of the cost pools are shown in schedules F2 and F3.
- F2 Allocation by Building Schedule (Building Interest).** This schedule shows direct assignment of building interest to cost groups on a building-by-building basis. Square footage by building is shown in Schedule H1 – Square Footage by Building.
- F3 Allocation by Building Schedule (Infrastructure Interest).** This schedule shows the allocation of Interest expensed from our 2003 bond series to the benefiting cost pools. This bond series was issued primarily for infrastructure (high voltage) improvements.

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Cost Group Stepdown Schedule

Cost Pool	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Group: 12 - INTEREST													
090 - INTEREST		245,400	79,132	138,904	54,540	190	182,887	1,808,828	507,890		8,477	2,852,634	5,878,882
095 - INTEREST INFRASTR.			2,486	2,672	437	1,157	5,437	35,520	11,337		526	58,405	117,986
Subtotal Cost Group: 12		245,400	81,627	141,576	54,977	1,347	188,324	1,844,348	519,227		9,003	2,911,039	5,996,868

|----- See Rate Schedules -----|

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 090 - INTEREST													
01 - Administration Building		6	141			190		21			2	71	431
03 - Lakeshore Center		21,231	76,662		54,539				194			16,608	169,034
04 - ROTC Building		1	8	16				131					156
05 - Academic Offices Building		2		12				111	1		3		129
06 - Annex Building								44	44				88
07 - Electrical Energy Resources Ct		301	1,980	1,692				18,344	2,742		9	242	23,310
08 - Dow Envir Sciences & Engr Bldg		103,190		83,632				1,554,155	360,974		7,245	13,890	2,123,086
10 - Rozsa Cntr for Performing Arts								5,489				462,221	467,710
102 - Advncd Power Systms Rsch Ctr								12,941	56,715			2,649	72,305
103 - New Mineral Museum											8	67,777	67,785
11 - Walker Arts & Humanities Ctr		6		47				271	2		2	23	351
12 - Minerals & Materials Engr Bldg		11	11	63				382	219		9	48	744
14 - Grover C. Dillman Hall		3	2	43	1			621	111		87	2	870
15 - Fisher Hall		152	156	438				10,662	1,214			230	12,852
16 - Widmaier House		1,683											1,683
17 - J. R. Van Pelt Library		1,640	272	871			182,887	2,217	270		887		189,054
18 - U.J.Noblet Forestry Building		21		576				4,343	5,396		103	72	10,511
19 - Chemical Sciences & Engr Bldg		47		95				2,714	446			61	3,363
20 - R. L. Smith Building		338		522				27,684	4,860		101	188	33,893
24 - Student Development Complex				15				1,106	98		5	12,741	13,985
28 - Kanwal and Ann Rekhi Hall				28,218				164,895	7,479			3,574	204,166
30 - Little Huskies Child Care												26,320	26,320
31 - Douglass Houghton Hall												56,578	56,578
34 - Memorial Union Building		1,671										78,911	81,582
37 - Wadsworth Hall												1,387,424	1,387,424
38 - West McNair Hall												21,515	21,515
41 - Central Heating Plant		8,560											8,560
44 - Facilities Mgt Building		257											257
48 - Hillside Place												700,162	700,162
68 - KRC Engineering Design Center				22,664				645	66,779			420	80,508
81 - Power Generation Bldg		105,280											105,280
84 - Harold Meese Center								4,052	346		6	6	4,410

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MICHIGAN TECHNOLOGICAL UNIVERSITY
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Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Total Cost Pool: 090		245,400	79,132	138,904	54,540	190	182,887	1,808,828	507,890		8,477	2,852,634	5,878,882

(----- See Rate Schedule -----)

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 095 - INTEREST INFRASTR.													
01 - Administration Building			868			1,167		130			12	434	2,681
03 - Lakeshore Center			610		435				2			131	1,178
04 - ROTC Building			44	85				704					833
05 - Academic Offices Building				101				901	9		28	1	1,040
06 - Annex Building								237	235				472
07 - Electrical Energy Resources Ct			480	394				3,801	638		2	58	5,351
08 - Dow Envir Sciences & Engr Bldg				224				4,163	967		19	37	5,410
09 - Alumni House			170									99	269
10 - Rozsa Cntr for Performing Arts								27				2,297	2,324
101 - Nordic Ski Storage												38	38
102 - Advncd Power Systms Rsch Ctr								665	2,474			116	3,155
103 - New Mineral Museum												478	478
104 - Mineral Museum Storage												89	89
11 - Walker Arts & Humanities Ctr				321				1,830	12		12	154	2,329
12 - Minerals & Materials Engr Bldg			110	604				3,675	2,105		88	468	7,050
13 - Hamar House								18	18			160	186
14 - Grover C. Dillman Hall			8	140	2			2,039	366		286	7	2,848
15 - Fisher Hall			44	124				3,020	344			66	3,598
17 - J. R. Van Pelt Library			8	26			5,437	66	8		27		5,572
18 - U.J.Nobiet Forestry Building				172				1,295	1,810		31	22	3,130
19 - Chemical Sciences & Engr Bldg				151				4,345	715			98	5,309
20 - R. L. Smith Building				83				4,409	774		16	30	5,312
201 - FFC Hemlock Residence												75	75
202 - FFC Sassafrass Residence												71	71
203 - FFC Elm Residence												80	80
204 - FFC Birdsey Residence												94	94
205 - FFC Spruce Residence												87	87
206 - FFC Tamarack Residence												106	106
207 - FFC Birch Residence												83	83
208 - FFC Basswood Residence												90	90
209 - FFC Cedar Residence												88	88
21 - Volatile Liquid & Gases Bldg								11					11
210 - FFC Beech Residence												76	76
211 - FFC Ash Residence												126	126
212 - FFC Balsam Residence												52	52
213 - FFC Pump House												38	38

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 095 - INTEREST INFRASTR.													
214 - FFC Sawmill Museum												400	400
216 - FFC 9-Car Garage												103	103
219 - FFC Class 2								68					68
221 - FFC Computer Lab												68	68
223 - FFC Dorm												670	670
224 - FFC Carriage House												160	160
225 - FFC Storage Bldg III												15	15
226 - FFC Storage Bldg II									104			35	139
227 - FFC Storage Shed												15	15
229 - FFC Lumber Storage												150	150
230 - FFC 9- Stall Garage												249	249
233 - FFC Main Office												1	1
24 - Student Development Complex				14				988	87		4	11,379	12,472
25 - Sherman Field Press Box												56	56
28 - Kanwal and Ann Rekhi Hall				233				1,365	62			30	1,690
30 - Little Huskies Child Care												244	244
31 - Douglass Houghton Hall												3,109	3,109
32 - Daniell Heights												10,418	10,418
33 - Daniell Heights Housing Shop												64	64
34 - Memorial Union Building												3,175	3,175
35 - Daniel Heights Nursery												130	130
36 - Tech House												146	146
37 - Wadsworth Hall												9,910	9,910
38 - West McNair Hall												1,789	1,789
39 - McNair Hall Food Services												591	591
40 - East McNair Hall												2,383	2,383
42 - Facilities Management Storage								91					91
45 - Kettle-Gundlach House												335	335
46 - Nordic Ski Waxing Center												270	270
47 - Vivian House												187	187
48 - Hillside Place												3,060	3,060
49 - Waste Mgmt Resrces Recvry Bldg								277					277
50 - Gates Tennis Center								782				980	1,662
51 - O'Connor House												125	125
52 - Portage Lake Golf Course												182	182
53 - Mont Ripley Ski Hill								89				208	275

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Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 095 - INTEREST INFRASTR.													
54 - Mont Ripley Ski Chalet												211	211
55 - Mont Ripley Storage Building												193	193
56 - Daniell Heights storage buildi												69	69
57 - Hagen House												186	186
58 - Golf Course Storage Building												195	195
59 - Golf Course Storage Building												37	37
60 - Golf Course - Cart Storage												268	268
61 - Golf Course - Cart Storage												214	214
62 - Golf Course Cart Storage												268	268
63 - Golf Course Maint Bldg												40	40
82 - Ruppe-Gundlach House												280	280
84 - Harold Meese Center								543	46		1	1	581
89 - MTU Skitrail Groomer Storage												71	71
90 - Sands Pilot Plant									626				626
907 - Sharon Avenue Storage			183										183
92 - Alternative Enrgy Rsch Bldg								80	135				215
94 - AMJOCH Observatory								21					21
Total Cost Pool: 095			2,486	2,672	437	1,157	5,437	35,520	11,337		526	58,405	117,986

----- See Rate Schedule -----

Michigan Tech
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Section G Operations & Maintenance Schedules



Operations and Maintenance Schedules

This section includes the supporting schedules for the expense and allocation of the Operations and Maintenance (O&M) cost pools. There are credits for work orders requisitioned to the MTU Building Maintenance Department. The credit amounts are treated in aggregate and included in the campus-wide O&M pool. Operations and Maintenance (O&M) has been subdivided into specific areas: Utilities, Keweenaw Research Center (KRC) O&M, Building-Specific O&M, Auxiliary O&M, Building Maintenance, MTRI O&M, and Campus-wide O&M. The schedules listed below support the operations and maintenance component in the proposal:

- G1 Cost Group Step-down Schedule (O&M).** This schedule summarizes the allocation results of the various O&M cost pools that are used in the proposal. The allocation results of the cost pools are shown in schedules G3 through G9.
- G2 Indirect by Department Report (All O&M Pools).** This schedule shows the department detail for all O&M cost pools.
- G3 Allocation by Building Schedule (Utilities).** All utility expenses have been pooled together and exact amounts are identified to each building based on meter readings. Auxiliary and KRC utilities were separated to their respective cost pools. Amounts by building are then allocated according to the functional use of space for each building.
- G4 Allocation by Building Schedule (KRC O&M).** This cost pool includes external payments for equipment maintenance to outside vendors as well as work orders requisitioned to the MTU Building Maintenance Department and utilities. KRC-paid-for charges are allocated based on the functional use of space for KRC. This schedule shows the allocation of KRC O&M costs to cost groups on a building-by-building basis. Square footage by building for KRC is shown in Schedule H1—Square Footage by Building.
- G5 Allocation by Building-Specific O&M.** This cost pool includes non-capitalized Plant Fund accounts which represent renovations and repairs to specific buildings. These amounts are allocated to the buildings to which they correspond. Square footage by building is shown in Schedule H1—Square Footage by Building.
- G6 Allocation by Cost Pool Report (Auxiliary O&M).** These costs are assigned 100% to the Auxiliary Cost Pool.
- G7 Allocation by Building Schedule (Building Maintenance).** Building maintenance costs are allocated to benefiting buildings according to the functional use of space for each building.
- G8 Allocation by Building Schedule (MTRI O&M).** These costs are assigned 100% to the MTRI-leased space. Square footage for the MTRI-leased space is shown under Building 906 in Schedule H1—Square Footage by Building.
- G9 Allocation by Building Schedule (Campus-wide O&M).** This schedule show the allocation of O&M costs benefiting the entire University to cost groups on a building-by-building basis. Square footage by building is shown in Schedule H1—Square Footage by Building.

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Cost Group Stepdown Schedule

Cost Pool	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Group: 15 - OPERATIONS & MNT													
105 - UTILITIES		440,720	137,743	211,162	50,716	41,252	382,401	2,649,792	668,033		29,641	3,250,998	7,862,448
106 - KRC_OM		907		677				222	7,051			329	9,186
110 - BLDG SPECIFIC OM		31,035	75,068	171,742	7,783	38,006	11,059	211,295	416,165	406,065	5,230	989,390	2,362,838
115 - AUX OM												1,054,414	1,054,414
130 - BUILDING MAINTENANCE		31,866	203,307	213,221	38,386	101,747	477,946	2,707,734	684,884		45,908	712,255	5,227,263
133 - OM MTRI				46,077				157		351,081			397,315
135 - CAMPUS WIDE O&M			80,218	85,923	14,037	37,206	174,773	1,141,745	364,352		16,950	1,877,423	3,792,627
Subtotal Cost Group: 15		504,527	496,336	728,802	110,922	218,211	1,046,179	6,710,945	2,150,485	757,146	97,729	7,884,799	20,706,081

|----- See Rate Schedules -----|

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 105 — UTILITIES						
20055 University Wide Commitments				4,494,686		4,494,686
22500 Electrical and Computer Engine				250		250
23004 Schl Forest Res and Env Sci				14,869		14,869
24100 Biological Sciences				407		407
29120 Telecommunications				1,105		1,105
38040 Athletic/Rec Facility Operatio				198,056		198,056
38100 Housing and Residential Life				1,961,703		1,961,703
38500 Memorial Union				214,021		214,021
38751 Portage Lake Golf Course				37,010		37,010
38890 Mont Ripley				79,217		79,217
39000 Facilities Management	452,713	157,662	610,375	138,718		749,093
40008 Chief Financial Officer				111,329		111,329
42006 Mich Tech Transportation Inst				227		227
Subtotal	452,713	157,662	610,375	7,251,598		7,861,973
Plus Cross Allocation:						
010 CAPITAL IMPROVEMENTS					476	476
Total Cost Pool: 105	452,713	157,662	610,375	7,251,598	476	7,862,449

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MICHIGAN TECHNOLOGICAL UNIVERSITY
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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 106 — KRC_OM						
28600 Keweenaw Research Center			9,184			9,184
Subtotal			<u>9,184</u>			<u>9,184</u>
Total Cost Pool: 106			9,184			9,184

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Schedule

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 110 — BLDG SPECIFIC OM						
20055 University Wide Commitments				35,199		35,199
23004 Schl Forest Res and Env Sci				57,703		57,703
28510 MTRI	77,104	29,383	106,487	360,969		467,456
28600 Keweenaw Research Center	100,200	32,637	132,837	317,454		450,291
38040 Athletic/Rec Facility Operatio	454,077	136,920	590,997	229,874		820,871
39000 Facilities Management				504,011		504,011
40008 Chief Financial Officer				8,589		8,589
Subtotal	631,381	198,940	830,321	1,513,799		2,344,120
Plus Cross Allocation:						
005 BUILDING					1,793	1,793
010 CAPITAL IMPROVEMENTS					664	664
050 EQUIPMENT BY ROOM					11,305	11,305
055 EQUIPMENT BY DEPT					1,998	1,998
105 UTILITIES					2,053	2,053
106 KRC_OM					907	907
Total Cost Pool: 110	631,381	198,940	830,321	1,513,799	18,720	2,362,840

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Schedule

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 115 — AUX OM						
22400				1,918		1,918
23004				7,753		7,753
24219				280		280
24500				945		945
25010				11,802		11,802
27000				4,056		4,056
28600				9,843		9,843
29110				50,173		50,173
29120				198,821		198,821
37000				66,761		66,761
38040				18,218		18,218
38100				134,724		134,724
38140				355		355
38500				127,483		127,483
38560				33,317		33,317
38600				10,089		10,089
38751				26,701		26,701
38890				9,160		9,160
39000				109,050		109,050
39800	30,550	7,413	37,963	22,812		60,775
40008				29,101		29,101
65000				143,057		143,057
Subtotal	30,550	7,413	37,963	1,016,419		1,054,382
Plus Cross Allocation:						
010					32	32
Total Cost Pool: 115	30,550	7,413	37,963	1,016,419	32	1,054,414

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Schedule

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 130 — BUILDING MAINTENANCE						
00005	Board of Control			4,527		4,527
00500	Internal Audit			109		109
10027	President			2,315		2,315
10075	Office of Institutional Diversity			6,832		6,832
20054	Provost and VP for Acad Affair			355		355
20120	Inst for Leadership & Innovation			453		453
20900	Center Teach/Learn/Faculty Dev			438		438
20950	Intl Programs and Services			2,469		2,469
21002	School of Business			16,524		16,524
22007	College of Engineering			42,811		42,811
22070	Engineering Fundamentals			7,608		7,608
22200	Chemical Engineering			9,862		9,862
22300	Chemistry			21,097		21,097
22400	Civil & Environmental Engineer			23,518		23,518
22500	Electrical and Computer Engine			10,301		10,301
22550	Geological & Mining Eng & Scie			1,323		1,323
22600	Mechanical Eng.			23,153		23,153
22700	Materials Science and Eng.			1,662		1,662
23004	Schl Forest Res and Env Sci			26,356		26,356
24011	College of Science & Arts			3,620		3,620
24100	Biological Sciences			18,593		18,593
24200	Humanities			10,622		10,622
24219	Visual and Performing Arts			4,851		4,851
24300	Mathematical Sciences			14,249		14,249
24500	Kinesiology & Integrative Phys			55		55
24600	Physics			4,626		4,626
24700	Military Sci (Army ROTC)			46		46
24800	Social Sciences			1,399		1,399
25002	School of Technology			25,059		25,059
25010	Educational Tech Svcs			1,011		1,011
26010	Cognitive and Learning Science			35,660		35,660
27000	J Robert Van Pelt Library			4,439		4,439
28009	Graduate School			764		764
28800	Institutional Analysis			232		232
28900	Biomedical Engineering			1,435		1,435
29100	Admin Info Svcs			2,216		2,216
29110	Info Tech Serv and Security			68,307		68,307
29120	Telecommunications			10,238		10,238
31110	Admissions			6,564		6,564
31400	Registrars			2,266		2,266
32000	Office of Student Affairs			7,153		7,153
33000	Counseling and Wellness Servic			1,991		1,991
34004	Financial Aid Administration			98		98
35000	Career Services			580		580
38040	Athletic/Rec Facility Operatio			2,001		2,001
38100	Housing and Residential Life			40,009		40,009
38130	COMPASS			646		646
38140	Student Activities			1,896		1,896
38160	Center for Diversity-Inclusion			3,882		3,882
38900	Rozsa Ctr for Performing Arts			148		148
39000	Facilities Management	2,352,561	754,034	3,106,595	452,998	3,559,593
39800	Public Safety			2,593		2,593
39900	Occupational Safety & Health S			13,570		13,570

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 130 — BUILDING MAINTENANCE						
40008 Chief Financial Officer				75,897		75,897
40500 Vice Pres for Administration				5,153		5,153
42001 Vice Pres for Research				1,261		1,261
42002 Innovation & Industry Engageme				3,845		3,845
42003 Sponsored Programs Office				4,982		4,982
42004 Sponsored Programs Acctg				1,814		1,814
65000 University Mktg and Comm				136,604		136,604
70000 Affirmative Programs				9,153		9,153
Subtotal	2,352,561	754,034	3,106,595	1,184,239		4,290,834
Plus Cross Allocation:						
005 BUILDING					319,522	319,522
010 CAPITAL IMPROVEMENTS					2,474	2,474
050 EQUIPMENT BY ROOM					24,758	24,758
055 EQUIPMENT BY DEPT					208,242	208,242
060 EQUIPMENT IN COMMON SPACE					1,104	1,104
090 INTEREST					234,132	234,132
105 UTILITIES					138,968	138,968
110 BLDG SPECIFIC OM					7,210	7,210
Total Cost Pool: 130	2,352,561	754,034	3,106,595	1,184,239	936,410	5,227,244

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Schedule

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 133 — OM MTRI						
28510 MTRI	72,101	27,276	99,377	274,761		374,138
Subtotal	72,101	27,276	99,377	274,761		374,138
Plus Cross Allocation:						
010 CAPITAL IMPROVEMENTS					76	76
050 EQUIPMENT BY ROOM					371	371
110 BLDG SPECIFIC OM					22,730	22,730
Total Cost Pool: 133	72,101	27,276	99,377	274,761	23,177	397,315

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Schedule**

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 135 — CAMPUS WIDE O&M						
20055	University Wide Commitments			69,587		69,587
39000	Facilities Management	1,131,497	389,832	1,521,329	299,083	1,820,412
39800	Public Safety	778,443	275,010	1,053,453	104,410	1,157,863
39900	Occupational Safety & Health S	110,037	39,527	149,564	13,478	163,042
40008	Chief Financial Officer				190,790	190,790
Subtotal		2,019,977	704,369	2,724,346	677,348	3,401,694
Plus Cross Allocation:						
005	BUILDING				36,291	36,291
010	CAPITAL IMPROVEMENTS				2,124	2,124
050	EQUIPMENT BY ROOM				819	819
055	EQUIPMENT BY DEPT				7,764	7,764
060	EQUIPMENT IN COMMON SPACE				2	2
090	INTEREST				11,268	11,268
105	UTILITIES				299,699	299,699
110	BLDG SPECIFIC OM				1,095	1,095
130	BUILDING MAINTENANCE				31,865	31,865
Total Cost Pool: 135		2,019,977	704,369	2,724,346	677,348	3,792,621

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Schedule

MICHIGAN TECHNOLOGICAL UNIVERSITY

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Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 105 - UTILITIES													
01 - Administration Building		1,456	30,566			41,252		4,630			435	15,465	93,804
03 - Lakeshore Center		16,103	58,070		41,366				147			12,521	128,207
04 - ROTC Building		76	1,082	2,107				17,384					20,649
05 - Academic Offices Building		664		4,583				40,693	422		1,280	30	47,672
07 - Electrical Energy Resources Ct		3,748	24,685	21,102				203,793	34,195		118	3,023	290,684
08 - Dow Envir Sciences & Engr Bldg		34,757		28,169				523,481	121,586		2,440	4,678	715,111
09 - Alumni House			9,380									5,432	14,812
10 - Rozsa Cntr for Performing Arts								691				58,210	58,901
103 - New Mineral Museum											1	5,698	5,699
11 - Walker Arts & Humanities Ctr		1,511		11,893				67,618	440		438	5,704	87,604
12 - Minerals & Materials Engr Bldg		9,061	8,884	48,608		38		295,725	169,388		7,058	37,674	576,436
13 - Harnar House								417	417			3,510	4,344
14 - Grover C. Dillman Hall		450	369	6,493		78		95,143	17,069		13,368	336	133,306
15 - Fisher Hall		2,800	2,869	8,052				195,907	22,314			4,241	236,183
16 - Widmaier House		16,924											16,924
17 - J. R. Van Pelt Library		3,430	570	1,822			382,401	4,636	565		1,876		395,300
18 - U.J.Noblet Forestry Building		217		5,969				45,027	55,947		1,068	749	108,977
19 - Chemical Sciences & Engr Bldg		10,279		20,582				591,126	97,217		49	13,357	732,610
20 - R. L. Smith Building		3,309		5,100				270,695	47,520		987	1,835	329,446
223 - FFC Dorm												44,222	44,222
24 - Student Development Complex				764				54,837	4,844		231	631,854	692,530
25 - Sherman Field Press Box												1,051	1,051
28 - Kanwal and Ann Rekhi Hall				26,102				152,526	6,918			3,306	188,852
30 - Little Huskies Child Care												1,456	1,456
31 - Douglass Houghton Hall												263,225	263,225
32 - Daniell Heights												366,510	366,510
34 - Memorial Union Building		4,516										215,960	220,476
36 - Tech House												3,887	3,887
37 - Wadsworth Hall												882,569	882,569
38 - West McNair Hall												413,467	413,467
41 - Central Heating Plant		274,526											274,526
43 - Lakeside Laboratory		10,581											10,581
44 - Facilities Mgt Building		32,313											32,313
45 - Kettle-Gundlach House												9,242	9,242
47 - Vivian House												5,690	5,690
48 - Hillside Place												120,352	120,352

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Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 105 - UTILITIES													
49 - Waste Mgmt Resrces Recvry Bldg								7,462					7,462
50 - Gates Tennis Center								17,541			19,739		37,280
51 - O'Connor House											3,669		3,669
52 - Portage Lake Golf Course											25,551		25,551
54 - Mont Ripley Ski Chalet											5,114		5,114
57 - Hagen House											6,684		6,684
70 - KRC Scientific & Admin Offices				16,248				5,896	69,572		31	14,484	106,231
77 - KRC Water Truck Storage		2,053							8,211				10,264
81 - Power Generation Bldg		11,822											11,822
82 - Ruppe-Gundlach House												8,326	8,326
84 - Harold Meese Center								21,002	1,793		32	32	22,859
86 - MTU Tower Building												5,920	5,920
90 - Sands Pilot Plant		124							9,468				9,592
907 - Sharon Avenue Storage			1,268										1,268
93 - Fish Hatchery Building												1,858	1,858
94 - AMJOCH Observatory								268					268
95 - ATDC				3,568	9,234			33,294			229	23,889	70,214
96 - Portage Lake Vault												468	468
Total Cost Pool: 105		440,720	137,743	211,162	50,716	41,252	382,401	2,649,792	668,033		29,641	3,250,988	7,862,448

|----- See Rate Schedule -----|

MICHIGAN TECHNOLOGICAL UNIVERSITY

FYE JUNE 30, 2011

Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 106 - KRC_OM													
69 - KRC Engineering Design Center				353				10	1,040			7	1,410
70 - KRC Scientific & Admin Offices				245				89	1,050			219	1,603
71 - KRC Machine & Vehicle Shops		84		42				42	630			42	840
72 - KRC Vehicle Service Bldg		165							879			55	1,099
73 - KRC Vehicle Storage Bldg		231							231				462
74 - KRC Engineering Laboratories		81						81	773				935
75 - KRC Special Projects Facility				37					147				184
76 - KRC Support Services Facility		52							58			8	116
77 - KRC Water Truck Storage		80							239				299
78 - KRC Engineering Support Facil.									811				811
79 - KRC Chrysler Support Fac II									858				858
80 - KRC Cold Storage Building		234							234				468
Total Cost Pool: 106		907		677				222	7,051			328	9,186

----- See Rate Schedule -----

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 110- BLDG SPECIFIC OM													
01 - Administration Building		1,341	28,160			38,006		4,266			401	14,248	96,422
03 - Lakeshore Center		2,981	10,750		7,658				27			2,318	23,734
07 - Electrical Energy Resources Ctr		386	2,543	2,175				20,997	3,523		12	312	29,948
08 - Dow Envir Sciences & Engr Bldg		1,448		1,174				21,804	5,064		102	195	29,787
09 - Alumni House			9,770									5,658	15,428
102 - Advncd Power Sysms Rsch Ctr								5,231	22,928			1,071	29,228
12 - Minerals & Materials Engr Bldg		265	260	1,420	1			8,638	4,948		206	1,100	16,838
13 - Hamar House								2,845	2,845			23,947	29,637
14 - Grover C. Dillman Hall		140	115	2,021	24			29,619	5,314		4,162	105	41,500
15 - Fisher Hall		8	8	23				572	65			12	688
17 - J. R. Van Pelt Library		99	16	53			11,059	134	16		54		11,431
18 - U.J. Noblet Forestry Building				9				70	87		2	1	169
19 - Chemical Sciences & Engr Bldg		810		1,623				46,614	7,666		4	1,053	57,770
20 - R. L. Smith Building		2		3				164	28		1	1	200
214 - FFC Sawmill Museum												58,532	58,532
24 - Student Development Complex				934				67,060	5,923		283	772,685	846,895
32 - Daniell Heights												24,866	24,866
34 - Memorial Union Building		825										39,466	40,291
37 - Wadsworth Hall												7,635	7,635
51 - O'Connor House												19,174	19,174
89 - KRC Engineering Design Center				109,013				3,100	321,200			2,019	435,332
80 - KRC Cold Storage Building									36,532				36,532
906 - Citizens Bank Bldg			22,219		100						3	13,882	36,314
906 - MTRI		22,730		53,284				181		406,065			482,270
97 - Seaman Mineral Museum			1,227										1,227
Total Cost Pool: 110		31,035	75,088	171,742	7,783	38,006	11,059	211,295	416,165	406,065	5,230	989,390	2,362,838

|----- See Rate Schedule -----|

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Allocation by Cost Pool Report

Receiving Cost Group	Stat Amount	Percent	Allocated Amount	
Cost Pool: 115 AUX OM				
95 —OTHER INST ACTIVITY	100	100.00	1,054,414	See Rate Schedule
Total Cost Pool: 115	100	100.00	1,054,414	

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 130- BUILDING MAINTENANCE													
01 - Administration Building		1,832	75,389			101,747		11,420			1,073	38,145	229,606
03 - Lakeshore Center			53,622		38,197				136			11,562	103,517
04 - ROTC Building			3,852	7,500			61,881						73,233
05 - Academic Offices Building				9,919			79,200	822		2,491	58		91,490
06 - Annex Building							20,794	20,890		18			41,500
07 - Electrical Energy Resources Ctr			40,489	34,596			334,102	56,061			194	4,957	470,379
08 - Dow Envir Sciences & Engr Bldg				18,686			366,003	85,008			1,706	3,271	475,685
09 - Alumni House			14,974									8,673	23,647
11 - Walker Arts & Humanities Ctr				28,300			160,896	1,047		1,042	13,572		204,857
12 - Minerals & Materials Engr Bldg		3,763	9,704	53,093	42		323,007	185,014		7,710	41,149		623,482
13 - Hamar House							1,570	1,570				13,216	16,356
14 - Grover C. Dillman Hall			696	12,232	147		179,246	32,157			25,186	633	250,297
15 - Fisher Hall			3,889	10,912			265,506	30,242				5,747	316,296
16 - Widmaier House		10,342											10,342
17 - J. R. Van Pelt Library			712	2,277			477,846	5,794	707		2,345		489,781
18 - U.J.Noblet Forestry Building				15,095			113,859	141,473			2,701	1,895	275,023
19 - Chemical Sciences & Engr Bldg		2,544		13,299			381,961	62,818			31	8,631	469,284
20 - R. L. Smith Building				7,302			387,536	68,031			1,413	2,627	466,909
201 - FFC Hemlock Residence												8,595	8,595
202 - FFC Sassafras Residence												6,228	6,228
203 - FFC Elm Residence												7,066	7,066
204 - FFC Birdsey Residence												8,275	8,275
205 - FFC Spruce Residence												7,652	7,652
206 - FFC Tamarack Residence												9,311	9,311
207 - FFC Birch Residence												7,338	7,338
208 - FFC Basswood Residence												7,929	7,929
209 - FFC Cedar Residence												7,748	7,748
21 - Volatile Liquid & Gases Bldg								942					942
210 - FFC Beech Residence												8,642	8,642
211 - FFC Ash Residence												11,117	11,117
212 - FFC Balsam Residence												4,574	4,574
213 - FFC Pump House												3,329	3,329
214 - FFC Sawmill Museum												35,172	35,172
215 - FFC 8-Car Garage												9,055	9,055
216 - FFC Dorm II												28	28
217 - FFC Classroom I								21					21

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 130- BUILDING MAINTENANCE													
219 - FFC Class 2								6,019					6,019
220 - FFC Recreation Bldg												10	10
221 - FFC Computer Lab												6,019	6,019
222 - FFC Classroom 3								21					21
223 - FFC Dorm												58,882	58,882
224 - FFC Carriage House												14,105	14,105
226 - FFC Storage Bldg III												1,336	1,336
226 - FFC Storage Bldg II									9,107			3,036	12,143
227 - FFC Storage Shed												1,361	1,361
228 - FFC Lumber Storage												13,189	13,189
41 - Central Heating Plant		8,045											8,045
42 - Facilities Management Storage								7,956					7,956
45 - Kettle-Gundlach House												29,415	29,415
46 - Nordic Ski Waxing Center												23,741	23,741
48 - Hillside Place												268,982	268,982
89 - Chemical Storage Building		5,339											5,339
Total Cost Pool: 130		31,865	203,307	213,221	38,586	101,747	477,946	2,707,734	694,884		46,908	712,255	5,227,253

|----- See Rate Schedule -----|

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 133 - OM MTRI													
906 - MTRI				46,077				157		351,081			397,315
Total Cost Pool: 133				46,077				157		351,081			397,315

|----- See Rate Schedule -----|

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 135 - CAMPUS WIDE O&M													
01 - Administration Building			27,668			37,206		4,176			392	13,949	93,291
03 - Lakeshore Center			19,608		13,968				50			4,228	37,854
04 - ROTC Building			1,409	2,743				22,628					26,780
05 - Academic Offices Building				3,261				28,961	300		911	21	33,454
06 - Annex Building								7,604	7,585		6		15,175
07 - Electrical Energy Resources Ctr			14,798	12,851				122,173	20,500		71	1,812	172,005
08 - Dow Envir Sciences & Engr Bldg				7,202				133,838	31,086		624	1,196	173,946
09 - Alumni House			5,476									3,171	8,647
10 - Rozsa Cntr for Performing Arts								877				73,821	74,698
101 - Nordic Ski Storage												1,236	1,236
102 - Advncd Power Systems Rsch Ctr								18,146	79,523			3,715	101,384
103 - New Mineral Museum											2	15,369	15,371
104 - Mineral Museum Storage												2,871	2,871
11 - Walker Arts & Humanities Ctr				10,349				58,835	383		381	4,963	74,811
12 - Minerals & Materials Engr Bldg			3,548	19,414	15			118,115	67,665		2,819	15,047	226,613
13 - Hamar House								574	574			4,833	5,981
14 - Grover C. Dillman Hall			255	4,473	54			65,546	11,759		9,210	232	91,529
15 - Fisher Hall			1,422	3,991				97,088	11,059			2,101	115,661
17 - J. R. Van Pelt Library			280	833			174,773	2,119	258		857		179,100
18 - U.J. Noblet Forestry Building				5,520				41,635	51,733		988	693	100,589
19 - Chemical Sciences & Engr Bldg				4,883				139,873	22,971		11	3,156	170,674
20 - R. L. Smith Building				2,670				141,712	24,877		517	961	170,737
201 - FFC Hemlock Residence												2,412	2,412
202 - FFC Sassafrass Residence												2,278	2,278
203 - FFC Elm Residence												2,580	2,580
204 - FFC Birdsey Residence												3,026	3,026
205 - FFC Spruce Residence												2,798	2,798
206 - FFC Tamarack Residence												3,405	3,405
207 - FFC Birch Residence												2,883	2,883
208 - FFC Basswood Residence												2,900	2,900
209 - FFC Cedar Residence												2,833	2,833
21 - Volatile Liquid & Gases Bldg								345					345
210 - FFC Beech Residence												2,429	2,429
211 - FFC Ash Residence												4,065	4,065
212 - FFC Balsam Residence												1,673	1,673
213 - FFC Pump House												1,217	1,217

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 135 - CAMPUS WIDE O&M													
214 - FFC Sawmill Museum												12,861	12,861
215 - FFC 8-Car Garage												3,311	3,311
216 - FFC Dorm II												10	10
217 - FFC Classroom I								8					8
219 - FFC Class 2								2,201					2,201
220 - FFC Recreation Bldg												4	4
221 - FFC Computer Lab												2,201	2,201
222 - FFC Classroom 3								8					8
223 - FFC Dorm												21,531	21,531
224 - FFC Carriage House												5,158	5,158
225 - FFC Storage Bldg III												488	488
226 - FFC Storage Bldg II									3,330			1,110	4,440
227 - FFC Storage Shed												498	498
228 - FFC Lumber Storage												4,823	4,823
230 - FFC 9- Stall Garage												8,000	8,000
231 - FFC Maintenance Bldg												10	10
233 - FFC Main Office								2				25	27
24 - Student Development Complex				442				31,744	2,804		134	365,765	400,899
25 - Sherman Field Press Box												1,799	1,799
26 - MITN Uplink Equipment Bldg			2										2
28 - Kanwal and Ann Rekhri Hall				7,511				43,886	1,990			951	54,338
30 - Little Huskies Child Care												7,839	7,839
31 - Douglass Houghton Hall												99,829	99,829
32 - Daniell Heights												334,890	334,890
33 - Daniell Heights Housing Shop												2,069	2,069
34 - Memorial Union Building												102,050	102,050
35 - Daniel Heights Nursery												4,191	4,191
36 - Tech House												4,693	4,693
37 - Wadsworth Hall												318,545	318,545
38 - West McNair Hall												57,484	57,484
39 - McNair Hall Food Services												19,003	19,003
40 - East McNair Hall												76,600	76,600
42 - Facilities Management Storage								2,909					2,909
45 - Kettle-Gundlach House												10,756	10,756
48 - Nordic Ski Waxing Center												8,681	8,681
47 - Vivian House												6,000	6,000

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

Allocation by Building Schedule

Building	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Pool: 135 - CAMPUS WIDE O&M													
48 - Hillside Place												98,360	98,360
49 - Waste Mgmt Resrces Recvry Bldg								8,888					8,888
50 - Gates Tennis Center								25,135				28,284	53,419
51 - O'Connor House												4,021	4,021
52 - Portage Lake Golf Course												5,836	5,836
53 - Mont Ripley Ski Hill								2,201				8,603	8,804
54 - Mont Ripley Ski Chalet												6,783	6,783
55 - Mont Ripley Storage Building												6,201	6,201
56 - Daniell Heights storage buildi												2,205	2,205
57 - Hagen House												5,981	5,981
58 - Golf Course Storage Building												6,270	6,270
59 - Golf Course Storage Building												1,196	1,196
60 - Golf Course - Cart Storage												8,613	8,613
61 - Golf Course - Cart Storage												6,890	6,890
62 - Golf Course Cart Storage												8,613	8,613
63 - Golf Course Maint Bldg												1,271	1,271
82 - Ruppe-Gundlach House												9,011	9,011
84 - Harold Meese Center								17,464	1,491		27	27	19,009
88 - MTU Tower Building												2	2
89 - MTU Skitrail Groomer Storage												2,297	2,297
90 - Sands Pilot Plant									20,121				20,121
907 - Sharon Avenue Storage			5,872										5,872
92 - Alternative Enrgy Rsch Bldg								2,580	4,323				6,903
94 - AMJOCH Observatory								674					674
Total Cost Pool: 135			80,218	85,923	14,037	37,208	174,773	1,141,745	384,352		18,950	1,877,423	3,792,827

----- See Rate Schedule -----

Section H Space Schedules



Space Schedules

Building, equipment, interest, and operations and maintenance-related costs are allocated on the basis of functional use of square footage. The University conducted a comprehensive space survey to document the functional use of space for the fiscal year July 1, 2010 through June 30, 2011. Account numbers were required to be assigned to all spaces classified as Organized Research or Other Sponsored Activity space.

Final space results are summarized in two formats:

- H1 ASF by Building/Cost Group Report (Square Footage by Building).** This schedule summarizes the square footage on a building-by-building basis.
- H2 ASF by Department/Cost Group Report (Square Footage by Department).** This schedule summarizes square footage on a department-by-department basis.

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by Building/Cost Group Report

Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
01 - Administration Building	686	14,404			19,440		2,182			205	7,288	44,206
03 - Lakeshore Center	2,841	10,245		7,298				26			2,209	22,619
04 - ROTC Building	52	736	1,433				11,823					14,044
05 - Academic Offices Building	247		1,704				15,132	157		476	11	17,727
06 - Annex Building							3,973	3,853		3		7,829
07 - Electrical Energy Resources Ct	1,174	7,732	6,610				83,834	10,711		37	947	91,045
08 - Dow Envir Sciences & Engr Bldg	4,643		3,763				68,928	16,242		326	625	86,528
09 - Alumni House		2,861									1,657	4,518
10 - Rozsa Cntr for Performing Arts							458				38,571	39,029
101 - Nordic Ski Storage											648	648
102 - Advncd Power Systms Rsch Ctr							9,481	41,550			1,941	52,972
103 - New Mineral Museum										1	8,030	8,031
104 - Mineral Museum Storage											1,500	1,500
11 - Walker Arts & Humanities Ctr	687		5,407				30,741	200		199	2,593	39,827
12 - Minerals & Materials Engr Bldg	1,891	1,854	10,144	8			61,714	35,349		1,473	7,862	120,295
13 - Hamar House							300	300			2,525	3,125
14 - Grover C. Dillman Hall	162	133	2,337	28			34,247	6,144		4,812	121	47,984
15 - Fisher Hall	725	743	2,085				50,728	5,778			1,098	61,157
16 - Widmaier House	1,976											1,976
17 - J. R. Van Pelt Library	819	136	435			81,317	1,107	135		448		84,387
18 - U.J.Nobel Forestry Building	105		2,884				21,754	27,030		518	382	52,651
18 - Chemical Sciences & Engr Bldg	1,269		2,641				72,978	12,002		6	1,648	90,445
20 - R. L. Smith Building	905		1,395				74,043	12,998		270	502	90,113
201 - FFC Hemlock Residence											1,260	1,260
202 - FFC Sassafras Residence											1,190	1,190
203 - FFC Elm Residence											1,348	1,348
204 - FFC Birdsey Residence											1,581	1,581
205 - FFC Spruce Residence											1,462	1,462
206 - FFC Tamarack Residence											1,779	1,779
207 - FFC Birch Residence											1,402	1,402
208 - FFC Basswood Residence											1,515	1,515
209 - FFC Cedar Residence											1,480	1,480
21 - Volatile Liquid & Gases Bldg							180					180
210 - FFC Beech Residence											1,269	1,269
211 - FFC Ash Residence											2,124	2,124
212 - FFC Balsam Residence											874	874
213 - FFC Pump House											636	636
214 - FFC Sawmill Museum											6,720	6,720

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by Building/Cost Group Report

Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
215 - FFC 8-Car Garage											1,730	1,730
216 - FFC Dorm II											5	5
217 - FFC Classroom I							4					4
219 - FFC Class 2							1,160					1,160
220 - FFC Recreation Bldg											2	2
221 - FFC Computer Lab										1,150		1,150
222 - FFC Classroom 3							4					4
223 - FFC Dorm											11,250	11,250
224 - FFC Carriage House											2,695	2,695
225 - FFC Storage Bldg III											255	255
226 - FFC Storage Bldg II								1,740			580	2,320
227 - FFC Storage Shed											280	280
228 - FFC Lumber Storage											2,520	2,520
230 - FFC 9- Stall Garage											4,180	4,180
231 - FFC Maintenance Bldg											5	5
233 - FFC Main Office							1				13	14
24 - Student Development Complex			231				16,586	1,465		70	191,109	209,461
25 - Sherman Field Press Box											940	940
26 - MITN Uplink Equipment Bldg		1										1
27 - Ford Forestry Center											10	10
28 - Kanwal and Ann Rekhi Hall			3,924				22,930	1,040			497	28,391
30 - Little Huskies Child Care											4,096	4,096
31 - Douglass Houghton Hall											52,212	52,212
32 - Daniell Heights											174,977	174,977
33 - Daniell Heights Housing Shop											1,081	1,081
34 - Memorial Union Building	1,115										53,320	54,435
35 - Daniel Heights Nursery											2,190	2,190
36 - Tech House											2,452	2,452
37 - Wadsworth Hall											166,437	166,437
38 - West McNair Hall											30,040	30,040
39 - McNair Hall Food Services											9,929	9,929
40 - East McNair Hall											40,023	40,023
41 - Central Heating Plant	1,537											1,537
42 - Facilities Management Storage	3,802						1,520					5,322
43 - Lakeside Laboratory	5,389											5,389
44 - Facilities Mgt Building	16,377											16,377
45 - Kettle-Gundlach House											5,620	5,620
46 - Nordic Ski Waxing Center											4,536	4,536

Section H - Page 4

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by Building/Cost Group Report

Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
47 - Vivian House											3,135	3,135
48 - Hillside Place											51,392	51,392
49 - Waste Mgmt Resrces Recvry Bldg							4,644					4,644
50 - Gates Tennis Center							13,133				14,778	27,911
51 - O'Connor House											2,101	2,101
52 - Portage Lake Golf Course											3,049	3,049
53 - Mont Ripley Ski Hill							1,150				3,450	4,600
54 - Mont Ripley Ski Chalet											3,544	3,544
55 - Mont Ripley Storage Building											3,240	3,240
56 - Daniell Heights storage buildi											1,152	1,152
57 - Hagen House											3,125	3,125
58 - Golf Course Storage Building											3,276	3,276
59 - Golf Course Storage Building											625	625
60 - Golf Course - Cart Storage											4,500	4,500
61 - Golf Course - Cart Storage											3,600	3,600
62 - Golf Course Cart Storage											4,500	4,500
63 - Golf Course Maint Bldg											664	664
65 - Daniell Heights Storage Bldg											3,200	3,200
68 - SDC Storage Bldg											1,800	1,800
69 - KRC Engineering Design Center			1,512				43	4,455			28	6,038
70 - KRC Scientific & Admin Offices			1,050				381	4,496		2	936	6,865
71 - KRC Machine & Vehicle Shops	400		200				200	3,000			200	4,000
72 - KRC Vehicle Service Bldg	831							4,430			277	5,538
73 - KRC Vehicle Storage Bldg	1,980							1,980				3,960
74 - KRC Engineering Laboratories	382						382	3,626				4,390
75 - KRC Special Projects Facility			157					630				787
76 - KRC Support Services Facility	402							447			45	894
77 - KRC Water Truck Storage	320							1,280				1,600
78 - KRC Engineering Support Facil.								3,904				3,904
79 - KRC Chrysler Support Fac II								3,680				3,680
80 - KRC Cold Storage Building	2,000							2,000				4,000
81 - Power Generation Bldg	3,432											3,432
82 - Ruppe-Gundlach House											4,708	4,708
84 - Harold Meesa Center							9,125	779		14	14	9,932
86 - MTU Tower Building											1	1
88 - Chemical Storage Building	1,020											1,020
89 - MTU Skitrail Groomer Storage											1,200	1,200
90 - Sands Pilot Plant	138							10,513				10,651

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ASF by Building/Cost Group Report

Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
906 - Citizens Bank Bldg		7,300		33						1	4,597	11,931
906 - MTRI	502		1,177				4		8,968			10,651
907 - Sharon Avenue Storage		3,068										3,068
92 - Alternative Enrgy Rsch Bldg							1,348	2,259				3,607
93 - Fish Hatchery Building											1,360	1,360
94 - AMJOCH Observatory							352					352
95 - ATDC			857	2,218			7,997			55	5,738	16,865
96 - Portage Lake Vault											2,700	2,700
97 - Seaman Mineral Museum		10										10
88 - Off Campus Sites									10			10
99 - Miscellaneous Bldg Sites		10										10
Total:	57,788	49,233	49,846	9,585	19,440	91,317	605,558	224,299	8,978	8,914	1,001,826	2,126,785

MICHIGAN TECHNOLOGICAL UNIVERSITY
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ASF by Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
00005 - Board of Control		501										501
00500 - Internal Audit		466										466
10027 - President		7,760										7,760
10075 - Office of Institutional Diversi		166								1		166
20054 - Provost and VP for Acad Affa		1,446					12			24		1,482
20055 - University Wide Commitments							74,640					74,640
20120 - Inst for Leadership & Innovati		836					2,342	188		18	28	3,413
20800 - Center Teach/Learn/Faculty D							1,107					1,107
20950 - Intl Programs and Services							1,816					1,816
21002 - School of Business			1,230				10,626					11,758
22007 - College of Engineering		306	3,513				3,070	2,263		486	1,259	10,897
22070 - Engineering Fundamentals			1,371				6,435					7,806
22200 - Chemical Engineering			907				30,456	9,219				40,582
22300 - Chemistry	486		1,634				36,873	5,379			1,649	46,021
22400 - Civil & Environmental Engine			3,149				43,337	23,005		1,486	3,238	74,215
22500 - Electrical and Computer Engi			2,230				32,871	10,711				45,812
22550 - Geological & Mining Eng & Sc			427				22,816	1,711		942	230	26,126
22600 - Mechanical Eng.			1,328				67,784	39,341			242	108,695
22700 - Materials Science and Eng.		13	4,880				31,748	10,925		5	3,248	50,919
23004 - Schl Forest Res and Env Sci	138		2,884				20,441	39,283		516	49,657	112,919
24011 - College of Science & Arts			898					13			138	1,049
24100 - Biological Sciences			1,153				34,172	7,781		6	120	43,242
24200 - Humanities			4,023				11,714	187		198	132	16,255
24219 - Visual and Performing Arts			486				14,877				5,379	20,742
24300 - Mathematical Sciences		743	1,434				11,084	121			131	13,513
24400 - Computer Sciences			2,292				17,609	791			497	21,189
24500 - Kinesiology & Integrative Ph			231				5,061	1,689		70	28	7,079
24600 - Physics			651				18,655	7,365			399	27,070
24700 - Military Sci (Army ROTC)		736	1,433				6,300					8,469
24800 - Social Sciences			474				7,901	4,048		10		12,433
24900 - Center for Experimental Comp.							15					15
25002 - School of Technology	266		1,746				24,739			541		27,292
25010 - Educational Tech Svcs			58								39	97
26010 - Cognitive and Learning Scien							12,783	853		489	25	14,150
27000 - J Robert Van Pelt Library			435			91,317		135		448		92,335
28009 - Graduate School		3,908								21		3,929
28510 - MTRI	502		1,177				4		8,978			10,661
28600 - Keweenaw Research Center	6,315		3,776				8,995	51,384		2	4,427	74,909

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ASF by Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
28800 - Institutional Analysis		696										696
28900 - Biomedical Engineering			1,737				9,224	4,054				15,015
28100 - Admin Info Svcs		2,360									115	2,475
29110 - Info Tech Serv and Security		8,670	4,289				8,234				1,168	22,361
29120 - Telecommunications		6,788									456	7,244
30090 - Student Life											1,317	1,317
30100 - Youth Programs					383		354			114		851
31000 - Enrollment Services					1,629							1,629
31110 - Admissions					2,877							2,877
31400 - Registrars		1,488			2,925							4,411
32000 - Office of Student Affairs					2,618							2,618
33000 - Counseling and Wellness Serv					2,221					46		2,267
34004 - Financial Aid Administration					2,179							2,179
35000 - Career Services					4,608							4,608
37000 - General Athletics							24,932	50			208,437	233,419
38040 - Athletic/Rec Facility Operat											2,819	2,819
38100 - Housing and Residential Life											336,815	336,815
38130 - COMPASS											1,273	1,273
38140 - Student Activities											6,474	6,474
38160 - Center for Diversity-Inclusi											2,525	2,525
38500 - Memorial Union											57,764	57,764
38600 - Merchandising Operations											14,772	14,772
38700 - Daniell Heights Apartments											196,018	196,018
38751 - Portage Lake Golf Course											20,214	20,214
38890 - Mont Ripley							1,150				10,234	11,384
38900 - Rozsa Ctr for Performing Art							458				35,939	36,397
39000 - Facilities Management	46,283										899	47,182
39800 - Public Safety	1,976											1,976
39900 - Occupational Safety & Health	1,823											1,823
40008 - Chief Financial Officer		5,579									10,338	15,917
40500 - Vice Pres for Administration		5,808										5,808
41200 - AE Seaman Mineral Museum										1	9,530	9,531
42001 - Vice Pres for Research				4,753				3,370			406	8,529
42002 - Innovation & Industry Engage				2,218			8			55	656	2,937
42003 - Sponsored Programs Office		104		1,495				26				1,615
42004 - Sponsored Programs Acctg				1,101								1,101
42006 - Mich Tech Transportation Ins		133		28			1,016	387		3,434	121	5,118
60017 - Office of Development											3,839	3,839

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ASF by Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
65000 - University Mktg and Comm		127									8,830	8,957
70000 - Affirmative Programs		602										602
Total:	57,789	49,233	49,846	9,585	19,440	91,317	605,558	224,299	8,978	8,914	1,001,826	2,126,785

Section I General Administration



General Administration

This section includes the supporting schedules for the expense and allocation of the General Administration (GA) cost pool. The schedules listed below support the GA component in the proposal:

- I1 Cost Group Step-down Schedule (GA).** This schedule summarizes the allocation results of the GA cost pool that is used in the proposal. The costs that comprise the pool are shown in Schedule I2 and the allocation results of the cost pool are shown in Schedule I3.
- I2 Indirect by Department Report (Final Costs by Department-GA).** This schedule shows the department detail for the general administration cost pool.
- I3 Allocation by Cost Pool Report (GA).** This schedule shows allocation of university-wide general administrative costs to benefiting cost groups. These costs are allocated on the basis of MTC for all University activity.

Note: All unallowable costs (e.g. entertainment expense) and functions (e.g. alumni office, government relations) were either excluded from the entire rate calculation or were reclassified to Other Institutional Activity (OIA) and were allocated a share of overhead costs.

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Cost Group Stepdown Schedule

Cost Pool	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Group: 20 - GENERAL ADMIN													
200 - GENERAL ADMIN - GEN				1,587,795	459,570	886,852	626,073	9,387,704	2,730,707	509,360	626,044	3,018,779	19,832,884
Subtotal Cost Group: 20				1,587,795	459,570	886,852	626,073	9,387,704	2,730,707	509,360	626,044	3,018,779	19,832,884

|----- See Rate Schedules -----|

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 200 — GENERAL ADMIN - GEN						
00006	Board of Control	267,033	97,914	354,947	151,835	506,782
00500	Internal Audit	129,996	44,779	174,775	8,712	181,487
10027	President	378,946	144,847	523,893	87,527	611,420
10075	Office of Institutional Diversity	127,805	41,507	189,312	20,400	189,712
20054	Provost and VP for Acad Affair	559,248	195,732	754,980	60,743	815,723
20055	University Wide Commitments	356,894	3,026,518	3,383,412	1,472,771	4,856,183
24900	Center for Experimental Comput	258,343	85,222	343,565	-44,783	298,782
28009	Graduate School	511,260	188,818	700,078	104,977	805,055
28900	Institutional Analysis	156,890	55,832	212,822	8,628	221,448
29100	Admin Info Svcs	1,101,918	374,800	1,476,718	405,479	1,882,197
29110	Info Tech Serv and Security	911,439	330,363	1,241,802	764,873	2,006,675
29120	Telecommunications	549,926	210,347	760,273	46,438	806,711
32000	Office of Student Affairs				614	614
40008	Chief Financial Officer	1,324,618	508,108	1,830,726	504,781	2,335,507
40500	Vice Pres for Administration	1,302,638	458,480	1,782,128	207,889	1,970,017
42001	Vice Pres for Research				8,914	8,914
65000	University Mktg and Comm	221,052	81,049	302,101	66,097	368,198
70000	Affirmative Programs	153,583	58,738	212,301	11,959	224,260
Subtotal		8,301,669	5,902,164	14,203,833	3,885,852	18,089,685
Plus Cross Allocation:						
005	BUILDING				158,833	158,833
010	CAPITAL IMPROVEMENTS				8,730	8,730
050	EQUIPMENT BY ROOM				539,576	539,576
055	EQUIPMENT BY DEPT				453,414	453,414
060	EQUIPMENT IN COMMON SPACE				-4,679	-4,679
090	INTEREST				79,132	79,132
095	INTEREST INFRASTR.				2,495	2,495
105	UTILITIES				137,743	137,743
110	BLDG SPECIFIC OM				75,068	75,068
130	BUILDING MAINTENANCE				203,307	203,307
135	CAMPUS WIDE O&M				80,218	80,218
Total Cost Pool: 200		8,301,669	5,902,164	14,203,833	3,885,852	18,032,880

See Allocation
Schedule

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Allocation by Cost Pool Report

Receiving Cost Group	Stat Amount	Percent	Allocated Amount	
Cost Pool: 200 GENERAL ADMIN - GEN				
30 — DEPARTMENT ADMIN	11,722,855	8.01	1,587,795	
60 — SPON PROJ ADMIN	3,393,056	2.32	459,570	
70 — STUDENT SERV ADMIN	6,547,729	4.47	886,852	
80 — LIBRARY	4,622,368	3.16	626,073	
90 — INSTRUCTION & DR	69,310,497	47.33	9,387,704	See Rate Schedule
91 — ORGANIZED RESEARCH	20,161,124	13.77	2,730,707	See Rate Schedule
91A — ORG RES - MTRI	3,760,667	2.57	509,360	See Rate Schedule
92 — OTHER SPON ACTIVITIE	4,622,156	3.16	626,044	See Rate Schedule
95 — OTHER INST ACTIVITY	22,287,988	15.22	3,018,779	See Rate Schedule
Total Cost Pool: 200	146,428,438	100.00	19,832,884	



Section J

Departmental Administration Schedules



Departmental Administration Schedules

This section includes the supporting schedules for the expense and allocation of the Departmental Administration (DA) Cost Pool Group. The schedules listed below support the DA component in the proposal:

- J1 Indirect by Department (Final Costs by Department-Deans Office Pools).** This schedule shows the departmental details for all deans' cost pools.
- J2 Departmental Administration Allocation Summary Schedule (by College).** This schedule summarizes the DA allocation by school. The detailed results by department are shown in Schedule J3.
- J3 Departmental Administration Allocation Schedule (by Department).** This schedule shows the accumulation of both the Dean's Office administration from J1 and the Academic Department DA, as well as the final allocation results. A portion of the Academic Department DA is calculated according to a Direct Charge Equivalent (DCE) methodology for clerical and general support salaries (see description below). The DCE calculation can be documented with a variety of schedules and formats. We will provide additional detail on the DCE/DA component of the rate upon request.
- J4 Labor/Non-Labor by Department Schedule (by Title).** This schedule summarizes labor and non-labor expense by department. Labor is further summarized by Faculty and Professional (F&P), Technician, Professional Administrative, and General Support salary groupings.
- J5 DCE/DA Calculation Summary by Department Report (Sample).** This schedule shows the DCE/DA calculation for Department 22600, Mechanical Engineering–Engineering Mechanics.

Explanation of Schedule J4

Schedule J4 is designed to summarize labor by Faculty and Professional (F&P), Technician, Professional Administrative, and General Support salaries. Note that there are situations where the schedule will document "Payroll not used in DCE." This documentation is necessary because there are situations where salaries are part of Modified Total Direct Costs (MTDC), but are not used (and subsequently not categorized) in the DCE calculation.

Finally if a department does not have DCE/DA calculation performed for it, then all salaries associated with the department would be categorized as "Payroll not used is DCE."

Any other situations can be documented with complete audit trails upon request.

Description of Direct Charge Equivalent (DCE) Methodology

The DCE methodology was used to calculate a portion of the Department Administration (DA) rate component. A unique DA cost pool is established for each academic department. Within each of these cost pools, five separate components are calculated:

1. 100% Administrative salaries and wages
2. DCE for General Support salaries and wages
3. 3.6% Faculty and Professional Allowance (none for MTRI because they do not teach)
4. Prorated share of employee benefits
5. DCE for other operating supplies and expenses

Administrative and General Support Salaries and Wages

The first two components, Administrative and General Support salaries and wages, are determined through a review of the institution's payroll system. Job positions for each academic department that are defined as professional administrative are categorized as 100% departmental administration.

Job positions per each academic department which are defined as General Support (e.g. secretaries, office clerks, etc.) and Faculty and Professional (e.g. professors, departmental chairpersons, laboratory directors, scientists, graduate and research assistants, etc.), and have been direct charged to sponsored agreements, are used to calculate a direct charge equivalent (DCE).

The DCE ratio is defined as General Support salaries and wages charged to sponsored agreements, divided by Faculty and Professional salaries and wages charged to sponsored agreements. The DCE ratio is computed on a department-by-department basis.

The DCE ratio is then compared against the actual General Support salaries and wages and the actual Faculty and Professional salaries and wages (less the 3.6% Faculty Administrative Allowance) which have been charged to each department's general operating fund.

When the DCE ratio is less than the ratio calculated for the general operating fund for a given department, and excess or residual of General Support salaries and wages exists within the general operating fund, this excess is treated as DA and is transferred to the DA pool. When the DCE ratio is greater than the ratio calculated for the general operating fund, no excess General Support salaries and wages exists and no transfer is made to the DA cost pool.

The important assumption underlying this methodology is that the General Support salaries that support the F&P salaries within the general operating fund can be in the same proportion as the General Support salaries that support the F&P salaries for sponsored agreements.

Faculty and Professional 3.6% Allowance

The next component, Faculty and Professional (F&P) allowance is determined by taking the MTDC, less the Administrative salaries and wages, General Support salaries and wages, and all other DA items, and multiplying the result by the 3.6% Faculty Administrative Allowance (FAA). The resulting amount of the F&P allowance is then transferred from the general operating fund to the DA cost pool.

Employee Benefits and Other Operating Supplies and Expenses

The final two components, Employee Benefits and Other Operating Supplies and Expenses are determined by taking a prorated share of each. Benefits are determined by applying the department benefit rate to salaries that were reclassified to the DA pool. Other Operating Supplies and Expense are determined by using one of the following two methodologies: a) a separate DCE ratio equal to supplies and expense charged to sponsored agreements, divided by all salaries and wages charged to sponsored agreements is calculated and applied to the general operating fund, or b) a simple ratio of DA salaries divided by total non-sponsored salaries is calculated and directly applied to supplies and expenses paid from the general operating fund.

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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 302 — CA-DEAN ENGR						
22007 College of Engineering	599,417	268,792	868,209	126,024		994,233
Subtotal	599,417	268,792	868,209	126,024		994,233
Plus Cross Allocation:						
005 BUILDING					23,155	23,155
010 CAPITAL IMPROVEMENTS					630	630
050 EQUIPMENT BY ROOM					3,698	3,698
055 EQUIPMENT BY DEPT					54	54
080 EQUIPMENT IN COMMON SPACE					23	23
090 INTEREST					44	44
095 INTEREST INFRASTR.					209	209
105 UTILITIES					16,690	16,690
110 BLDG SPECIFIC OM					509	509
130 BUILDING MAINTENANCE					18,387	18,387
135 CAMPUS WIDE O&M					6,723	6,723
200 GENERAL ADMIN - GEN					134,663	134,663
Total Cost Pool: 302	599,417	268,792	868,209	126,024	204,775	1,199,008

See Allocation
Schedule

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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 303 — CA-DEAN FORESTRY						
23004 Schl Forest Res and Env Sci	344,056	120,989	465,045	55,759		520,804
Subtotal	344,056	120,989	465,045	55,759		520,804
Plus Cross Allocation:						
005 BUILDING					18,431	18,431
010 CAPITAL IMPROVEMENTS					362	362
060 EQUIPMENT BY ROOM					5,455	5,455
055 EQUIPMENT BY DEPT					185	185
090 INTEREST					576	576
095 INTEREST INFRASTR.					172	172
105 UTILITIES					5,969	5,969
110 BLDG SPECIFIC OM					9	9
130 BUILDING MAINTENANCE					15,085	15,085
135 CAMPUS WIDE O&M					5,520	5,520
200 GENERAL ADMIN - GEN					70,540	70,540
Total Cost Pool: 303	344,056	120,989	465,045	55,759	122,314	643,118

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Schedule

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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 304 — CA-DEAN ARTS/SCI						
24011 College of Science & Arts	282,209	107,358	389,567	67,886		457,453
Subtotal	282,209	107,358	389,567	67,886		457,453
Plus Cross Allocation:						
005 BUILDING					4,053	4,053
010 CAPITAL IMPROVEMENTS					297	297
090 INTEREST					8	8
095 INTEREST INFRASTR					53	53
105 UTILITIES					1,975	1,975
130 BUILDING MAINTENANCE					4,700	4,700
136 CAMPUS WIDE O&M					1,719	1,719
200 GENERAL ADMIN - GEN					61,968	61,968
Total Cost Pool: 304	282,209	107,358	389,567	67,886	74,764	532,217

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Schedule

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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 306 — CA-DEAN BUSINESS						
21002 School of Business	708,761	252,129	960,890	318,704		1,279,594
Subtotal	708,761	252,129	960,890	318,704		1,279,594
Plus Cross Allocation:						
005 BUILDING					689	689
010 CAPITAL IMPROVEMENTS					745	745
050 EQUIPMENT BY ROOM					3,326	3,326
090 INTEREST					9	9
095 INTEREST INFRASTR.					73	73
105 UTILITIES					3,308	3,308
130 BUILDING MAINTENANCE					6,438	6,438
135 CAMPUS WIDE O&M					2,354	2,354
200 GENERAL ADMIN - GEN					173,314	173,314
Total Cost Pool: 306	708,761	252,129	960,890	318,704	190,256	1,468,850

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Schedule

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 308 — CA-DEAN TECHNOLOGY						
25002 School of Technology	430,090	186,493	616,583	80,082		896,665
Subtotal	430,090	186,493	616,583	80,082		896,665
Plus Cross Allocation:						
005 BUILDING					5,851	5,851
010 CAPITAL IMPROVEMENTS					452	452
050 EQUIPMENT BY ROOM					566	566
055 EQUIPMENT BY DEPT					175	175
060 EQUIPMENT IN COMMON SPACE					419	419
090 INTEREST					421	421
095 INTEREST INFRASTR.					104	104
105 UTILITIES					5,740	5,740
110 BLDG SPECIFIC OM					555	555
130 BUILDING MAINTENANCE					8,138	8,138
135 CAMPUS WIDE O&M					3,342	3,342
200 GENERAL ADMIN - GEN					94,359	94,359
Total Cost Pool: 308	430,090	186,493	616,583	80,082	121,122	817,787

See Allocation
Schedule

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 310 — CA- KRC ADMIN						
29600 Keweenaw Research Center	169,746	82,797	252,543	172,514		425,057
Subtotal	169,746	82,797	252,543	172,514		425,057
Plus Cross Allocation:						
010 CAPITAL IMPROVEMENTS					179	179
200 GENERAL ADMIN - GEN					57,571	57,571
Total Cost Pool: 310	169,746	82,797	252,543	172,514	57,750	482,807

See Allocation
Schedule

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Departmental Administration Allocation Summary Schedule

College	DA Amt	IDR MTDC	OR MTDC	MTRI MTDC	OSA MTDC	OIA MTDC	Dept MTDC	Dean's Alloc	DA Amt	DA Cross Alloc	Total DA To Alloc	Alc To IDR	Alc To OR	Alc To MTRI	Alc To OSA	Alc To OIA
21 - DEAN BUSINESS	165,800	4,043,282	43,121		72,625		4,159,029	1,489,650	165,800	22,582	1,658,232	1,612,083	17,193		28,956	
22 - DEAN ENGR	2,053,232	29,992,108	8,774,796		1,254,435	111,632	40,133,171	1,199,009	2,053,232	630,079	3,882,320	2,904,734	618,326		147,166	12,092
23 - DEAN FORESTRY	351,066	3,535,845	3,857,150		583,675	7,006	7,993,676	643,118	351,066	47,780	1,041,964	480,892	504,077		76,081	693
24 - DEAN ARTS/SCIENCE	2,417,539	25,454,187	2,920,795		63,730	55,477	28,494,188	532,218	2,417,539	602,667	3,552,422	3,224,477	314,957		5,777	7,216
25 - DEAN TECHNOLOGY	102,525	2,504,462	104,921		35,449		2,645,822	817,787	102,525	13,960	934,272	884,353	37,049		12,871	
26 - KRC ADMIN	566,572	82,510	3,996,091		2,098	102,169	4,192,858	482,807	566,572	255,703	1,305,082	25,744	1,248,809		651	31,877
99 - ALL COLLEGES	1,692,315	35,468		3,760,667			3,796,135		1,692,315	438,896	2,131,211	1,025,720		1,105,491		
Add Non-MTDC/Rev																
Total:	7,349,049	55,647,852	19,706,874	3,760,667	2,013,003	276,464	91,404,890	5,144,707	7,349,049	2,011,667	14,505,503	10,138,003	2,938,411	1,105,491	271,502	52,093

|----- See Rate Schedule -----|

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Departmental Administration Allocation Schedule

Department	DA Amt	IDR MTDC	OR MTDC	MTRI MTDC	OSA MTDC	OIA MTDC	Dept MTDC	Dean's Alloc	DA Amt	DA Cross Alloc	Total DA To Alloc	Alc To IDR	Alc To OR	Alc To MTRI	Alc To OSA	Alc To OIA
21 — DEAN BUSINESS																
21002-School of	165,800	4,043,282	43,121		72,626		4,159,029	1,469,850	165,800	22,582	1,658,232	1,612,083	17,193			28,956
DEAN BUSINESS	165,800	4,043,282	43,121		72,626		4,159,029	1,469,850	165,800	22,582	1,658,232	1,612,083	17,193			28,956
22 — DEAN ENGR																
22007-Coll of En	150,793	2,477,575	-2			6,988	2,484,541	74,901	150,793	20,495	245,189	245,499				690
22070-Engineer	150,775	882,426	19,301		596,093		1,197,820	38,329	150,775	36,215	225,319	165,991	3,681			55,697
22200-Chemical E	237,779	3,319,494	810,858		2,388	-2,500	4,130,240	124,145	237,779	50,108	412,033	331,153	80,891			238
22400-Civil & En	276,484	4,383,601	1,844,073		603,554	40,130	6,871,358	203,154	276,484	155,342	634,980	405,087	170,410			55,774
22500-Electrical	321,366	5,170,819	987,413		3,858		6,162,090	184,271	321,366	75,751	582,398	488,710	93,323			365
22550-Geological	182,397	1,690,899	815,662		265,270	1,305	2,973,135	88,686	182,397	45,034	317,117	201,685	86,999			28,294
22600-Mechanical	452,959	6,074,573	2,630,047		73,903	12,321	10,890,844	325,252	452,959	77,858	856,059	628,923	220,430			5,756
22700-Materials	194,505	2,452,848	748,179		4,876	54,386	3,260,289	88,191	194,505	121,985	414,682	311,982	95,162			620
28900-Biomedical	86,174	1,339,873	719,265		4,493	-778	2,062,833	61,079	86,174	48,280	193,533	125,704	67,480			422
DEAN ENGR	2,053,232	29,992,108	8,774,796		1,254,435	111,832	40,133,171	1,199,009	2,053,232	630,079	3,982,320	2,904,734	818,326			147,166
23 — DEAN FORESTRY																
23004-Forestry	351,066	3,535,845	3,897,150		583,675	7,006	7,993,676	643,118	351,066	47,780	1,041,964	460,892	504,077			76,081
DEAN FORESTRY	351,066	3,535,845	3,897,150		583,675	7,006	7,993,676	643,118	351,066	47,780	1,041,964	460,892	504,077			76,081
24 — DEAN ARTS/SCIENCE																
22300-Chemistry	306,097	2,851,138	305,384			756	3,157,278	59,630	306,097	74,504	440,231	397,545	42,581			105
24011-Coll of Sc		395,615					395,615	5,796			5,796	5,796				
24100-Biological	218,958	2,755,673	535,154				3,292,037	60,450	218,958	87,223	366,631	305,919	59,712			
24200-Humanities	434,068	3,937,364	68,460		19,450	887	4,028,171	76,793	434,068	115,156	626,017	612,209	10,845			3,024
24219-VisPer Art	157,938	1,274,213				39,123	1,313,336	25,331	157,938	28,732	212,001	205,686				6,915
24300-Mathematic	515,023	4,184,442	75,897				4,260,339	82,218	515,023	88,769	686,011	673,790	12,221			
24400-Computer S	238,118	2,665,682	246,630				2,912,312	54,242	238,118	104,286	386,646	363,056	33,590			
24500-Kinesiology	52,222	965,662	259,993				1,225,855	22,005	52,222	9,930	84,157	66,308	17,849			
24600-Physics	309,529	3,185,810	1,177,791			-8,993	4,354,608	80,300	309,529	50,577	440,206	322,053	119,063			-809
24700-ROTC/Am_AF		17,384					17,384	299		15,229	13,528	13,528				
24800-Social Sci	132,953	2,094,104	145,283			3,443	2,242,830	40,905	132,953	23,067	196,925	183,867	12,756			302
26010-Cognitive	52,833	1,185,700	105,193		44,260	20,251	1,355,424	24,246	52,833	7,194	84,273	73,720	6,540			2,753
DEAN ARTS/SCIENCE	2,417,539	25,454,187	2,920,795		63,730	55,477	28,494,189	532,216	2,417,539	602,867	3,552,422	3,224,477	314,957			5,777

MICHIGAN TECHNOLOGICAL UNIVERSITY

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Departmental Administration Allocation Schedule

Department	DA Amt	IDR MTDC	OR MTDC	MTRI MTDC	OSA MTDC	OIA MTDC	Dept MTDC	Dean's Alloc	DA Amt	DA Cross Alloc	Total DA To Alloc	Alc To IDR	Alc To OR	Alc To MTRI	Alc To OSA	Alc To OIA
25 — DEAN TECHNOLOGY																
25002-School of	102,525	2,504,452	104,921		36,449			2,645,822	817,787	102,525	13,960	934,272	884,353	37,049		12,891
DEAN TECHNOLOGY	102,525	2,504,452	104,921		36,449			2,645,822	817,787	102,525	13,960	934,272	884,353	37,049		12,891
26 — KRC ADMIN																
26600-Keweenaw R	566,572	82,510	3,966,091		2,088	102,169	-4,182,858	482,807	566,572	255,703	1,305,082	25,744	1,246,809		651	31,817
KRC ADMIN	566,572	82,510	3,966,091		2,088	102,169	-4,182,858	482,807	566,572	255,703	1,305,082	25,744	1,246,809		651	31,817
99 — ALL COLLEGES																
25010-Educ Tech	813,648	35,468						35,468	813,648	212,072	1,025,720	1,025,720				
26510-MTRI	878,667			3,760,667				3,760,667	878,667	226,824	1,105,491			1,105,491		
ALL COLLEGES	1,692,315	35,468		3,760,667				3,796,135	1,692,315	438,896	2,131,211	1,025,720		1,105,491		
Add: Non-MTDC/Rev																
Total:	7,349,049	65,647,652	19,706,814	3,760,667	2,013,003	278,484	91,404,880	5,144,787	7,349,049	2,011,687	14,505,503	10,138,003	2,938,411	1,105,491	271,502	52,083

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MICHIGAN TECHNOLOGICAL UNIVERSITY
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Labor/Non-Labor by Department Schedule

Department	F&P	Tech	Prof Adm	Gen Supp	Payroll Salaries	Payroll not used in DCE	Final Salaries	Final Benefits	Total Labor	Total Non-Labor	Total
21 - DEAN BUSINESS											
21002 - School of											
30 - DEPARTMENTAL ADMIN (DA)	111,919		7,066		118,985		118,985	40,213	159,198	6,602	165,800
90 - INSTRUCTION & DR	2,861,264			41,941	2,903,205	-1,715	2,901,490	980,822	3,882,312	160,970	4,043,282
91 - ORGANIZED RESEARCH	39,185				39,185		39,185	3,936	43,121		43,121
92 - OTHER SPON ACTIVITIE	38,045			13,110	51,155	-5	51,150	11,844	62,994	9,632	72,626
Subtotal Dept: 21002 - School of	3,050,413		7,066	55,051	3,112,530	-1,720	3,110,810	1,036,815	4,147,625	177,204	4,324,829
Subtotal College: 21	3,050,413		7,066	55,051	3,112,530	-1,720	3,110,810	1,036,815	4,147,625	177,204	4,324,829
22 - DEAN ENGR											
22007 - Coll of En											
30 - DEPARTMENTAL ADMIN (DA)	67,536				67,536		67,536	21,909	89,445	61,348	150,793
90 - INSTRUCTION & DR	888,100	10,008		186,839	1,084,947	109,962	1,194,809	327,147	1,522,056	855,518	2,477,575
91 - ORGANIZED RESEARCH								-2	-2		-2
95 - OTHER INST ACTIVITY						23,054	23,054	8,666	31,720	-24,752	6,968
Subtotal Dept: 22007 - Coll of En	955,636	10,008		186,839	1,152,483	133,016	1,285,499	357,720	1,643,219	992,115	2,635,334
22070 - Engineerin											
30 - DEPARTMENTAL ADMIN (DA)	32,960			72,377	105,337		105,337	32,489	137,826	12,949	150,775
90 - INSTRUCTION & DR	602,990	8,056		5,499	616,545		616,545	190,079	806,624	76,802	882,426
91 - ORGANIZED RESEARCH	11,486			1,234	12,720		12,720	2,667	15,387	3,914	19,301
92 - OTHER SPON ACTIVITIE	88,870	26,000			124,870	-2,701	122,169	23,873	146,042	150,051	296,093
Subtotal Dept: 22070 - Engineerin	746,306	34,056		79,110	859,472	-2,701	856,771	249,108	1,105,879	242,716	1,348,595
22200 - Chemical E											
30 - DEPARTMENTAL ADMIN (DA)	111,705		44,446		156,151		156,151	51,728	207,879	29,800	237,779

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Labor/Non-Labor by Department Schedule

Department	F&P	Tech	Prof Adm	Gen Supp	Payroll Salaries	Payroll not used in DCE	Final Salaries	Final Benefits	Total Labor	Total Non-Labor	Total
90 - INSTRUCTION & DR	2,065,354	49,838		73,125	2,188,317	1,017	2,189,334	726,516	2,915,850	403,644	3,319,494
91 - ORGANIZED RESEARCH	523,893			38,798	562,691	744	563,435	91,571	655,006	155,852	810,858
92 - OTHER SPON ACTIVITIE										2,388	2,388
95 - OTHER INST ACTIVITY										-2,500	-2,500
Subtotal Dept: 22200 - Chemical E	2,700,952	49,838	44,446	111,923	2,907,159	1,761	2,908,920	868,815	3,778,735	599,284	4,368,019
22400 - Civil & En											
30 - DEPARTMENTAL ADMIN (DA)	185,643				185,643		185,643	61,726	247,369	26,147	273,516
90 - INSTRUCTION & DR	2,898,194	9,210		78,246	2,985,650	-1,619	2,984,031	992,622	3,976,653	406,948	4,383,601
91 - ORGANIZED RESEARCH	1,098,772	39,684		38,604	1,177,060	3,025	1,180,085	235,858	1,415,943	428,130	1,844,073
92 - OTHER SPON ACTIVITIE	218,871	7,717		19,672	246,260	3	246,263	88,851	335,114	268,440	603,554
95 - OTHER INST ACTIVITY						42,833	42,833	11,384	54,217	-14,087	40,130
Subtotal Dept: 22400 - Civil & En	4,401,480	56,611		136,522	4,594,613	44,242	4,638,855	1,390,441	6,029,296	1,115,578	7,144,874
22500 - Electrical											
30 - DEPARTMENTAL ADMIN (DA)	167,563		47,101		214,664		214,664	69,510	284,174	37,192	321,366
90 - INSTRUCTION & DR	3,379,965			93,872	3,473,837	1,502	3,475,339	1,119,826	4,595,165	575,634	5,170,819
91 - ORGANIZED RESEARCH	679,155			27,406	706,561	-456	706,105	89,439	795,544	191,869	987,413
92 - OTHER SPON ACTIVITIE	3,320				3,320		3,320	538	3,858		3,858
Subtotal Dept: 22500 - Electrical	4,230,023		47,101	121,278	4,398,402	1,046	4,399,448	1,279,313	5,678,761	804,695	6,483,456
22550 - Geological											
30 - DEPARTMENTAL ADMIN (DA)	79,822		39,399		119,221		119,221	40,630	159,851	22,546	182,397
90 - INSTRUCTION & DR	1,218,993			30,645	1,249,638	18	1,249,654	438,657	1,688,311	201,588	1,889,899
91 - ORGANIZED RESEARCH	405,325	12,761		10,818	428,904	-180	428,724	47,458	476,182	339,480	815,662
92 - OTHER SPON ACTIVITIE	80,970	37,731		48,587	167,288	-39	167,249	41,116	208,365	56,905	265,270
95 - OTHER INST ACTIVITY						808	808		808	497	1,305
Subtotal Dept: 22550 - Geological	1,785,110	50,492	39,399	90,050	1,965,051	605	1,965,656	568,861	2,534,517	621,016	3,155,533
22600 - Mechanical											
30 - DEPARTMENTAL ADMIN (DA)	300,409				300,409		300,409	95,260	395,669	57,290	452,959

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Labor/Non-Labor by Department Schedule

Department	F&P	Tech	Prof Adm	Gen Supp	Payroll Salaries	Payroll not used in DCE	Final Salaries	Final Benefits	Total Labor	Total Non-Labor	Total
90 - INSTRUCTION & DR	5,176,081	89,390		166,420	5,431,901	-8,532	5,423,369	1,725,301	7,148,670	925,903	8,074,573
91 - ORGANIZED RESEARCH	1,745,712	54,112		103,804	1,903,628	8,440	1,912,068	289,050	2,201,118	628,929	2,830,047
92 - OTHER SPON ACTIVITIE	25,589			1,776	27,345		27,345	9,132	36,477	37,426	73,903
95 - OTHER INST ACTIVITY						13,574	13,574	5,192	18,766	-6,445	12,321
Subtotal Dept: 22600 - Mechanical	7,247,781	143,502		272,000	7,663,283	13,482	7,676,765	2,123,935	9,800,700	1,643,103	11,443,803
22700 - Materials											
30 - DEPARTMENTAL ADMIN (DA)	96,987		39,830		126,817		126,817	44,313	171,130	20,697	191,827
90 - INSTRUCTION & DR	1,570,947	4,858		51,593	1,627,198	-443	1,626,755	566,344	2,193,099	258,748	2,452,848
91 - ORGANIZED RESEARCH	508,836	1,470		17,901	528,207	1,186	529,393	94,957	624,350	123,829	748,179
92 - OTHER SPON ACTIVITIE	2,599			1,480	4,069		4,069	559	4,628	248	4,876
95 - OTHER INST ACTIVITY						38,811	38,811	9,654	48,465	5,921	54,386
Subtotal Dept: 22700 - Materials	2,169,369	6,128	39,830	70,974	2,286,291	38,654	2,325,845	715,827	3,041,672	410,444	3,452,116
28900 - Biomedical											
30 - DEPARTMENTAL ADMIN (DA)	55,897				55,897		55,897	18,376	74,263	11,911	86,174
90 - INSTRUCTION & DR	867,042	5,254		7,880	880,176	-2	880,174	289,380	1,169,554	170,319	1,339,873
91 - ORGANIZED RESEARCH	323,765	10,440		78,366	412,571	2	412,573	56,369	468,942	250,323	719,265
92 - OTHER SPON ACTIVITIE	2,668			1,508	4,176		4,176	233	4,409	84	4,493
95 - OTHER INST ACTIVITY						1,888	1,888	312	2,200	-2,978	-778
Subtotal Dept: 28900 - Biomedical	1,249,362	15,694		87,754	1,352,810	1,886	1,354,698	364,670	1,719,368	429,659	2,149,027
Subtotal College: 22	25,486,009	366,329	170,776	1,156,450	27,179,564	232,893	27,412,457	7,919,690	35,332,147	6,848,610	42,180,757
23 - DEAN FORESTRY											
23004 - Forestry											
30 - DEPARTMENTAL ADMIN (DA)	218,323				218,323		218,323	69,448	287,771	83,295	351,066
90 - INSTRUCTION & DR	1,891,773	65,508		243,207	2,200,486	-382	2,200,124	701,485	2,901,609	634,258	3,535,845
91 - ORGANIZED RESEARCH	1,605,956	407,789		318,298	2,332,043	4,917	2,336,960	451,585	2,788,545	1,078,605	3,867,150
92 - OTHER SPON ACTIVITIE	268,137	27,786		6,779	302,712	2,104	304,816	80,411	385,227	198,448	583,675

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Labor/Non-Labor by Department Schedule

Department	F&P	Tech	Prof Adm	Gen Supp	Payroll Salaries	Payroll not used in DCE	Final Salaries	Final Benefits	Total Labor	Total Non-Labor	Total
95 - OTHER INST ACTIVITY						27,583	27,583	11,697	39,280	-32,274	7,006
Subtotal Dept: 23004 - Forestry	3,984,189	501,091		568,284	5,053,564	34,242	5,087,806	1,314,606	6,402,412	1,942,330	8,344,742
Subtotal College: 23	3,984,189	501,091		568,284	5,053,564	34,242	5,087,806	1,314,606	6,402,412	1,942,330	8,344,742
24 - DEAN ARTS/SCIENCE											
22300 - Chemistry											
30 - DEPARTMENTAL ADMIN (DA)	87,143		63,765	59,872	210,780		210,780	64,116	274,896	31,201	306,097
90 - INSTRUCTION & DR	1,868,528	40,872		58,532	1,868,932	69	1,969,000	602,958	2,571,958	279,280	2,851,138
91 - ORGANIZED RESEARCH	138,657	24,112		4,481	167,260	1,082	168,342	25,218	193,560	111,824	305,384
95 - OTHER INST ACTIVITY						3,123	3,123	1,195	4,318	-3,562	756
Subtotal Dept: 22300 - Chemistry	2,094,328	64,984	63,765	123,895	2,346,972	4,273	2,351,245	693,387	3,044,632	418,743	3,463,375
24011 - Coll of Sc											
90 - INSTRUCTION & DR						242,125	242,125	92,613	334,738	1,877	336,615
Subtotal Dept: 24011 - Coll of Sc						242,125	242,125	92,613	334,738	1,877	336,615
24100 - Biological											
30 - DEPARTMENTAL ADMIN (DA)	87,367		45,153		132,520		132,520	47,207	179,727	39,231	218,958
90 - INSTRUCTION & DR	1,610,074	12,986		55,866	1,678,726	-535	1,678,191	602,984	2,281,185	474,888	2,756,073
91 - ORGANIZED RESEARCH	215,170	16,464		29,122	260,756	435	261,191	32,161	293,352	242,812	536,164
Subtotal Dept: 24100 - Biological	1,912,611	29,450	45,153	84,788	2,072,002	-100	2,071,902	682,382	2,754,264	756,731	3,510,995
24200 - Humanities											
30 - DEPARTMENTAL ADMIN (DA)	111,847		72,127	125,917	309,891		309,891	91,816	401,707	32,361	434,068
90 - INSTRUCTION & DR	2,789,057	16,579		6,172	2,811,808	-2	2,811,806	832,024	3,643,830	293,534	3,937,364
91 - ORGANIZED RESEARCH	52,223			116	52,339		52,339	5,254	57,593	10,867	68,460
92 - OTHER SPON ACTIVITIE										19,450	19,450
95 - OTHER INST ACTIVITY										897	897

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Labor/Non-Labor by Department Schedule

Department	F&P	Tech	Prof Adm	Gen Supp	Payroll Salaries	Payroll not used in DCE	Final Salaries	Final Benefits	Total Labor	Total Non-Labor	Total
Subtotal Dept: 24200 - Humanities	2,953,127	16,579	72,127	132,205	3,174,038	-2	3,174,036	929,094	4,103,130	357,109	4,460,239
24219 - VisPer Art											
30 - DEPARTMENTAL ADMIN (DA)	34,749		10,008	55,408	100,165		100,165	36,113	136,278	21,660	157,938
90 - INSTRUCTION & DR	803,490	4,618			808,098	-1	808,097	291,399	1,099,496	174,717	1,274,213
95 - OTHER INST ACTIVITY						8,147	8,147	446	8,693	30,530	39,123
Subtotal Dept: 24219 - VisPer Art	838,229	4,618	10,008	55,408	908,263	8,146	916,409	327,958	1,244,367	226,907	1,471,274
24300 - Mathematic											
30 - DEPARTMENTAL ADMIN (DA)	117,834		39,014	217,161	374,009		374,009	112,725	486,734	28,289	515,023
90 - INSTRUCTION & DR	3,039,326				3,039,326	-44	3,039,282	916,654	3,955,936	228,506	4,184,442
91 - ORGANIZED RESEARCH	61,924				61,924		61,924	8,376	70,300	5,597	75,897
Subtotal Dept: 24300 - Mathematic	3,219,084		39,014	217,161	3,475,259	-44	3,475,215	1,037,755	4,512,970	262,392	4,775,362
24400 - Computer S											
30 - DEPARTMENTAL ADMIN (DA)	79,380		31,728	58,453	169,571		169,571	54,329	223,900	14,218	238,118
90 - INSTRUCTION & DR	1,879,784			18,234	1,898,018	-3	1,898,015	608,496	2,506,511	159,171	2,665,682
91 - ORGANIZED RESEARCH	193,744			1,878	195,622	-2	195,620	40,134	235,754	10,876	246,630
Subtotal Dept: 24400 - Computer S	2,152,918		31,728	78,565	2,263,211	-5	2,263,206	702,959	2,966,165	184,265	3,150,430
24500 - Kinesiology											
30 - DEPARTMENTAL ADMIN (DA)	33,410				33,410		33,410	10,721	44,131	8,081	52,222
90 - INSTRUCTION & DR	587,843	21,082		20,665	629,590	-764	628,826	203,104	831,930	133,932	965,862
91 - ORGANIZED RESEARCH	121,748	1,568		17,180	140,496	1,130	141,626	33,658	175,284	84,709	259,993
Subtotal Dept: 24500 - Kinesiology	743,101	22,650		37,745	803,496	366	803,862	247,483	1,051,345	226,732	1,278,077
24600 - Physics											
30 - DEPARTMENTAL ADMIN (DA)	120,100		38,333	57,279	215,712		215,712	65,895	281,607	27,722	309,329
90 - INSTRUCTION & DR	2,072,316	54,727		105,201	2,232,244	-4,399	2,227,845	683,007	2,910,852	274,958	3,185,810

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Labor/Non-Labor by Department Schedule

Department	F&P	Tech	Prof Adm	Gen Supp	Payroll Salaries	Payroll not used in DCE	Final Salaries	Final Benefits	Total Labor	Total Non-Labor	Total
91 - ORGANIZED RESEARCH	873,888	46,865		35,151	755,484	3,485	759,969	147,809	906,778	271,013	1,177,791
95 - OTHER INST ACTIVITY										-8,993	-8,993
Subtotal Dept: 24600 - Physics	2,886,084	101,392	38,333	197,831	3,203,440	-914	3,202,526	896,711	4,099,237	584,700	4,683,937
24700 - ROTCArm_AF											
90 - INSTRUCTION & DR										17,384	17,384
Subtotal Dept: 24700 -										17,384	17,384
24800 - Social Sci											
30 - DEPARTMENTAL ADMIN (DA)	60,749		34,452		95,201		95,201	31,382	126,583	6,390	132,953
90 - INSTRUCTION & DR	1,492,627	1,993		18,508	1,513,128	-6,704	1,506,424	500,557	2,006,981	87,123	2,094,104
91 - ORGANIZED RESEARCH	51,931	2,112		10,758	64,801	8,702	71,503	4,644	76,147	69,136	145,283
95 - OTHER INST ACTIVITY										3,443	3,443
Subtotal Dept: 24800 - Social Sci	1,605,307	4,105	34,452	29,266	1,673,130	-2	1,673,128	536,663	2,209,691	166,092	2,375,783
26010 - Cognitive											
30 - DEPARTMENTAL ADMIN (DA)	36,572				36,572		36,572	12,223	48,795	4,038	52,833
90 - INSTRUCTION & DR	818,637				818,637	5,682	822,329	273,073	1,095,402	90,298	1,185,700
91 - ORGANIZED RESEARCH	78,688				78,688		78,688	9,861	88,329	18,864	105,193
92 - OTHER SPON ACTIVITIE	25,982				25,982	-6,133	19,849	5,324	25,173	19,107	44,280
95 - OTHER INST ACTIVITY						4,400	4,400	-440	4,840	15,411	20,251
Subtotal Dept: 26010 - Cognitive	955,859				955,859	3,959	959,819	300,721	1,260,539	147,718	1,408,257
Subtotal College: 24	19,340,648	243,778	334,580	956,664	20,875,670	157,802	21,133,472	6,447,606	27,581,078	3,330,650	30,911,728
25 - DEAN TECHNOLOGY											
25002 - School of											
30 - DEPARTMENTAL ADMIN (DA)	70,326				70,326		70,326	24,923	95,249	7,276	102,525
90 - INSTRUCTION & DR	1,681,644			30,856	1,692,500	43,654	1,736,154	602,192	2,338,346	166,106	2,604,452

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Labor/Non-Labor by Department Schedule

Department	F&P	Tech	Prof Adm	Gen Supp	Payroll Salaries	Payroll not used in DCE	Final Salaries	Final Benefits	Total Labor	Total Non-Labor	Total
- ORGANIZED RESEARCH	39,612			15,674	55,286	-1,857	53,429	2,228	55,657	49,264	104,921
- OTHER SPON ACTIVITIE	13,299			660	13,959		13,959	2,926	16,885	19,564	36,449
total Dept: 25002 - School of	1,784,881			47,190	1,832,071	41,797	1,873,868	632,269	2,506,137	242,210	2,748,347
total College: 25	1,784,881			47,190	1,832,071	41,797	1,873,868	632,269	2,506,137	242,210	2,748,347
- KRC ADMIN											
2500 - Keweenaw R											
- DEPARTMENTAL ADMIN (DA)	109,809				109,809		109,809	36,676	146,485	260,995	407,480
- INSTRUCTION & DR	21,193	708			21,901	50,604	72,505	8,577	80,882	1,628	82,510
- ORGANIZED RESEARCH	1,346,950	220,821		138,491	1,706,262	3,724	1,709,986	611,493	2,221,469	1,774,622	3,996,091
- OTHER SPON ACTIVITIE										2,098	2,098
- OTHER INST ACTIVITY						57,130	57,130	19,289	76,419	25,750	102,169
total Dept: 28600 - Keweenaw	1,477,952	221,529		138,491	1,837,972	111,458	1,949,430	675,825	2,525,255	2,065,083	4,590,338
total College: 26	1,477,952	221,529		138,491	1,837,972	111,458	1,949,430	675,825	2,525,255	2,065,083	4,590,338
- ALL COLLEGES											
2500 - Educ Tech											
- INSTRUCTION & DR										35,468	35,468
total Dept: 25010 - Educ Tech										35,468	35,468
total College: 99										35,468	35,468
total:	55,124,092	1,332,727	512,422	2,922,130	59,891,371	676,472	60,667,843	17,926,811	78,494,654	14,641,555	93,136,209

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DCE/DA Calculation Summary By Department Report

Department: 22600 — Mechanical Eng.
 DA Cost Pool: 413 — DA-Mechanical Engrg-Engrg Mech

***** DCE CALCULATION *****

Sponsored GNS Salaries	102,492
Sponsored F&P Salaries	1,918,687
DCE Ratio	5.34%
Non-sponsored F&P Salaries	5,472,596
Less: Calculated FAA Salaries	300,409
Adjusted Salaries	5,172,187
Multiply: DCE Ratio	5.34%
Calculated Non-sponsored GNS Salaries	276,195
Actual Non-sponsored GNS Salaries	169,508
Residual Non-sponsored GNS Salaries to DA	0

***** 3.6% CALCULATION *****

Departmental MTDC	11,443,803
Less: DA ADM Salaries	0
Less: DA GNS Salaries	0
Less: DA F&P Salaries	300,409
Less: DA ADM/GNS Benefits	0
Less: DA F&P Benefits	95,260
Less: DA Other Expenditures	57,290
Adjusted Total Costs	10,990,844
Multiply: 3.6%	3.6%
Calculated FAA	395,669
Multiply: Benefit Rate	31.71%
DA F&P Benefits	95,260
DA F&P Salaries	300,409

MICHIGAN TECHNOLOGICAL UNIVERSITY
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DCE/DA Calculation Summary By Department Report

Department: 22600 — Mechanical Eng.
 DA Cost Pool: 413 — DA-Mechanical Engrg-Engrg Mech

***** OTHER EXPENDITURES - PRORATE *****			
Ratio of DA/Non-sponsored Salaries:			
DA Salaries:			
DA Admin Salaries	0		
DA GNS Salaries	0		
DA F&P Salaries	300,409		
Total DA Salaries	300,409		300,409
Non-sponsored Salaries:			
Non-sponsored Admin Salaries	0		
Non-sponsored GNS Salaries	169,508		
Non-sponsored F&P Salaries	5,472,596		
Total Non-sponsored salaries	5,642,104		5,642,104
Ratio of DA/Non-sponsored Salaries			5.32%
Multiply: Non-sponsored Other Expenditures			1,076,871
DA Other Expenditures			57,290

MICHIGAN TECHNOLOGICAL UNIVERSITY
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DCE/DA Calculation Summary By Department Report

Department: 22600 — Mechanical Eng.
 DA Cost Pool: 413 — DA-Mechanical Engrg-Engrg Mech

***** FRINGE BENEFITS *****

Effective Benefit Rate Calculation:

Non-sponsored Fringe Benefits		1,789,028
Non-sponsored F&P Salaries	5,472,596	
Multiply: Benefit Rate	31.71 %	
Less: Non-sponsored F&P Benefits		1,735,360
Non-sponsored Admin/GNS Benefits		53,668
Divide: Non-sponsored Admin/GNS Salaries		169,508
Benefit Rate		31.66%
Multiply: DA Admin/GNS Salaries		0
DA Admin/GNS Benefits		0
DA F&P Benefits		95,260
DA Fringe Benefits		95,260

***** SUMMARY OF DA CALCULATION *****

DA Admin Salaries		0
DA GNS Salaries		0
DA F&P Salaries		300,409
Total DA Salaries		300,409
DA Admin/GNS Benefits		0
DA F&P Benefits		95,260
Total DA Benefits		95,260
Total DA Other Expenditures		57,290
Total DA Costs		452,959
From Cost Pools:		
900 — INSTRUCTION & DR		446,834
910 — ORGANIZED RESEARCH		6,125
920 — PUBLIC SERVICE/OSA		0
930 — OTHER INST ACTIVITY		0

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

DCE/DA Calculation Summary By Department Report

Department: 22600 — Mechanical Eng.

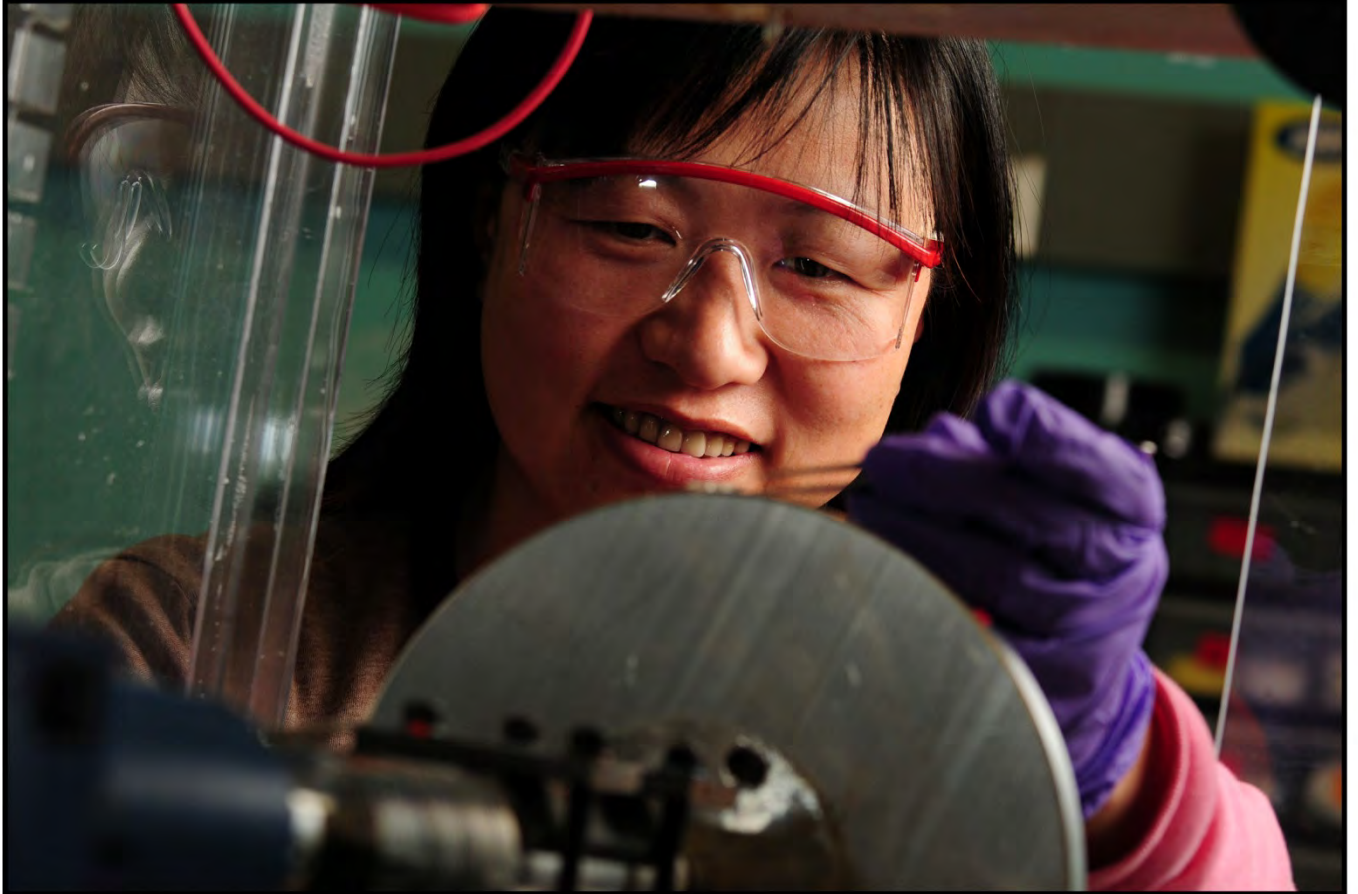
DA Cost Pool: 413 — DA-Mechanical Engrg-Engrg Mech

Total DA Transfer From	452,959
Total DA Adjustment	0



Section K

Sponsored Projects Administration Schedules



Sponsored Projects Administration Schedules

This section includes the supporting schedules for the expense and allocation of the Sponsored Projects Administration (SPA) Cost Pool. The schedules listed below support the SPA component in the proposal:

- K1 Indirect by Department Report (Final Costs by Department-Sponsored Projects Administration).**
This schedule shows the department detail for SPA costs.

- K2 Allocation by Cost Pool Report (Sponsored Projects Administration).** This schedule shows allocation of SPA costs to benefiting cost groups. These costs are allocated on the basis of sponsored modified total direct costs (MTDC).

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 600 — SPON PROJ ADMIN						
42001 Vice Pres for Research	869,317	321,381	1,190,698	185,449		1,376,147
42002 Innovation & Industry Engagemen	455,390	173,084	628,474	402,374		1,030,848
42003 Sponsored Programs Office	379,814	143,448	523,262	23,741		547,003
42004 Sponsored Programs Acctg	302,802	114,472	417,274	21,784		439,058
Subtotal	2,007,323	752,385	2,759,708	633,348		3,393,056
Plus Cross Allocation:						
005 BUILDING					89,569	89,569
010 CAPITAL IMPROVEMENTS					2,111	2,111
050 EQUIPMENT BY ROOM					8,324	8,324
055 EQUIPMENT BY DEPT					354	354
060 EQUIPMENT IN COMMON SPACE					1,844	1,844
090 INTEREST					54,540	54,540
095 INTEREST INFRASTR.					437	437
105 UTILITIES					50,716	50,716
110 BLDG SPECIFIC OM					7,783	7,783
130 BUILDING MAINTENANCE					38,386	38,386
135 CAMPUS WIDE O&M					14,037	14,037
200 GENERAL ADMIN - GEN					459,570	459,570
Total Cost Pool: 600	2,007,323	752,385	2,759,708	633,348	727,671	4,120,727

See Allocation
Schedule

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Allocation by Cost Pool Report

Receiving Cost Group	Stat Amount	Percent	Allocated Amount	
Cost Pool: 600 SPON PROJ ADMIN				
90 —INSTRUCTION & DR	524,568	1.84	75,797	See Rate Schedule
91 —ORGANIZED RESEARCH	19,777,866	69.35	2,857,784	See Rate Schedule
91A —ORG RES - MTRI	3,760,667	13.19	543,394	See Rate Schedule
92 —OTHER SPON ACTIVITIE	4,427,054	15.52	639,683	See Rate Schedule
95 —OTHER INST ACTIVITY	28,159	0.10	4,069	See Rate Schedule
Total Cost Pool: 600	28,518,314	100.00	4,120,727	

Section L

Student Services Administration Schedules



Student Services Administration Schedules

This section includes the supporting schedules for the expense and allocation of the Student Services Administration (SSA) Cost Pool. The schedules listed below support the SSA component in the proposal:

- L1 Cost Group Step-down Schedule (Student Services Administration).** This schedule shows allocation of SSA costs to the benefiting cost group. These costs were allocated 100% to Instruction.
- L2 Indirect by Department Report (Final Costs by Department-Student Services Administration).** This schedule shows the department detail for SSA costs.
- L3 Allocation by Cost Pool Report.** This schedule shows that SSA costs are allocated 100% to the Instruction direct base.

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Cost Group Stepdown Schedule

Cost Pool	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Group: 70 - STUDENT SERV ADMIN													
700 - STUDENT SERV ADMIN								7,696,846					7,696,846
Subtotal Cost Group: 70								7,696,846					7,696,846
								----- See Rate Schedules -----					

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 700 — STUDENT SERV ADMIN						
10075				369		369
20950				4,626		4,626
22300	7,118		7,118			7,337
22500				5,118		5,118
24219	57	6	63	22,510		22,573
24500				3,814		3,814
28009				58,131		58,131
30090	87,789	33,070	120,859	8,638		129,497
30100	26,327	10,070	36,397	102,928		139,325
31000	355,708	136,058	491,766	53,168		544,934
31110	687,907	242,112	930,019	500,326		1,430,345
31400	373,182	141,220	514,402	63,352		577,754
32000	531,877	188,186	731,073	153,846		884,919
33000	277,185	101,885	379,070	43,811		422,881
34004	465,924	161,189	627,113	85,028		713,141
35000	318,219	119,675	437,894	87,638		525,532
38130	234,817	50,107	284,924	124,200		409,124
38140	111,065	32,422	143,487	9,508		152,995
38180	190,809	66,966	257,775	89,027		346,802
40500				2,737		2,737
65000				165,775		165,775
Subtotal	3,667,984	1,293,976	4,961,960	1,585,769		6,547,729
Plus Cross Allocation:						
005	BUILDING				6,814	6,814
010	CAPITAL IMPROVEMENTS				3,857	3,857
050	EQUIPMENT BY ROOM				5,335	5,335
055	EQUIPMENT BY DEPT				28,588	28,588
060	EQUIPMENT IN COMMON SPACE				133	133
090	INTEREST				190	190
095	INTEREST INFRASTR.				1,157	1,157
105	UTILITIES				41,252	41,252
110	BLDG SPECIFIC OM				38,006	38,006
130	BUILDING MAINTENANCE				101,747	101,747
135	CAMPUS WIDE O&M				37,206	37,206
200	GENERAL ADMIN - GEN				886,852	886,852
Total Cost Pool: 700	3,667,984	1,293,976	4,961,960	1,585,769	1,149,117	7,686,846

See Allocation
Schedule

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Allocation by Cost Pool Report

Receiving Cost Group	Stat Amount	Percent	Allocated Amount	
Cost Pool: 700 STUDENT SERV ADMIN				
90 — INSTRUCTION & DR	100	100.00	7,696,846	See Rate Schedule
Total Cost Pool: 700	100	100.00	7,696,846	

Section M Library Schedules



Library Schedules

This section includes the supporting schedules for the expense and allocation of the Library Cost Pool. The schedules listed below support the library component in the proposal:

- M1 Cost Group Step-down Schedule (Library).** This schedule summarizes the allocation results for the Library Cost Pool.
- M2 Indirect by Department Report (Final Costs by Department-Library).** This schedule shows the department details for the library costs.
- M3 FTE Allocation Report (Library).** The schedule shows allocation of university library costs to benefiting Student, Faculty/Professional, and Other categories based on full-time equivalents (FTEs). The Student portion is allocated to Instruction, the Faculty/Professional portion is allocated to Benefiting Cost Groups based on the basis of salaries and wages, and Other, representing any outside users of the library, is allocated to Other Institutional Activity (OIA).

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Cost Group Stepdown Schedule

Cost Pool	INT	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
Cost Group: 80 - LIBRARY													
800 - LIBRARY								6,025,784	278,747	83,056	56,471	421,642	6,845,700
Subtotal Cost Group: 80								6,025,784	278,747	83,056	56,471	421,642	6,845,700

|----- See Rate Schedules -----|

MICHIGAN TECHNOLOGICAL UNIVERSITY
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Indirect by Department Report

Department	Salaries	Benefits	Salaries/ Benefits	Other	Cross Allocation	Total
Cost Pool: 800 — LIBRARY						
27000 J Robert Van Pelt Library	1,074,896	411,580	1,486,476	3,135,890		4,622,366
Subtotal	1,074,896	411,580	1,486,476	3,135,890		4,622,366
Plus Cross Allocation:						
005 BUILDING					344,766	344,766
010 CAPITAL IMPROVEMENTS					1,130	1,130
050 EQUIPMENT BY ROOM					16,862	16,862
090 INTEREST					182,887	182,887
095 INTEREST INFRASTR.					5,437	5,437
105 UTILITIES					382,401	382,401
110 BLDG SPECIFIC OM					11,058	11,058
130 BUILDING MAINTENANCE					477,946	477,946
136 CAMPUS WIDE O&M					174,773	174,773
200 GENERAL ADMIN - GEN					626,073	626,073
Total Cost Pool: 800	1,074,896	411,580	1,486,476	3,135,890	2,223,334	6,945,700

See Allocation
Schedule

**MICHIGAN TECHNOLOGICAL UNIVERSITY
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FTE Allocation Report

Receiving Cost Group	Stat Amount	Percent	Allocate Amt	
Cost Pool: 800 — LIBRARY				
Step 1:				
FAC/PROF	1,387	24.27	1,661,415	
OTHER	352	6.16	421,642	
STUDENTS	3,976	69.57	4,762,643	
	<u>5,715</u>	100.00	6,845,700	
Step 2: FAC/PROF				
90 INSTRUCTION & DR	46,071,193	76.03	1,263,141	See Rate Schedule
91 ORGANIZED RESEARCH	10,166,889	16.78	278,747	See Rate Schedule
91A ORG RES - MTRI	2,299,863	3.80	63,056	See Rate Schedule
92 OTHER SPON ACTIVITIE	2,059,701	3.40	56,471	See Rate Schedule
	<u>60,597,646</u>	100.01	1,661,415	
Step 2: OTHER				
95 OTHER INST ACTIVITY	935,114	100.00	421,642	See Rate Schedule
	<u>935,114</u>	100.00	421,642	
Step 2: STUDENTS				
90 INSTRUCTION & DR	46,071,193	100.00	4,762,643	See Rate Schedule
	<u>46,071,193</u>	100.00	4,762,643	

Total Cost Pool: 800

Section N Other Space Data Requests



Other Space Data Requests

This section includes the additional space data requests that support the Federal Government's specific data requirements.

Documentation and Instructions. The University has developed a web-based space and equipment inventory management and planning system called ASPIRE (Accounting for Space, Indexes, Research, and Equipment). This user-friendly system is reviewed by our space coordinators, our deans, and our executive team. The departmental space coordinators, who are the most knowledgeable about the functional utilization of their space, update ASPIRE.

In addition to the F&A rate computation, our space surveys are used in determining the University's space allocation and space utilization metrics. During 2010 and 2011 we developed research space utilization matrices, and university departments became more accountable for their research space. We believe that these internal metrics complement the requirements of the A-21 space assignment, so the following reports are a fair representation of our space utilization.

- N1 ASF by School/Department/Building/Cost Group Report (Square Footage).** This schedule summarizes square footage by school, department, and building.

- N2 ASF by School/Building/Department/Cost Group Report (Square Footage).** This schedule summarizes square footage by school, building, and department.

MICHIGAN TECHNOLOGICAL UNIVERSITY
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ASF by School/Department/Building/Cost Group Report

Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 21 - DEAN BUSINESS												
Department: 21002 - School of Business												
06 - Academic Offices Building			1,230				9,729					10,959
15 - Fisher Hall							797					797
Subtotal Dept: 21002			1,230				10,526					11,756
Subtotal College: 21			1,230				10,526					11,756
College: 22 - DEAN ENGR												
Department: 22007 - College of Engineering												
07 - Electrical Energy Resources Ct		175	90									265
08 - Dow Envir Sciences & Engr Bldg							209					209
12 - Minerals & Materials Engr Bldg		191	3,423				2,072	2,263		218	1,259	9,384
14 - Grover C. Dillman Hall							420					420
20 - R. L. Smith Building							369			270		639
Subtotal Dept: 22007		306	3,513				3,070	2,263		486	1,259	10,897
Department: 22070 - Engineering Fundamentals												
14 - Grover C. Dillman Hall			1,371				6,435					7,806
Subtotal Dept: 22070			1,371				6,435					7,806
Department: 22200 - Chemical Engineering												
08 - Dow Envir Sciences & Engr Bldg							348	271				619
12 - Minerals & Materials Engr Bldg							2,984	2,337				5,331
18 - Chemical Sciences & Engr Bldg			907				27,114	6,611				34,632
Subtotal Dept: 22200			907				30,456	9,219				40,582

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Department/Building/Cost Group Report

Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 22 - DEAN ENGR												
Department: 22400 - Civil & Environmental Engineer												
08 - Dow Envir Sciences & Engr Bldg			2,183				19,864	5,036		108	186	27,377
12 - Minerals & Materials Engr Bldg							238	12,212			3,052	15,502
14 - Grover C. Dillman Hall			966				19,360	5,757		1,378		27,461
49 - Waste Mgmt Resrces Recvry Bldg							3,875					3,875
Subtotal Dept: 22400			3,149				43,337	23,005		1,486	3,238	74,215
Department: 22500 - Electrical and Computer Engine												
07 - Electrical Energy Resources Ct			2,230				32,519	10,711				45,460
84 - AMJOCH Observatory							352					352
Subtotal Dept: 22500			2,230				32,871	10,711				45,812
Department: 22550 - Geological & Mining Eng & Scie												
08 - Dow Envir Sciences & Engr Bldg			427				18,672	1,711		212	230	21,152
12 - Minerals & Materials Engr Bldg										730		730
14 - Grover C. Dillman Hall							3,475					3,475
49 - Waste Mgmt Resrces Recvry Bldg							769					769
Subtotal Dept: 22550			427				22,816	1,711		942	230	26,126
Department: 22600 - Mechanical Eng.												
102 - Advncd Power Sysms Rsch Ctr							9,481	24,084				33,565
20 - R. L. Smith Building			1,328				56,955	12,898			242	71,523
92 - Alternative Enrgy Rsch Bldg							1,348	2,259				3,607
Subtotal Dept: 22600			1,328				67,784	39,341			242	108,696
Department: 22700 - Materials Science and Eng.												
12 - Minerals & Materials Engr Bldg			13	4,880			31,748	10,925		5	3,248	50,819

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Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 22 - DEAN ENGR												
Subtotal Dept: 22700		13	4,880				31,748	10,925		5	3,248	50,819
Department: 28900 - Biomedical Engineering												
12 - Minerals & Materials Engr Bldg			1,737				9,224	4,054				15,015
Subtotal Dept: 28900			1,737				9,224	4,054				15,015
Subtotal College: 22		319	19,542				347,741	101,229		2,919	8,217	379,967
College: 23 - DEAN FORESTRY												
Department: 23004 - Schl Forest Res and Env Sci												
18 - U.J.Noblet Forestry Building			2,884				18,282	27,030		516	362	50,074
201 - FFC Hemlock Residence											1,260	1,260
202 - FFC Sassafras Residence											1,190	1,190
203 - FFC Elm Residence											1,348	1,348
204 - FFC Birdsey Residence											1,581	1,581
205 - FFC Spruce Residence											1,482	1,482
206 - FFC Tamarack Residence											1,779	1,779
207 - FFC Birch Residence											1,402	1,402
208 - FFC Basswood Residence											1,515	1,515
209 - FFC Cedar Residence											1,480	1,480
210 - FFC Beech Residence											1,269	1,269
211 - FFC Ash Residence											2,124	2,124
212 - FFC Balsam Residence											874	874
213 - FFC Pump House											636	636
214 - FFC Sawmill Museum											6,720	6,720
215 - FFC 8-Car Garage											1,730	1,730
216 - FFC Dorm II											5	5
217 - FFC Classroom I												4
218 - FFC Class 2							1,150					1,150
220 - FFC Recreation Bldg											2	2

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Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 23 - DEAN FORESTRY												
221 - FFC Computer Lab											1,150	1,150
222 - FFC Classroom 3							4					4
223 - FFC Dorm											11,250	11,250
224 - FFC Carriage House											2,695	2,695
225 - FFC Storage Bldg III											255	255
226 - FFC Storage Bldg II								1,740			580	2,320
227 - FFC Storage Shed											260	260
229 - FFC Lumber Storage											2,520	2,520
230 - FFC 9-Stall Garage											4,180	4,180
231 - FFC Maintenance Bldg											5	5
233 - FFC Main Office							1				13	14
27 - Ford Forestry Center											10	10
80 - Sands Pilot Plant	138							10,513				10,651
Subtotal Dept: 23004	138		2,884				20,441	39,283		516	49,857	112,919
Subtotal College: 23	138		2,884				20,441	39,283		516	49,857	112,919
College: 24 - DEAN ARTS/SCIENCE												
Department: 22300 - Chemistry												
19 - Chemical Sciences & Engr Bldg	486		1,634				36,693	5,379			1,649	45,841
21 - Volatile Liquid & Gases Bldg							180					180
Subtotal Dept: 22300	486		1,634				36,873	5,379			1,649	46,021
Department: 24011 - College of Science & Arts												
11 - Walker Arts & Humanities Ctr			888					13			138	1,049
Subtotal Dept: 24011			888					13			138	1,049
Department: 24100 - Biological Sciences												
08 - Dow Envir Sciences & Engr Bldg			1,163				25,487	7,781		6	120	34,557

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Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 24 - DEAN ARTS/SCIENCE												
20 - R. L. Smith Building							7,165					7,165
42 - Facilities Management Storage							1,520					1,520
Subtotal Dept: 24100			1,153				34,172	7,791		8	120	43,242
Department: 24200 - Humanities												
11 - Walker Arts & Humanities Ctr			4,023		94		11,820	187		199	132	18,255
Subtotal Dept: 24200			4,023		94		11,820	187		199	132	18,255
Department: 24219 - Visual and Performing Arts												
10 - Rozsa Cntr for Performing Arts											3,056	3,056
11 - Walker Arts & Humanities Ctr			486				14,877				2,323	17,688
Subtotal Dept: 24219			486				14,877				5,379	20,742
Department: 24300 - Mathematical Sciences												
15 - Fisher Hall		743	1,434				11,084	121			131	13,513
Subtotal Dept: 24300		743	1,434				11,084	121			131	13,513
Department: 24400 - Computer Sciences												
28 - Kanwal and Ann Rekhi Hall			2,292				17,609	791			497	21,189
Subtotal Dept: 24400			2,292				17,609	791			497	21,189
Department: 24500 - Kinesiology & Integrative Phys												
08 - Dow Envir Sciences & Engr Bldg							274	274				548
24 - Student Development Complex			231				4,787	1,415		70	28	8,531
Subtotal Dept: 24500			231				5,061	1,689		70	28	7,079

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Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 24 - DEAN ARTS/SCIENCE												
Department: 24600 - Physics												
08 - Dow Envir Sciences & Engr Bldg							142	1,159				1,301
13 - Hamar House							300	300				600
15 - Fisher Hall			651				17,699	5,657			399	24,406
28 - Kanwal and Ann Rekhi Hall							514	249				763
Subtotal Dept: 24600			651				18,655	7,365			399	27,070
Department: 24700 - Military Sci (Army ROTC)												
04 - ROTC Building		736	1,433				6,300					8,469
Subtotal Dept: 24700		736	1,433				6,300					8,469
Department: 24800 - Social Sciences												
05 - Academic Offices Building			474				3,928	95		7		4,504
06 - Annex Building							3,973	3,953		3		7,929
Subtotal Dept: 24800			474				7,901	4,048		10		12,433
Department: 26010 - Cognitive and Learning Science												
05 - Academic Offices Building							1,475	62		469	11	2,017
19 - Chemical Sciences & Engr Bldg							2,183	12		6		2,201
84 - Harold Meese Center							9,125	779		14	14	9,932
Subtotal Dept: 26010							12,783	853		489	25	14,150
Subtotal College: 24	486	1,479	14,709		64		176,935	28,237		774	8,498	231,212
College: 25 - DEAN TECHNOLOGY												

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Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 25 - DEAN TECHNOLOGY												
Department: 25002 - School of Technology												
07 - Electrical Energy Resources Ctr			1,642				16,365			37		18,044
12 - Minerals & Materials Engr Bldg	266		104				8,374			504		9,248
Subtotal Dept: 25002	266		1,746				24,739			541		27,292
Subtotal College: 25	266		1,746				24,739			541		27,292
College: 26 - KRC ADMIN												
Department: 28600 - Keweenaw Research Center												
102 - Advncd Power Sysms Rsch Ctr								17,486			1,941	19,407
69 - KRC Office Bldg			1,512				43	4,455			28	8,038
70 - KRC Scientific & Admin Offices			1,050				381	4,496		2	936	8,865
71 - KRC Machine & Vehicle Shops	400		200				200	3,000			200	4,000
72 - KRC Vehicle Service Bldg	831							4,430			277	5,538
73 - KRC Vehicle Storage Bldg	1,980							1,980				3,960
74 - KRC Engineering Laboratories	382						382	3,626				4,390
75 - KRC Special Projects Facility			157					630				787
76 - KRC Support Services Facility	402							447			45	894
77 - KRC Water Truck Storage	320							1,280				1,600
78 - KRC Engineering Support Facil.								3,804				3,804
79 - KRC Chrysler Support Fac II								3,680				3,680
80 - KRC Cold Storage Building	2,000							2,000				4,000
95 - ATDC			857				7,999				1,000	9,846
Subtotal Dept: 28600	6,315		3,776				8,995	61,394		2	4,427	74,809
Subtotal College: 26	6,315		3,776				8,995	61,394		2	4,427	74,809
College: 88 - ALL COLLEGES												

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Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Department: 00005 - Board of Control												
01 - Administration Building		501										501
Subtotal Dept: 00005		501										501
Department: 00500 - Internal Audit												
03 - Lakeshore Center		466										466
Subtotal Dept: 00500		466										466
Department: 10027 - President												
01 - Administration Building		1,420										1,420
09 - Alumni House		2,861										2,861
905 - Citizens Bank Bldg		3,479										3,479
Subtotal Dept: 10027		7,760										7,760
Department: 10075 - Office of Institutional Diversity												
905 - Citizens Bank Bldg		165								1		166
Subtotal Dept: 10075		165								1		166
Department: 20054 - Provost and VP for Acad Affair												
01 - Administration Building		1,310					12			24		1,348
17 - J. R. Van Pelt Library		136										136
Subtotal Dept: 20054		1,446					12			24		1,482
Department: 20055 - University Wide Commitments												
04 - ROTC Building							5,523					5,523

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Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
07 - Electrical Energy Resources Ct							10,908					10,908
08 - Dow Envir Sciences & Engr Bldg							4,808					4,808
11 - Walker Arts & Humanities Ctr							4,150					4,150
12 - Minerals & Materials Engr Bldg							4,624					4,624
14 - Grover C. Dillman Hall							3,542					3,542
15 - Fisher Hall							21,068					21,068
18 - U.J.Noblet Forestry Building							2,384					2,384
19 - Chemical Sciences & Engr Bldg							6,988					6,988
20 - R. L. Smith Building							8,037					8,037
28 - Kanwal and Ann Rekhi Hall							2,608					2,608
Subtotal Dept: 20055							74,640					74,640
Department: 20120 - Inst for Leadrshp & Innovation												
12 - Minerals & Materials Engr Bldg		836					2,342	188		18	29	3,413
Subtotal Dept: 20120		836					2,342	188		18	29	3,413
Department: 20900 - Center Teach/Learn/Faculty Dev												
17 - J. R. Van Pelt Library							1,107					1,107
Subtotal Dept: 20900							1,107					1,107
Department: 20950 - Intl Programs and Services												
01 - Administration Building							1,816					1,816
Subtotal Dept: 20950							1,816					1,816
Department: 24900 - Center for Experimental Comput												
16 - Fisher Hall							15					15
Subtotal Dept: 24900							15					15

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ASF by School/Department/Building/Cost Group Report

Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Department: 25010 - Educational Tech Svcs												
07 - Electrical Energy Resources Ct			58								39	97
Subtotal Dept: 25010			58								39	97
Department: 27000 - J Robert Van Pelt Library												
17 - J. R. Van Pelt Library			435			91,317		135		448		92,335
Subtotal Dept: 27000			435			91,317		135		448		92,335
Department: 28009 - Graduate School												
01 - Administration Building		3,908								21		3,929
Subtotal Dept: 28009		3,908								21		3,929
Department: 28510 - MTRI												
906 - MTRI	502		1,177				4		8,968			10,651
98 - Off Campus Sites									10			10
Subtotal Dept: 28510	502		1,177				4		8,978			10,661
Department: 28800 - Institutional Analysis												
03 - Lakeshore Center		696										696
Subtotal Dept: 28800		696										696
Department: 29100 - Admin Info Svcs												
01 - Administration Building		2,360									115	2,475
Subtotal Dept: 29100		2,360									115	2,475

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ASF by School/Department/Building/Cost Group Report

Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Department: 29110 - Info Tech Serv and Security												
01 - Administration Building		2,148										2,148
07 - Electrical Energy Resources Ct		5,648	2,590				4,042				908	13,188
08 - Dow Envir Sciences & Engr Bldg							225					225
12 - Minerals & Materials Engr Bldg		874					98					972
15 - Fisher Hall							65					65
18 - U.J.Noblet Forestry Building							88					88
20 - R. L. Smith Building			67				1,517				260	1,844
28 - Kanwal and Ann Rekhi Hall			1,632				30,268					31,900
Subtotal Dept: 29110		8,670	4,289				36,303				1,168	50,430
Department: 29120 - Telecommunications												
03 - Lakeshore Center		1,810									455	2,265
07 - Electrical Energy Resources Ct		1,909										1,909
26 - MITN Uplink Equipment Bldg		1										1
86 - MTU Tower Building											1	1
907 - Sharon Avenue Storage		3,068										3,068
Subtotal Dept: 29120		6,788									456	7,244
Department: 30090 - Student Life												
34 - Memorial Union Building											564	564
37 - Wadsworth Hall											630	630
51 - O'Connor House											123	123
Subtotal Dept: 30090											1,317	1,317
Department: 30100 - Youth Programs												
01 - Administration Building					383		354			114		851
Subtotal Dept: 30100					383		354			114		851

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Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Department: 31000 - Enrollment Services												
01 - Administration Building					1,629							1,629
Subtotal Dept: 31000					1,629							1,629
Department: 31110 - Admissions												
01 - Administration Building					2,877							2,877
Subtotal Dept: 31110					2,877							2,877
Department: 31400 - Registrars												
01 - Administration Building		1,486			2,925							4,411
Subtotal Dept: 31400		1,486			2,925							4,411
Department: 32000 - Office of Student Affairs												
01 - Administration Building					2,618							2,618
Subtotal Dept: 32000					2,618							2,618
Department: 33000 - Counseling and Wellness Service												
01 - Administration Building					2,221					46		2,267
Subtotal Dept: 33000					2,221					46		2,267
Department: 34004 - Financial Aid Administration												
01 - Administration Building					2,179							2,179
Subtotal Dept: 34004					2,179							2,179

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Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Department: 35000 - Career Services												
01 - Administration Building					4,608							4,608
Subtotal Dept: 35000					4,608							4,608
Department: 37000 - General Athletics												
101 - Nordic Ski Storage										846		846
24 - Student Development Complex						11,799		50		181,837		193,686
25 - Sherman Field Press Box										940		940
46 - Nordic Ski Waxing Center										4,536		4,536
50 - Gates Tennis Center						13,133				14,778		27,911
68 - SDC Storage Bldg										1,800		1,800
89 - MTU Skitrail Groomer Storage										1,200		1,200
96 - Portage Lake Vault										2,700		2,700
Subtotal Dept: 37000						24,932		50		209,437		233,419
Department: 38040 - Athletic/Rec Facility Operatio												
24 - Student Development Complex										2,819		2,819
Subtotal Dept: 38040										2,819		2,819
Department: 38100 - Housing and Residential Life												
31 - Douglass Houghton Hall										51,101		51,101
32 - Daniell Heights										2		2
37 - Wadsworth Hall										154,701		154,701
38 - West McNair Hall										30,040		30,040
38 - McNair Hall Food Services										9,566		9,566
40 - East McNair Hall										40,023		40,023
48 - Hillside Place										51,392		51,392
Subtotal Dept: 38100										338,815		338,815

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Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total	
College: 99 - ALL COLLEGES													
Department: 38130 - COMPASS													
37 - Wadsworth Hall												1,273	1,273
Subtotal Dept: 38130												1,273	1,273
Department: 38140 - Student Activities													
15 - Fisher Hall												288	288
34 - Memorial Union Building												4,208	4,208
51 - O'Connor House												1,978	1,978
Subtotal Dept: 38140												6,474	6,474
Department: 38160 - Center for Diversity-Inclusion													
13 - Hamar House												2,525	2,525
Subtotal Dept: 38160												2,525	2,525
Department: 38500 - Memorial Union													
03 - Lakeshore Center												1,580	1,580
08 - Dow Envir Sciences & Engr Bldg												89	89
15 - Fisher Hall												280	280
31 - Douglass Houghton Hall												212	212
34 - Memorial Union Building												39,777	39,777
37 - Wadsworth Hall												9,833	9,833
39 - McNair Hall Food Services												373	373
45 - Kettle-Gundlach House												5,620	5,620
Subtotal Dept: 38500												57,764	57,764
Department: 38600 - Merchandising Operations													
24 - Student Development Complex												6,001	6,001

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Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
34 - Memorial Union Building											8,771	8,771
Subtotal Dept: 38800											14,772	14,772
Department: 38700 - Daniell Heights Apartments												
32 - Daniell Heights											174,875	174,875
33 - Daniell Heights Housing Shop											1,081	1,081
35 - Daniel Heights Nursery											2,190	2,190
36 - Tech House											2,452	2,452
47 - Vivian House											3,135	3,135
56 - Daniell Heights storage build											1,152	1,152
57 - Hagen House											3,125	3,125
65 - Daniell Heights Storage Bldg											3,200	3,200
82 - Ruppe-Gundlach House											4,708	4,708
Subtotal Dept: 38700											186,018	186,018
Department: 38751 - Portage Lake Golf Course												
52 - Portage Lake Golf Course						25,000					78,048	103,048
58 - Golf Course Storage Building											3,276	3,276
58 - Golf Course Storage Building											625	625
60 - Golf Course - Cart Storage											4,500	4,500
61 - Golf Course - Cart Storage											3,600	3,600
62 - Golf Course Cart Storage											4,500	4,500
63 - Golf Course Maint Bldg											664	664
Subtotal Dept: 38751						25,000					95,213	120,213
Department: 38880 - Mont Ripley												
53 - Mont Ripley Ski Hill						1,150					3,460	4,600
54 - Mont Ripley Ski Chalet											3,544	3,544
55 - Mont Ripley Storage Building											3,240	3,240

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Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Subtotal Dept: 38890							1,150				10,234	11,384
Department: 38900 - Rozsa Ctr for Performing Arts												
10 - Rozsa Cntr for Performing Arts							458				35,515	35,973
24 - Student Development Complex											424	424
Subtotal Dept: 38900							458				35,939	36,397
Department: 39000 - Facilities Management												
01 - Administration Building												336
03 - Lakeshore Center												2,841
04 - ROTC Building												52
05 - Academic Offices Building												247
07 - Electrical Energy Resources Ct							1,174					1,174
08 - Dow Envir Sciences & Engr Bldg							4,643					4,643
11 - Walker Arts & Humanities Ctr							687					687
12 - Minerals & Materials Engr Bldg							1,172					1,172
14 - Grover C. Dillman Hall							162					162
15 - Fisher Hall							725					725
17 - J. R. Van Pelt Library							819					819
18 - U. J. Noblet Forestry Building							105					105
19 - Chemical Sciences & Engr Bldg							783					783
20 - R. L. Smith Building							905					905
31 - Douglass Houghton Hall											889	889
34 - Memorial Union Building							1,115					1,115
41 - Central Heating Plant							1,537					1,537
42 - Facilities Management Storage							3,802					3,802
43 - Lakeside Laboratory							5,389					5,389
44 - Facilities Mgt Building							16,377					16,377
81 - Power Generation Bldg							3,432					3,432
Subtotal Dept: 39000											889	47,182

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ASF by School/Department/Building/Cost Group Report

Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Department: 39800 - Public Safety												
16 - Widmaier House	1,976											1,976
Subtotal Dept: 39800	1,976											1,976
Department: 39900 - Occupational Safety & Health S												
01 - Administration Building	350											350
12 - Minerals & Materials Engr Bldg	453											453
88 - Chemical Storage Building	1,020											1,020
Subtotal Dept: 39900	1,823											1,823
Department: 40008 - Chief Financial Officer												
01 - Administration Building		469										469
03 - Lakeshore Center		1,434								174		1,608
30 - Little Huskies Child Care										4,096		4,096
905 - Citizens Bank Bldg		3,656										3,656
93 - Fish Hatchery Building										1,360		1,360
95 - ATDC										4,708		4,708
97 - Seaman Mineral Museum		10										10
98 - Off Campus Sites		10										10
99 - Miscellaneous Bldg Sites		10										10
Subtotal Dept: 40008		6,589								10,338		15,827
Department: 40500 - Vice Pres for Administration												
01 - Administration Building		73										73
03 - Lakeshore Center		5,735										5,735
Subtotal Dept: 40500		5,808										5,808

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ASF by School/Department/Building/Cost Group Report

Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total				
College: 99 - ALL COLLEGES																
Department: 41200 - AE Seaman Mineral Museum																
103 - New Mineral Museum										1	8,030	8,031				
104 - Mineral Museum Storage											1,500	1,500				
Subtotal Dept: 41200											1	9,530	9,531			
Department: 42001 - Vice Pres for Research																
03 - Lakeshore Center				4,712								4,712				
12 - Minerals & Materials Engr Bldg				8				3,370			274	3,652				
905 - Citizens Bank Bldg				33							132	165				
Subtotal Dept: 42001												3,370	406	8,529		
Department: 42002 - Innovation & Industry Engagem																
905 - Citizens Bank Bldg											626	626				
95 - ATDC				2,218			8			55	30	2,311				
Subtotal Dept: 42002												8	55	666	2,937	
Department: 42003 - Sponsored Programs Office																
03 - Lakeshore Center					104			1,485		26		1,615				
Subtotal Dept: 42003													104	1,485	26	1,615
Department: 42004 - Sponsored Programs Acctg																
03 - Lakeshore Center				1,101								1,101				
Subtotal Dept: 42004													1,101	1,101		
Department: 42006 - Mich Tech Transportation Inst																

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Building	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
14 - Grover C. Dillman Hall		133		28			1,015	387		3,434	121	5,118
Subtotal Dept: 42006		133		28			1,015	387		3,434	121	5,118
Department: 60017 - Office of Development												
905 - Citizens Bank Bldg											3,839	3,839
Subtotal Dept: 60017											3,839	3,839
Department: 65000 - University Mktg and Comm												
01 - Administration Building		127									7,173	7,300
09 - Alumni House											1,657	1,657
Subtotal Dept: 65000		127									8,830	8,957
Department: 70000 - Affirmative Programs												
01 - Administration Building		602										602
Subtotal Dept: 70000		602										602
Subtotal College: 99	50,584	47,435	5,959	9,585	19,440	91,317	116,087	4,156	8,978	4,162	931,027	1,288,730
Total:	57,789	49,233	49,846	9,585	19,440	91,317	605,558	224,299	8,978	8,914	1,001,826	2,126,785

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ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 21 - DEAN BUSINESS												
Building: 05 - Academic Offices Building												
21002 - School of Business			1,230				9,729					10,959
Subtotal Building: 05			1,230				9,729					10,959
Building: 15 - Fisher Hall												
21002 - School of Business							797					797
Subtotal Building: 15							797					797
Subtotal College: 21			1,230				10,526					11,756
College: 22 - DEAN ENGR												
Building: 07 - Electrical Energy Resources Ct												
22007 - College of Engineering		175	90									265
22500 - Electrical and Computer Engine			2,230				32,519	10,711				45,460
Subtotal Building: 07		175	2,320				32,519	10,711				45,725
Building: 08 - Dow Envir Sciences & Engr Bldg												
22007 - College of Engineering							209					209
22200 - Chemical Engineering							348	271				619
22400 - Civil & Environmental Engineer			2,183				18,864	5,036		108	186	27,377
22550 - Geological & Mining Eng & Scie			427				18,572	1,711		212	230	21,152
Subtotal Building: 08			2,610				38,983	7,018		320	416	48,357
Building: 102 - Advned Power Sysms Rsch Ctr												

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ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 22 - DEAN ENGR												
22600 - Mechanical Eng.							9,481	24,084				33,565
Subtotal Building: 102							9,481	24,084				33,565
Building: 12 - Minerals & Materials Engr Bldg												
22007 - College of Engineering		131	3,423				2,072	2,263		218	1,259	9,364
22200 - Chemical Engineering							2,994	2,337				5,331
22400 - Civil & Environmental Engineer							238	12,212			3,052	15,502
22550 - Geological & Mining Eng & Scie										730		730
22700 - Materials Science and Eng.		13	4,880				31,748	10,925		5	3,248	50,819
28900 - Biomedical Engineering			1,737				9,224	4,054				15,015
Subtotal Building: 12		144	10,040				46,276	31,791		951	7,559	96,761
Building: 14 - Grover C. Dillman Hall												
22007 - College of Engineering							420					420
22070 - Engineering Fundamentals			1,371				6,435					7,806
22400 - Civil & Environmental Engineer			866				18,360	5,757		1,378		27,461
22550 - Geological & Mining Eng & Scie							3,475					3,475
Subtotal Building: 14			2,337				28,690	5,757		1,378		38,162
Building: 19 - Chemical Sciences & Engr Bldg												
22200 - Chemical Engineering			907				27,114	8,811				34,832
Subtotal Building: 19			907				27,114	8,811				34,832
Building: 20 - R. L. Smith Building												
22007 - College of Engineering							369			270		639
22800 - Mechanical Eng.			1,328				56,955	12,998			242	71,523

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**MICHIGAN TECHNOLOGICAL UNIVERSITY
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ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 22 - DEAN ENGR												
Subtotal Building: 20			1,328				57,324	12,998		270	242	72,162
Building: 49 - Waste Mgmt Resrces Recvry Bldg												
22400 - Civil & Environmental Engineer							3,875					3,875
22550 - Geological & Mining Eng & Scie							769					769
Subtotal Building: 49							4,644					4,644
Building: 92 - Alternative Enrgy Rsch Bldg												
22600 - Mechanical Eng.							1,348	2,259				3,607
Subtotal Building: 92							1,348	2,259				3,607
Building: 94 - AMJOCH Observatory												
22500 - Electrical and Computer Engine							352					352
Subtotal Building: 94							352					352
Subtotal College: 22		318	18,642				247,741	101,229		2,918	8,217	379,967
College: 23 - DEAN FORESTRY												
Building: 18 - U.J.Noblet Forestry Building												
23004 - Schl Forest Res and Env Sci			2,884				19,282	27,030		516	362	50,074
Subtotal Building: 18			2,884				19,282	27,030		516	362	50,074
Building: 201 - FFC Hemlock Residence												

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ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 23 - DEAN FORESTRY												
23004 - Schl Forest Res and Env Sci											1,260	1,260
Subtotal Building: 201											1,260	1,260
Building: 202 - FFC Sassafras Residence												
23004 - Schl Forest Res and Env Sci											1,190	1,190
Subtotal Building: 202											1,190	1,190
Building: 203 - FFC Elm Residence												
23004 - Schl Forest Res and Env Sci											1,348	1,348
Subtotal Building: 203											1,348	1,348
Building: 204 - FFC Birdsey Residence												
23004 - Schl Forest Res and Env Sci											1,581	1,581
Subtotal Building: 204											1,581	1,581
Building: 205 - FFC Spruce Residence												
23004 - Schl Forest Res and Env Sci											1,462	1,462
Subtotal Building: 205											1,462	1,462
Building: 206 - FFC Tamarack Residence												
23004 - Schl Forest Res and Env Sci											1,779	1,779
Subtotal Building: 206											1,779	1,779

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ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 23 - DEAN FORESTRY												
Building: 207 - FFC Birch Residence												
23004 - Schl Forest Res and Env Sci											1,402	1,402
Subtotal Building: 207											1,402	1,402
Building: 208 - FFC Basswood Residence												
23004 - Schl Forest Res and Env Sci											1,515	1,515
Subtotal Building: 208											1,515	1,515
Building: 209 - FFC Cedar Residence												
23004 - Schl Forest Res and Env Sci											1,480	1,480
Subtotal Building: 209											1,480	1,480
Building: 210 - FFC Beech Residence												
23004 - Schl Forest Res and Env Sci											1,269	1,269
Subtotal Building: 210											1,269	1,269
Building: 211 - FFC Ash Residence												
23004 - Schl Forest Res and Env Sci											2,124	2,124
Subtotal Building: 211											2,124	2,124
Building: 212 - FFC Balsam Residence												
23004 - Schl Forest Res and Env Sci											874	874

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ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 23 - DEAN FORESTRY												
Subtotal Building: 212											874	874
Building: 213 - FFC Pump House												
23004 - Schl Forest Res and Env Sci											636	636
Subtotal Building: 213											636	636
Building: 214 - FFC Sawmill Museum												
23004 - Schl Forest Res and Env Sci											6,720	6,720
Subtotal Building: 214											6,720	6,720
Building: 215 - FFC 8-Car Garage												
23004 - Schl Forest Res and Env Sci											1,730	1,730
Subtotal Building: 215											1,730	1,730
Building: 216 - FFC Dorm II												
23004 - Schl Forest Res and Env Sci											5	5
Subtotal Building: 216											5	5
Building: 217 - FFC Classroom I												
23004 - Schl Forest Res and Env Sci							4					4
Subtotal Building: 217											4	4
Building: 218 - FFC Class 2												

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ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 23 - DEAN FORESTRY												
23004 - Schl Forest Res and Env Sci							1,150					1,150
Subtotal Building: 218							1,150					1,150
Building: 220 - FFC Recreation Bldg												
23004 - Schl Forest Res and Env Sci											2	2
Subtotal Building: 220											2	2
Building: 221 - FFC Computer Lab												
23004 - Schl Forest Res and Env Sci										1,150		1,150
Subtotal Building: 221										1,150		1,150
Building: 222 - FFC Classroom 3												
23004 - Schl Forest Res and Env Sci							4					4
Subtotal Building: 222							4					4
Building: 223 - FFC Dorm												
23004 - Schl Forest Res and Env Sci										11,250		11,250
Subtotal Building: 223										11,250		11,250
Building: 224 - FFC Carriage House												
23004 - Schl Forest Res and Env Sci										2,685		2,685
Subtotal Building: 224										2,685		2,685

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ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 23 - DEAN FORESTRY												
Building: 225 - FFC Storage Bldg III												
23004 - Schl Forest Res and Env Sci											255	255
Subtotal Building: 225											255	255
Building: 226 - FFC Storage Bldg II												
23004 - Schl Forest Res and Env Sci								1,740			580	2,320
Subtotal Building: 226								1,740			580	2,320
Building: 227 - FFC Storage Shed												
23004 - Schl Forest Res and Env Sci											260	260
Subtotal Building: 227											260	260
Building: 229 - FFC Lumber Storage												
23004 - Schl Forest Res and Env Sci											2,520	2,520
Subtotal Building: 229											2,520	2,520
Building: 230 - FFC 9- Stall Garage												
23004 - Schl Forest Res and Env Sci											4,180	4,180
Subtotal Building: 230											4,180	4,180
Building: 231 - FFC Maintenance Bldg												
23004 - Schl Forest Res and Env Sci											5	5

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ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 23 - DEAN FORESTRY												
Subtotal Building: 231											6	6
Building: 233 - FFC Main Office												
23004 - Schl Forest Res and Env Sci							1				13	14
Subtotal Building: 233							1				13	14
Building: 27 - Ford Forestry Center												
23004 - Schl Forest Res and Env Sci											10	10
Subtotal Building: 27											10	10
Building: 90 - Sands Pilot Plant												
23004 - Schl Forest Res and Env Sci	138							10,513				10,651
Subtotal Building: 90	138							10,513				10,651
Subtotal College: 23	138		2,884				20,441	39,283		516	49,657	112,919
College: 24 - DEAN ARTS/SCIENCE												
Building: 04 - ROTC Building												
24700 - Military Sci (Army ROTC)		736	1,433				6,300					8,469
Subtotal Building: 04		736	1,433				6,300					8,469
Building: 05 - Academic Offices Building												
24800 - Social Sciences			474				3,928	95		7		4,504

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Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 24 - DEAN ARTS/SCIENCE												
26010 - Cognitive and Learning Science							1,475	62		469	11	2,017
Subtotal Building: 05			474				5,403	167		476	11	6,521
Building: 06 - Annex Building												
24800 - Social Sciences							3,973	3,953		3		7,929
Subtotal Building: 06							3,873	3,863		3		7,829
Building: 08 - Dow Envir Sciences & Engr Bldg												
24100 - Biological Sciences			1,153				25,487	7,791		6	120	34,557
24500 - Kinesiology & Integrative Phys							274	274				548
24800 - Physics							142	1,159				1,301
Subtotal Building: 08			1,153				25,903	9,224		6	120	36,408
Building: 10 - Rozsa Cntr for Performing Arts												
24219 - Visual and Performing Arts											3,056	3,056
Subtotal Building: 10											3,056	3,056
Building: 11 - Walker Arts & Humanities Ctr												
24011 - College of Science & Arts			896					13			138	1,049
24200 - Humanities			4,023				11,714	187		199	132	16,256
24219 - Visual and Performing Arts			486				14,877				2,323	17,686
Subtotal Building: 11			5,407				26,591	200		199	2,593	34,890
Building: 13 - Hamar House												
24800 - Physics							300	300				600

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Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 24 - DEAN ARTS/SCIENCE												
<hr/>												
Subtotal Building: 13							300	300				600
Building: 15 - Fisher Hall												
24300 - Mathematical Sciences		743	1,434				11,084	121			131	13,513
24800 - Physics			851				17,899	5,657			399	24,408
Subtotal Building: 15		743	2,085				28,783	5,778			530	37,919
Building: 19 - Chemical Sciences & Engr Bldg												
22300 - Chemistry	488		1,634				36,693	5,379			1,849	45,841
26010 - Cognitive and Learning Science							2,183	12		6		2,201
Subtotal Building: 19	488		1,634				38,876	5,391		6	1,849	48,042
Building: 20 - R. L. Smith Building												
24100 - Biological Sciences							7,165					7,165
Subtotal Building: 20							7,165					7,165
Building: 21 - Volatile Liquid & Gases Bldg												
22300 - Chemistry							180					180
Subtotal Building: 21							180					180
Building: 24 - Student Development Complex												
24500 - Kinesiology & Integrative Phys			231				4,787	1,415		70	28	6,531
Subtotal Building: 24			231				4,787	1,415		70	28	6,531

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Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 24 - DEAN ARTS/SCIENCE												
Building: 28 - Kanwal and Ann Rekhi Hall												
24400 - Computer Sciences			2,292				17,809	791			497	21,189
24600 - Physics							514	249				763
Subtotal Building: 28			2,292				18,123	1,040			497	21,952
Building: 42 - Facilities Management Storage												
24100 - Biological Sciences							1,520					1,520
Subtotal Building: 42							1,520					1,520
Building: 84 - Harold Maese Center												
26010 - Cognitive and Learning Science							9,125	779		14	14	9,932
Subtotal Building: 84							9,125	779		14	14	9,932
Subtotal College: 24	486	1,479	14,709				177,029	28,237		774	8,498	231,212
College: 25 - DEAN TECHNOLOGY												
Building: 07 - Electrical Energy Resources Ct												
25002 - School of Technology			1,642				16,365			37		18,044
Subtotal Building: 07			1,642				16,365			37		18,044
Building: 12 - Minerals & Materials Engr Bldg												
25002 - School of Technology	266		104				8,374			504		9,248

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Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 26 - KRC ADMIN												
Subtotal Building: 12	266		104				8,374			504		9,248
Subtotal College: 25	266		1,746				24,739			541		27,292
26 - KRC ADMIN												
Building: 102 - Advncd Power Systems Rsch Ctr												
29800 - Keweenaw Research Center								17,466			1,941	19,407
Subtotal Building: 102								17,466			1,941	19,407
Building: 69 - KRC Engineering Design Center												
29600 - Keweenaw Research Center			1,512				43	4,455			28	6,038
Subtotal Building: 69			1,512				43	4,455			28	6,038
Building: 70 - KRC Scientific & Admin Offices												
29600 - Keweenaw Research Center			1,050				381	4,496		2	936	6,865
Subtotal Building: 70			1,050				381	4,496		2	936	6,865
Building: 71 - KRC Machine & Vehicle Shops												
29600 - Keweenaw Research Center	400		200				200	3,000			200	4,000
Subtotal Building: 71	400		200				200	3,000			200	4,000
Building: 72 - KRC Vehicle Service Bldg												
29600 - Keweenaw Research Center	831							4,430			277	5,538

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Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 26 - KRC ADMIN												
Subtotal Building: 72	831							4,430			277	5,538
Building: 73 - KRC Vehicle Storage Bldg												
28600 - Keweenaw Research Center	1,980							1,980				3,960
Subtotal Building: 73	1,980							1,980				3,960
Building: 74 - KRC Engineering Laboratories												
28800 - Keweenaw Research Center	382						382	3,626				4,390
Subtotal Building: 74	382						382	3,626				4,390
Building: 75 - KRC Special Projects Facility												
28600 - Keweenaw Research Center			157					630				787
Subtotal Building: 75			157					630				787
Building: 76 - KRC Support Services Facility												
28600 - Keweenaw Research Center	402							447			45	894
Subtotal Building: 76	402							447			45	894
Building: 77 - KRC Water Truck Storage												
28600 - Keweenaw Research Center	320							1,280				1,600
Subtotal Building: 77	320							1,280				1,600
Building: 78 - KRC Engineering Support Facil.												

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ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 26 - KRC ADMIN												
28600 - Keweenaw Research Center								3,904				3,904
Subtotal Building: 78								3,904				3,904
Building: 79 - KRC Chrysler Support Fac II												
28800 - Keweenaw Research Center								3,680				3,680
Subtotal Building: 79								3,680				3,680
Building: 80 - KRC Cold Storage Building												
28600 - Keweenaw Research Center	2,000							2,000				4,000
Subtotal Building: 80	2,000							2,000				4,000
Building: 95 - ATDC												
28600 - Keweenaw Research Center			857				7,989				1,000	9,846
Subtotal Building: 95			857				7,989				1,000	9,846
Subtotal College: 26	6,315		3,776				8,995	51,394		2	4,427	74,909
College: 98 - ALL COLLEGES												
Building: 01 - Administration Building												
00005 - Board of Control		501										501
10027 - President		1,420										1,420
20054 - Provost and VP for Acad Affair		1,310					12		24			1,346
20950 - Intl Programs and Services							1,916					1,916
28009 - Graduate School		3,908							21			3,929
29100 - Admin Info Svcs		2,360									115	2,475

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
29110 - Info Tech Serv and Security		2,148										2,148
30100 - Youth Programs					383		354			114		851
31000 - Enrollment Services					1,629							1,629
31110 - Admissions					2,877							2,877
31400 - Registrars		1,486			2,925							4,411
32000 - Office of Student Affairs					2,618							2,618
33000 - Counseling and Wellness Servic					2,221					48		2,267
34004 - Financial Aid Administration					2,179							2,179
35000 - Career Services					4,608							4,608
39000 - Facilities Management	336											336
39900 - Occupational Safety & Health S	350											350
40008 - Chief Financial Officer		469										469
40500 - Vice Pres for Administration		73										73
65000 - University Mktg and Comm		127									7,173	7,300
70000 - Affirmative Programs		602										602
Subtotal Building: 01	686	14,404			19,440		2,182			205	7,288	44,205
Building: 03 - Lakeshore Center												
00500 - Internal Audit		466										466
29800 - Institutional Analysis		698										698
29120 - Telecommunications		1,810									455	2,265
38500 - Memorial Union										1,580		1,580
39000 - Facilities Management	2,841											2,841
40008 - Chief Financial Officer		1,434									174	1,608
40500 - Vice Pres for Administration		5,735										5,735
42001 - Vice Pres for Research				4,712								4,712
42003 - Sponsored Programs Office		104		1,485				26				1,615
42004 - Sponsored Programs Acctg				1,101								1,101
Subtotal Building: 03	2,841	10,245		7,298				26			2,209	22,619
Building: 04 - ROTC Building												
20055 - University Wide Commitments							5,523					5,523

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
39000 - Facilities Management	52											52
Subtotal Building: 04	52						5,523					5,575
Building: 05 - Academic Offices Building												
39000 - Facilities Management	247											247
Subtotal Building: 05	247											247
Building: 07 - Electrical Energy Resources Ct												
20055 - University Wide Commitments							10,908					10,908
25010 - Educational Tech Svcs			58							38		97
29110 - Info Tech Serv and Security		5,848	2,590				4,042				908	13,188
29120 - Telecommunications		1,909										1,909
39000 - Facilities Management	1,174											1,174
Subtotal Building: 07	1,174	7,557	2,648				14,950				947	27,276
Building: 08 - Dow Envir Sciences & Engr Bldg												
20055 - University Wide Commitments							4,808					4,808
29110 - Info Tech Serv and Security							225					225
38500 - Memorial Union											89	89
39000 - Facilities Management	4,643											4,643
Subtotal Building: 08	4,643						5,033				89	9,765
Building: 09 - Alumni House												
10027 - President		2,861										2,861
85000 - University Mktg and Comm											1,657	1,657
Subtotal Building: 09		2,861									1,657	4,518

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Building: 10 - Rozsa Cntr for Performing Arts												
38900 - Rozsa Ctr for Performing Arts							458				35,515	35,973
Subtotal Building: 10							458				35,515	35,973
Building: 101 - Nordic Ski Storage												
37000 - General Athletics											648	648
Subtotal Building: 101											648	648
Building: 103 - New Mineral Museum												
41200 - AE Seaman Mineral Museum										1	8,030	8,031
Subtotal Building: 103										1	8,030	8,031
Building: 104 - Mineral Museum Storage												
41200 - AE Seaman Mineral Museum											1,500	1,500
Subtotal Building: 104											1,500	1,500
Building: 11 - Walker Arts & Humanities Ctr												
20055 - University Wide Commitments							4,150					4,150
39000 - Facilities Management	687											687
Subtotal Building: 11	687						4,160					4,837
Building: 12 - Minerals & Materials Engr Bldg												
20055 - University Wide Commitments							4,624					4,624
20120 - Inst for Leadrshp & Innovation		836					2,342	188		18	28	3,413

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MICHIGAN TECHNOLOGICAL UNIVERSITY
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ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
29110 - Info Tech Serv and Security		874					98					972
39000 - Facilities Management	1,172											1,172
39900 - Occupational Safety & Health S	453											453
42001 - Vice Pres for Research				8				3,370			274	3,652
Subtotal Building: 12	1,625	1,710		8			7,064	3,558		18	303	14,286
Building: 13 - Hamar House												
38160 - Center for Diversity-Inclusion											2,525	2,525
Subtotal Building: 13											2,525	2,525
Building: 14 - Grover C. Dillman Hall												
20055 - University Wide Commitments							3,542					3,542
39000 - Facilities Management	162											162
42006 - Mich Tech Transportation Inst		133		28			1,015	387		3,434	121	5,118
Subtotal Building: 14	162	133		28			4,557	387		3,434	121	8,822
Building: 15 - Fisher Hall												
20055 - University Wide Commitments							21,068					21,068
24900 - Center for Experimental Comput							15					15
29110 - Info Tech Serv and Security							65					65
38140 - Student Activities											288	288
38500 - Memorial Union											280	280
39000 - Facilities Management	725											725
Subtotal Building: 15	725						21,148				568	22,441
Building: 18 - Widmaier House												
39800 - Public Safety	1,976											1,976

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Subtotal Building: 16	1,976											1,976
Building: 17 - J. R. Van Pelt Library												
20054 - Provost and VP for Acad Affair		136										136
20900 - Center Teach/Learn/Faculty Dev							1,107					1,107
27000 - J Robert Van Pelt Library			435			91,317		135		448		92,336
39000 - Facilities Management	819											819
Subtotal Building: 17	819	136	435			91,317	1,107	135		448		94,397
Building: 18 - U.J.Noble Forestry Building												
20055 - University Wide Commitments							2,384					2,384
29110 - Info Tech Serv and Security							88					88
39000 - Facilities Management	105											105
Subtotal Building: 18	105						2,472					2,577
Building: 19 - Chemical Sciences & Engr Bldg												
20055 - University Wide Commitments							6,988					6,988
39000 - Facilities Management	783											783
Subtotal Building: 19	783						6,988					7,771
Building: 20 - R. L. Smith Building												
20055 - University Wide Commitments							8,037					8,037
29110 - Info Tech Serv and Security			67				1,517			260		1,844
39000 - Facilities Management	905											905
Subtotal Building: 20	905		67				9,554			260		10,786

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Building: 24 - Student Development Complex												
37000 - General Athletics							11,799	50			181,837	193,686
38040 - Athletic/Rec Facility Operatio											2,819	2,819
38600 - Merchandising Operations											6,001	6,001
38900 - Rozsa Ctr for Performing Arts											424	424
Subtotal Building: 24							11,799	50			191,081	202,930
Building: 25 - Sherman Field Press Box												
37000 - General Athletics											940	940
Subtotal Building: 25											940	940
Building: 26 - MITN Uplink Equipment Bldg												
29120 - Telecommunications												1
Subtotal Building: 26												1
Building: 28 - Kanwal and Ann Rekhi Hall												
20055 - University Wide Commitments												2,608
29110 - Info Tech Serv and Security											1,632	3,831
Subtotal Building: 28												4,807
Building: 30 - Little Huskies Child Care												
40008 - Chief Financial Officer												4,096
Subtotal Building: 30												4,096

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Building: 31 - Douglass Houghton Hall												
38100 - Housing and Residential Life											51,101	51,101
38500 - Memorial Union											212	212
39000 - Facilities Management											899	899
Subtotal Building: 31											52,212	52,212
Building: 32 - Daniell Heights												
38100 - Housing and Residential Life											2	2
38700 - Daniell Heights Apartments											174,975	174,975
Subtotal Building: 32											174,977	174,977
Building: 33 - Daniell Heights Housing Shop												
38700 - Daniell Heights Apartments											1,081	1,081
Subtotal Building: 33											1,081	1,081
Building: 34 - Memorial Union Building												
30080 - Student Life											564	564
38140 - Student Activities											4,208	4,208
38500 - Memorial Union											39,777	39,777
38600 - Merchandising Operations											8,771	8,771
39000 - Facilities Management	1,115											1,115
Subtotal Building: 34											53,320	54,436
Building: 35 - Daniel Heights Nursery												
38700 - Daniell Heights Apartments											2,190	2,190

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Subtotal Building: 35											2,190	2,190
Building: 35 - Tech House												
39700 - Daniell Heights Apartments											2,452	2,452
Subtotal Building: 36											2,452	2,452
Building: 37 - Wadsworth Hall												
30090 - Student Life											630	630
38100 - Housing and Residential Life											154,701	154,701
38130 - COMPASS											1,273	1,273
38500 - Memorial Union											9,833	9,833
Subtotal Building: 37											166,437	166,437
Building: 38 - West McNair Hall												
38100 - Housing and Residential Life											30,040	30,040
Subtotal Building: 38											30,040	30,040
Building: 39 - McNair Hall Food Services												
38100 - Housing and Residential Life											9,556	9,556
38500 - Memorial Union											373	373
Subtotal Building: 39											9,929	9,929
Building: 40 - East McNair Hall												
38100 - Housing and Residential Life											40,023	40,023

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Subtotal Building: 40											40,023	40,023
Building: 41 - Central Heating Plant												
39000 - Facilities Management	1,537											1,537
Subtotal Building: 41											1,537	1,537
Building: 42 - Facilities Management Storage												
39000 - Facilities Management	3,802											3,802
Subtotal Building: 42											3,802	3,802
Building: 43 - Lakeside Laboratory												
39000 - Facilities Management	5,369											5,369
Subtotal Building: 43											5,369	5,369
Building: 44 - Facilities Mgt Building												
39000 - Facilities Management	16,377											16,377
Subtotal Building: 44											16,377	16,377
Building: 45 - Kettle-Gundlach House												
38500 - Memorial Union										5,620		5,620
Subtotal Building: 45											5,620	5,620
Building: 46 - Nordic Ski Waxing Center												

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
37000 - General Athletics											4,536	4,536
Subtotal Building: 46											4,536	4,536
Building: 47 - Vivian House												
38700 - Daniell Heights Apartments											3,135	3,135
Subtotal Building: 47											3,135	3,135
Building: 48 - Hillside Place												
38100 - Housing and Residential Life											51,392	51,392
Subtotal Building: 48											51,392	51,392
Building: 50 - Gates Tennis Center												
37000 - General Athletics							13,133				14,778	27,911
Subtotal Building: 50							13,133				14,778	27,911
Building: 51 - O'Connor House												
30090 - Student Life											123	123
38140 - Student Activities											1,978	1,978
Subtotal Building: 51											2,101	2,101
Building: 52 - Portage Lake Golf Course												
38751 - Portage Lake Golf Course											3,049	3,049
Subtotal Building: 52											3,049	3,049

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Building: 53 - Mont Ripley Ski Hill												
38890 - Mont Ripley							1,150				3,450	4,600
Subtotal Building: 53							1,150				3,450	4,600
Building: 54 - Mont Ripley Ski Chalet												
38890 - Mont Ripley											3,544	3,544
Subtotal Building: 54											3,544	3,544
Building: 55 - Mont Ripley Storage Building												
38890 - Mont Ripley											3,240	3,240
Subtotal Building: 55											3,240	3,240
Building: 56 - Daniell Heights storage buildf												
38700 - Daniell Heights Apartments											1,152	1,152
Subtotal Building: 56											1,152	1,152
Building: 57 - Hagen House												
38700 - Daniell Heights Apartments											3,125	3,125
Subtotal Building: 57											3,125	3,125
Building: 58 - Golf Course Storage Building												
38751 - Portage Lake Golf Course											3,276	3,276

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Subtotal Building: 58											3,276	3,276
Building: 58 - Golf Course Storage Building												
38751 - Portage Lake Golf Course											625	625
Subtotal Building: 59											625	625
Building: 60 - Golf Course - Cart Storage												
38751 - Portage Lake Golf Course											4,500	4,500
Subtotal Building: 60											4,500	4,500
Building: 61 - Golf Course - Cart Storage												
38751 - Portage Lake Golf Course											3,600	3,600
Subtotal Building: 61											3,600	3,600
Building: 62 - Golf Course Cart Storage												
38751 - Portage Lake Golf Course											4,500	4,500
Subtotal Building: 62											4,500	4,500
Building: 63 - Golf Course Maint Bldg												
38751 - Portage Lake Golf Course											664	664
Subtotal Building: 63											664	664
Building: 65 - Daniell Heights Storage Bldg												

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
38700 - Daniell Heights Apartments											3,200	3,200
Subtotal Building: 85											3,200	3,200
Building: 88 - SDC Storage Bldg												
37000 - General Athletics											1,800	1,800
Subtotal Building: 88											1,800	1,800
Building: 81 - Power Generation Bldg												
39000 - Facilities Management	3,432											3,432
Subtotal Building: 81	3,432											3,432
Building: 82 - Ruppe-Gundlach House												
38700 - Daniell Heights Apartments											4,708	4,708
Subtotal Building: 82											4,708	4,708
Building: 86 - MTU Tower Building												
29120 - Telecommunications											1	1
Subtotal Building: 86											1	1
Building: 88 - Chemical Storage Building												
39900 - Occupational Safety & Health S	1,020											1,020
Subtotal Building: 88	1,020											1,020

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Building: 89 - MTU Skitrail Groomer Storage												
37000 - General Athletics											1,200	1,200
Subtotal Building: 89											1,200	1,200
Building: 905 - Citizens Bank Bldg												
10027 - President		3,479										3,479
10075 - Office of Institutional Diversity		165								1		166
40008 - Chief Financial Officer		3,656										3,656
42001 - Vice Pres for Research				33							132	165
42002 - Innovation & Industry Engageme											626	626
60017 - Office of Development											3,839	3,839
Subtotal Building: 905		7,300		33						1	4,597	11,931
Building: 906 - MTRI												
28510 - MTRI	502		1,177				4		8,978			10,661
Subtotal Building: 906	502		1,177				4		8,978			10,661
Building 996807 - Sharon Avenue Storage												
29120 - Telecommunications		3,068										3,068
Subtotal Building: 807		3,068										3,068
Building: 93 - Fish Hatchery Building												
40008 - Chief Financial Officer											1,360	1,360
Subtotal Building: 93											1,360	1,360

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MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2011

ASF by School/Building/Department/Cost Group Report

Department	O&M	G&A	DA	SPA	SSA	LIBR	IDR	OR	MTRI	OSA	OIA	Total
College: 99 - ALL COLLEGES												
Building: 95 - ATDC												
40008 - Chief Financial Officer											4,708	4,708
42002 - Innovation & Industry Engageme				2,218			8			55	30	2,311
Subtotal Building: 95				2,218			8			55	4,738	7,019
Building: 96 - Portage Lake Vault												
37000 - General Athletics											2,700	2,700
Subtotal Building: 96											2,700	2,700
Building: 97 - Seaman Mineral Museum												
40008 - Chief Financial Officer											10	10
Subtotal Building: 97											10	10
Building: 98 - Off Campus Sites												
40008 - Chief Financial Officer											10	10
Subtotal Building: 98											10	10
Building: 99 - Miscellaneous Bldg Sites												
40008 - Chief Financial Officer											10	10
Subtotal College: 99	50,584	47,435	5,958	9,585	19,440	91,317	116,087	4,156	8,978	4,162	831,027	1,288,730
Total:	57,789	49,233	49,846	9,585	19,440	91,317	605,558	224,299	8,978	8,914	1,001,826	2,126,785

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Section O Base Year Modifications and Modified Rates



Base Year Modifications and Modified Rates

This section includes narratives and supporting schedules for Michigan Tech Research Institute (MTRI) and the Great Lakes Research Center (GLRC). The schedules listed below support the Base Year Modifications and Modified Rates component in the proposal:

- O1 ARRA Modification Detail (Excludes GLRC modification)**
- O2 ARRA Impact Summary Schedule**
- O3 2016 Modified Rates (ARRA only)**
- O4 Great Lakes Research Center (GRLC) Incremental Revenue**
- O5 GLRC Fact Sheet (Space and Expenses).**
- O6 GLRC Summary Schedule**
- O7 2016 Modified Rates (GLRC only)**
- O8 Combined Modification Summary Schedule**
- O9 2016 Combined Modified Rates (Includes base year, ARRA modification, and GLRC modification)**
- O10 Blended Organized Research Modified Rates**
- O11 Blended MTRI Organized Research Modified Rates**
- O12 Combined Modification Rate Schedules FY 2013**
- O13 Combined Modification Rate Schedules FY 2014**
- O14 Combined Modification Rate Schedules FY 2015**
- O15 Combined Modification Rate Schedules FY 2016**

O1 – ARRA Modification Detail (Next 3 pages)

The University has approved rates through June 30, 2012. The University should modify the Instruction, Organized Research, and OSA bases by the amount of the FY2011 MTDC expenditures of the ARRA projects that ended in FY2011, as well as those that will end in 2012. Likewise, the same principles would apply to MTRI activity. The MTDC of ARRA projects that extend beyond June 30, 2011 are identified below and excluded from the respective bases in the year that the project closed. Below are completed ARRA contracts for the University. MTRI had no completed ARRA projects during the FY11 base year.

Account a/k/a Index	Description	Department	Start-Date	End-Date	Cost Group	MTDC	On or Off campus
ARRA Contracts that Ended During the Base Year FY11							
E41803	NIH-BRC-Fish Oil/Neurovasc Ctl	Kinesiology	07/01/09	01/31/11	Org Res	\$ (609)	On
E41535	USENE-EPSSI-ARRA_High Energy	Physics	05/01/10	04/14/11	Org Res	-	On
E42320	NSF-BRC-Adaptive Kernel-Free	Mathematics	08/01/09	10/31/10	Org Res	1,395	On
MTU Organized Research base total MTDC					Org Res	\$ 786	
MTRI Organized Research base total MTDC					Org Res	\$ -	

In addition to the above completed ARRA contracts, there are ARRA contracts that are still active, but will end during the new proposal period. The University has computed the incremental effect on the rates based on the MTDC of the ARRA contracts. The end dates of these active contracts vary from FY2013 through FY2015. These contracts are listed below.

ARRA Modification							
Account a/k/a Index	Description	Department	Start-Date	End-Date	Cost Group	MTDC	On or Off campus
ARRA Contracts that Will End During FY12							
<u>MTU</u>							
E45121	Available upon request	Chem Engrg	06/01/10	12/31/11	Org Res	\$ 13,975	On
E42307	Available upon request	Civil & Env Engrg	05/15/09	05/31/12	Org Res	22,838	On
E42326	Available upon request	Civil & Env Engrg	09/01/09	02/28/12	Org Res	12,051	On
E40050	Available upon request	Elec/Comp Engrg	08/09/10	04/08/12	Org Res	18,891	On
E42311	Available upon request	Matls Sci & Engrg	07/01/09	06/30/12	Org Res	34,645	On
E42310	Available upon request	Physics	07/01/09	06/30/12	Org Res	51,745	On
On-campus subtotal						154,145	
E42309	Available upon request	Civil & Env Engrg	07/01/09	06/30/12	Org Res	53,416	Off
E42302	Available upon request	Civil & Env Engrg	07/01/09	06/30/12	Org Res	5,933	Off
E45783	Available upon request	Forestry	02/16/11	11/30/11	Org Res	4,533	Off
E45784	Available upon request	Forestry	02/16/11	11/30/11	Org Res	7,497	Off
E45756	Available upon request	Forestry	09/15/10	09/01/11	Org Res	9,777	Off
E40527	Available upon request	Forestry	12/01/09	11/30/11	Org Res	331,404	Off
MTU Organized Research base total MTDC					Org Res	\$ 566,705	
<u>MTRI</u>							
E48606	Available upon request	MTRI	10/01/09	02/29/12	Org Res	50,360	On
MTRI Organized Research base total MTDC					Org Res	\$ 50,360	

ARRA Modification							
Account a/k/a Index	Description	Department	Start-Date	End-Date	Cost Group	MTDC	On or Off campus
ARRA Contracts that Will End During FY13							
<u>MTU</u>							
E41505	Available upon request	Dean Engrg	11/01/09	10/31/12	Instruction	\$ 187,390	On
E41506	Available upon request	Dean Engrg	11/01/09	10/31/12	Instruction	43,814	On
E41507	Available upon request	Dean Engrg	11/01/09	10/31/12	Instruction	-	On
E51505	Available upon request	Dean Engrg	11/01/09	10/31/12	Instruction	11,446	On
E41524	Available upon request	Dean Engrg	11/01/09	10/31/12	Instruction	378	On
E41526	Available upon request	Chem Engrg	11/01/09	10/31/12	Instruction	19,889	On
E41532	Available upon request	Elec/Comp Engrg	11/01/09	10/31/12	Instruction	13,766	On
E41530	Available upon request	Elec/Comp Engrg	11/01/09	10/31/12	Instruction	36,138	On
E41525	Available upon request	Matls Sci & Engrg	11/01/09	10/31/12	Instruction	40,133	On
E41521	Available upon request	ME-EM	11/01/09	10/31/12	Instruction	15,194	On
E41518	Available upon request	ME-EM	11/01/09	10/31/12	Instruction	35,410	On
E41517	Available upon request	ME-EM	11/01/09	10/31/12	Instruction	47,507	On
E41520	Available upon request	ME-EM	11/01/09	10/31/12	Instruction	14,711	On
E41516	Available upon request	ME-EM	11/01/09	10/31/12	Instruction	25,499	On
E41531	Available upon request	ME-EM	11/01/09	10/31/12	Instruction	752	On
E41543	Available upon request	ME-EM	11/01/09	10/31/12	Instruction	635	On
E41508	Available upon request	KRC	11/01/09	10/31/12	Instruction	30,278	On
E41510	Available upon request	KRC	11/01/09	10/31/12	Instruction	1,628	On
						524,568	
E42329	Available upon request	Chem Engrg	09/01/09	08/31/12	Org Res	1,662	On
E42330	Available upon request	Chem Engrg	09/01/09	08/31/12	Org Res	-	On
E47776	Available upon request	Chem Engrg	05/01/10	07/31/13	Org Res	50,454	On
E42314	Available upon request	ME-EM	09/01/09	08/31/12	Org Res	29,552	On
E47781	Available upon request	Comp Science	09/01/09	08/31/12	Org Res	4,284	On
E42327	Available upon request	Civil & Env Engrg	09/01/09	08/31/12	Org Res	4,518	On
E41806	Available upon request	Geology	09/30/09	07/31/12	Org Res	7,938	On
E41823	Available upon request	Geology	09/30/09	07/31/12	Org Res	12,349	On
E42323	Available upon request	Matls Sci & Engrg	08/15/09	07/31/12	Org Res	48,185	On
E41807	Available upon request	ME-EM	09/30/09	09/29/12	Org Res	35,996	On
E41537	Available upon request	ME-EM	11/01/09	10/31/12	Org Res	-	On
E41538	Available upon request	ME-EM	11/01/09	10/31/12	Org Res	-	On
E40532	Available upon request	KRC	05/24/10	12/31/12	Org Res	19,110	On
E50532	Available upon request	KRC	05/24/10	12/31/12	Org Res	(1,935)	On
On-campus subtotal						212,113	
E42104	Available upon request	Social Sciences	04/06/10	04/15/13	Org Res	85,845	Off
MTU Organized Research base total MTDC						297,958	

ARRA Modification

Account a/k/a Index	Description	Department	Start-Date	End-Date	Cost Group	MTDC	On or Off campus
ARRA Contracts that Will End During FY13 (continued)							
<u>MTRI</u>							
E41805	Available upon request	MTRI	09/30/09	07/31/12	Org Res	46,191	On
E41822	Available upon request	MTRI	09/30/09	07/31/12	Org Res	97,596	On
On-campus subtotal						143,787	
E42109	Available upon request	MTRI	04/06/10	04/15/13	Org Res	1,367	Off
MTRI Organized Research base total MTDC					Org Res	<u>145,154</u>	

ARRA Contracts that Will End During FY14

<u>MTU</u>							
E40533	Available upon request	KRC	05/24/10	12/31/13	Org Res	85,337	On
MTU Organized Research base total MTDC					Org Res	<u>85,337</u>	
E42313	Available upon request	Cogn Learn Sci	06/01/09	05/31/14	OSA	2,657	On
E42348	Available upon request	Cogn Learn Sci	06/01/09	05/31/14	OSA	14,781	On
MTU OSA base total MTDC					OSA	<u>17,438</u>	
<u>MTRI</u>							
MTRI Organized Research base total MTDC					Org Res	<u>-</u>	

ARRA Contracts that Will End During FY15

<u>MTU</u>							
E42316		Forestry	08/01/09	07/31/14	Org Res	103,560	Off
MTU Organized Research base total MTDC						<u>103,560</u>	
E42340	Available upon request	Civil & Env Engrg	10/01/09	08/31/14	OSA	90,994	On
E42341	Available upon request	Civil & Env Engrg	10/01/09	08/31/14	OSA	17,075	On
E42360	Available upon request	Biology	10/01/09	08/31/14	OSA	-	On
E42361	Available upon request	Biology	10/01/09	08/31/14	OSA	-	On
E42434	Available upon request	Social Sciences	10/01/09	08/31/14	OSA	-	On
E42435	Available upon request	Forestry	10/01/09	08/31/14	OSA	-	On
E42359	Available upon request	Forestry	10/01/09	08/31/14	OSA	-	On
MTU OSA base total MTDC						<u>108,069</u>	
<u>MTRI</u>							
MTRI Organized Research base total MTDC					Org Res	<u>-</u>	

O2 – ARRA Impact Summary Schedule

It is our understanding, based on OMB Memorandum M-11-34 (Accelerating Spending of Remaining Funds from the American Recovery and Reinvestment Act for Discretionary Grant Programs, dated Sept. 15, 2011) that the ARRA projects now need to be completed by September 30, 2013. We received a notice from the National Science Foundation on Dec. 13, 2011 confirming the implementation of this memorandum as it applies to NSF-funded projects.

An impact summary schedule for our rates based on the ARRA account decrements to our on-campus bases is provided below. The ARRA change in the base (denominator) affects the DA/DCE computation, which then changes the MTDC decrements for the Instructional Rate Base. That is why the Instructional Rate Base changed by \$456,167 instead of \$524,568. Projected rate schedules for each year of the proposal period as outlined on pages B1, B2, B3, and B4 are available upon request.

ARRA						
Modification to Base Year 2011 for FY 2013 - 2016						
	Approved 2012	Base Year 2011	Projected			
			2013	2014	2015	2016
Instruction						
Capped						
On-Campus	57.00%	52.00%	52.00%	52.25%	52.25%	52.25%
Off-campus	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
Uncapped						
On-Campus	57.00%	52.00%	52.00%	52.25%	52.25%	52.25%
Off-campus	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
MTDC decrements	-	-	23,124	(479,291)	-	-
Adjusted MTDC Base (On)	-	69,310,497	69,333,621	68,854,330	68,854,330	68,854,330
Organized Research						
Capped						
On-Campus	56.00%	51.25%	51.50%	52.00%	52.00%	52.00%
Off-campus	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
Uncapped						
On-Campus	69.00%	67.50%	68.25%	70.00%	70.00%	70.00%
Off-campus	40.00%	42.25%	43.00%	44.00%	44.00%	44.00%
MTDC decrements	-	-	(154,867)	(297,261)	-	-
Adjusted MTDC Base (On)	16,669,963	16,817,795	16,662,928	16,365,667	16,365,667	16,365,667
MTRI - Organized Research						
Capped						
On-Campus	47.50%	50.00%	50.25%	51.25%	51.25%	51.25%
Off-campus	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
Uncapped						
On-Campus	86.50%	81.50%	82.50%	85.50%	85.50%	85.50%
Off-campus	65.00%	57.50%	58.25%	60.25%	60.25%	60.25%
MTDC decrements	-	-	(50,360)	(143,787)	-	-
Adjusted MTDC Base (On)	-	3,722,041	3,671,681	3,527,894	3,527,894	3,527,894
Other Sponsored Activity						
Capped						
On-Campus	30.00%	31.00%	31.00%	31.00%	31.00%	31.00%
Off-campus	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
Uncapped						
On-Campus	30.00%	31.00%	31.00%	31.00%	31.00%	31.00%
Off-campus	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
MTDC decrements	-	-	9	(125,450)	-	-
Adjusted MTDC Base (On)	-	3,930,429	3,930,438	3,804,988	3,804,988	3,804,988

O3 – 2016 Modified Rates (ARRA only – Next 2 Pages)

Base Year (2011):	Without ARRA Modification			Base Year with ARRA Modification		
	Base	Allocated Amount	Rate	Base	Allocated Amount	Rate
<u>Instruction Rate</u>						
Administrative:						
General Admin	\$ 69,310,497	\$ 9,387,704	13.54%	\$ 68,854,330	\$ 9,448,515	13.72%
Dept Admin	69,310,497	10,138,003	14.63%	68,854,330	10,157,724	14.75%
Spon Proj Admin	69,310,497	75,797	0.11%	68,854,330	-	0.00%
Student Serv Admin	69,310,497	7,696,846	11.10%	68,854,330	7,708,504	11.20%
Uncapped	69,310,497	27,298,350	39.39%	68,854,330	27,314,743	39.67%
Capped			26.00%			26.00%
Facilities:						
Buildings	\$ 69,310,497	2,677,114	3.86%	\$ 68,854,330	2677157	3.89%
Equipment	69,310,497	787,373	1.14%	68,854,330	787,373	1.14%
Interest	69,310,497	1,844,348	2.66%	68,854,330	1,844,348	2.68%
O&M	69,310,497	6,710,944	9.68%	68,854,330	6,710,945	9.75%
Library	69,310,497	6,025,784	8.69%	68,854,330	6,033,297	8.76%
Additional request	69,310,497	-	0.00%	68,854,330	20,656	0.03%
Voluntary reduction	69,310,497	(27,724)	-0.04%	68,854,330	-	0.00%
Subtotal	69,310,497	\$ 18,017,839	26.00%	68,854,330	\$ 18,073,776	26.25%
On-Campus Capped Rate			52.00%			52.25%
On-Campus Uncapped Rate			52.00%			52.25%
<u>Organized Research Rate</u>						
Administrative:						
General Admin	\$ 20,161,124	\$ 2,730,707	13.54%	\$ 19,107,031	\$ 2,621,957	13.72%
Dept Admin	20,161,124	2,938,411	14.57%	19,107,031	2,865,302	15.00%
Spon Proj Admin	20,161,124	2,857,784	14.17%	19,107,031	2,902,792	15.19%
Uncapped	20,161,124	8,526,902	42.29%	19,107,031	8,390,051	43.91%
Capped	20,161,124		26.00%	19,107,031		26.00%
Facilities:						
Buildings	16,817,795	777,946	4.63%	16,365,667	777,946	4.75%
Equipment	16,817,795	512,359	3.05%	16,365,667	512,359	3.13%
Interest	16,817,795	519,227	3.09%	16,365,667	519,227	3.17%
O&M	16,817,795	2,150,485	12.79%	16,365,667	2,150,485	13.14%
Library	16,817,795	278,747	1.66%	16,365,667	278,893	1.70%
Additional request	16,817,795	8,335	0.05%	16,365,667	16,366	0.10%
Voluntary reduction	16,817,795	-	0.00%	16,365,667	-	0.00%
Subtotal	16,817,795	\$ 4,247,099	25.25%	16,365,667	\$ 4,255,276	26.00%
On-Campus Capped Rate			51.25%			52.00%
On-Campus Uncapped Rate			67.50%			70.00%

Base Year (2011):	Without ARRA Modification			Base Year with ARRA Modification		
	Base	Allocated Amount	Rate	Base	Allocated Amount	Rate
MTRI "OR" Rate						
Administrative:						
General Admin	\$ 3,760,667	\$ 509,360	13.54%	\$ 3,565,153	\$ 489,227	13.72%
Dept Admin	3,760,667	1,105,491	29.40%	3,565,153	1,107,056	31.05%
Spon Proj Admin	3,760,667	543,394	14.45%	3,565,153	552,722	15.50%
Uncapped	3,760,667	2,158,245	57.39%	3,565,153	2,149,005	60.28%
Capped			26.00%			26.00%
Facilities:						
Equipment	\$ 3,722,041	68,707	1.85%	3,527,894	68,707	1.95%
O&M	3,722,041	757,146	20.34%	3,527,894	757,146	21.46%
Library	3,722,041	63,056	1.69%	3,527,894	63,088	1.79%
Additional request	3,722,041	4,466	0.12%	3,527,894	1,764	0.05%
Subtotal	3,722,041	\$ 893,375	24.00%	3,527,894	\$ 890,705	25.25%
On-Campus Capped Rate			50.00%			51.25%
On-Campus Uncapped Rate			81.50%			85.50%
Other Sponsored Activity Rate						
Administrative:						
General Admin	\$ 4,622,156	\$ 626,044	13.54%	\$ 4,496,715	\$ 617,060	13.72%
Dept Admin	4,622,156	271,502	5.87%	4,496,715	264,696	5.89%
Spon Proj Admin	4,622,156	639,683	13.84%	4,496,715	666,888	14.83%
Uncapped	4,622,156	1,537,229	33.26%	4,496,715	1,548,644	34.44%
Capped	4,622,156		26.00%	4,496,715		26.00%
Facilities:						
Buildings	3,930,429	25,090	0.64%	3,804,988	25,090	0.66%
Equipment	3,930,429	3,789	0.10%	3,804,988	3,789	0.10%
Interest	3,930,429	9,003	0.23%	3,804,988	9,003	0.24%
O&M	3,930,429	97,729	2.49%	3,804,988	97,729	2.57%
Library	3,930,429	56,471	1.44%	3,804,988	56,501	1.48%
Voluntary reduction	3,930,429	4,323	0.11%	3,804,988	(1,902)	-0.05%
Subtotal	3,930,429	\$ 196,405	5.00%	3,804,988	\$ 190,210	5.00%
On-Campus Capped Rate			31.00%			31.00%
On-Campus Uncapped Rate			31.00%			31.00%

O4 – Great Lakes Research Center (GLRC) Incremental Revenue

Michigan Tech has long been a leader in research related to the Great Lakes. Now those researchers and their projects are going to have a new home on the campus's waterfront.

The project includes construction of a three-story, 55,000 square foot research building that enhances Michigan Tech's waterfront. The building, located on the canal side of the Dow Environmental Sciences and Engineering Building will house eight research labs with researchers from four departments: biological sciences, civil and environmental engineering, geological and mining engineering and sciences, and chemistry. Researchers from the Michigan Tech Research Institute will bring their remote sensing expertise to the new facility.

The new center will focus on a number of pressing issues in upper Great Lakes coastal research, including research into the effects of global climate change, the impact of invasive plant and animal species, over-fishing and the reproductive failure of native fish, loss of coastal wetlands and habitats along tributaries that feed the Great Lakes, historical contamination from mining and the impact of toxic contaminants that persist, and the effects of population and pollution on coastal biodiversity.

A broad variety of research labs will draw faculty and students from disciplines across campus. They include a fisheries restoration lab, a sediment characterization and processing lab, a mass spectrometry lab where large samples can be screened quickly for different compounds, a coastal hydrology lab for controlled testing of sediment behavior under various river and coastal flow conditions; an exotic species lab; a model computation lab, a remote sensing and coastal instrumentation networking lab; and an air quality and meteorology lab.

In 2009 the Michigan DNR released the Michigan-Great Lakes Plan. This plan envisions a vibrant "blue water economy" premised on achieving and maintaining a balance between economic development and assured preservation of the health and sustainability of the Great Lakes. The report identifies eight Great Lakes restoration priorities: aquatic invasive species, habitat/species, coastal health, areas of concern and sediments, non-point sources of pollution, toxic pollutants, indicators and information, and sustainable development. Michigan Tech, through the Great Lakes Research Center, will be uniquely positioned to contribute research and policy work in each of the eight priority areas.

As a hub for Great Lakes research and education, the waterfront facility will also house a conference center and facilities to expand educational outreach program for elementary, middle and high school students and teachers. The building will include a research vessel deployment and maintenance facility and water-level access for the University's research vessels, the Agassiz and Polar.

The University issued a general revenue bond series in 2010 to fund its share of the Great Lakes Research Center as well as to obtain funds for some necessary life safety expenditures. The additional allowable costs related to the 2010 general revenue bond issue are reported in Table 03.

There will only be incremental Organized Research revenue generated when we open the GLRC. Therefore, the MTDC for the Instruction rate, the MTRI rate and the OSA rate will not change. Incremental organized research at the GLRC is computed by using 25% of the average on-campus MTDC per square foot of non-ARRA MTDC. The percentage of the average MTDC/square foot will increase by 25% per year during the proposal period, for example, 25% in 2013, 50% in 2014, and so forth.

Great Lakes Research Center Modification to Base Year 2011 for FYs 2013 - 2016

Incremental Research funding

Org Research MTDC \$/ Nasf Benchmark	\$	73.00	Non-ARRA MTDC / OR-ASF [224,299]
FY 2013		390,021	- 1/4 of average research per asf in FY2013
FY 2014		780,042	- 1/2 of average research per asf in FY2014
FY 2015		1,170,062	- 3/4 of average research per asf in FY2015
FY 2016		1,560,083	- 4/4 of average research per asf in FY2015

O5 – GLRC Fact Sheet

The incremental space and expenses for the GLRC are presented below.

**Great Lakes Research Center
Modification to Base Year 2011 for FY 2013 - 2016**

Substantially complete and occupied by: June 1, 2012

Space Summary - Functional Utilization

Base:

Org Research	21,371
OSA	2,770

Administrative component:

GA	4,250
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Facilities component:

O&M	154
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OIA	36
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Net Assignable Square Feet	28,581
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Excluded space	19,425
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Gross building square feet	48,006
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Building footprint square feet	55,000
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Common areas: Hallways, bathrooms, etc.

Project costs - all allowable

Summary

Building:	\$ 16,224,072	Construction costs exclusive of HVAC
	7,654,333	HVAC
Equipment:	708,595	Purchased entirely with University funds
	750,000	Purchased entirely with University funds
Total	\$ 25,337,000	Project cost approved by MT Board of Control

Annual depreciation [componentized]

Building:	\$ 365,042	40 Year Use life with 10% salvage value
	344,445	20 Year Use life with 10% salvage value
Equipment:	101,228	7 Year Use life with 0% salvage value
	150,000	5 Year Use life with 0% salvage value
Total	\$ 960,714	

Operating Expenses - all allowable

Utilities expense	\$ 175,000	
Other O&M costs	105,000	
State paid Interest expense	937,500	Assume \$18,750,000 bond @ 5% interest rate
MTU Interest expense [2010 bond issue]:		\$6,875,000 bond @ all-in-cost 4.06 % interest rate
FY13 Interest expense, net	230,038	Build America bonds subsidy [35%] or \$123,866
FY14 Interest expense, net	225,021	Build America bonds subsidy [35%] or \$121,165
FY15 Interest expense, net	218,384	Build America bonds subsidy [35%] or \$117,592
FY16 Interest expense, net	212,571	Build America bonds subsidy [35%] or \$114,461

O6 – GRLC Impact Summary Schedule

An impact summary schedule for our rates based on additional research revenue, space and operating expenses is provided below. The proposed rate schedules which reflect the incremental changes for the GLRC to the MTDC for FYs 2013 - 2016 are presented below. Rate schedules for each year of the proposal period in the same format as those presented on pages B1, B2, B3, and B4 are available upon request.

Great Lakes Research Center						
Modification to Base Year 2011 for FY 2013 - 2016						
	Approved 2012	Base Year 2011	Projected			
			2013	2014	2015	2016
Instruction						
Capped						
On-Campus	57.00%	52.00%	52.00%	52.00%	52.00%	52.00%
Off-campus	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
Uncapped						
On-Campus	57.00%	52.00%	52.00%	52.00%	52.00%	52.00%
Off-campus	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
MTDC decrements [DA comp]			(16,204)	(16,153)	(16,152)	(16,152)
MTDC Base (On-Campus)	-	69,310,497	69,294,293	69,278,140	69,261,988	69,245,836
Organized Research						
Capped						
On-Campus	56.00%	51.25%	60.00%	59.00%	58.25%	57.75%
Off-campus	26.00%	26.0%	26.00%	26.00%	26.00%	26.00%
Uncapped						
On-Campus	69.00%	67.50%	76.25%	75.25%	74.00%	73.00%
Off-campus	40.00%	42.25%	42.50%	42.00%	41.75%	41.50%
MTDC annual increments			389,797	389,801	389,800	389,801
MTDC Base (On-Campus)	16,669,963	16,817,795	17,207,592	17,597,393	17,987,193	18,376,994
MTRI - Organized Research						
Capped						
On-Campus	47.50%	50.00%	51.30%	51.30%	51.30%	51.30%
Off-campus	26.00%	26.0%	26.00%	26.00%	26.00%	26.00%
Uncapped						
On-Campus	86.50%	81.50%	83.00%	82.75%	82.50%	82.25%
Off-campus	65.00%	57.50%	57.75%	57.50%	57.25%	57.00%
MTDC increments			-	-	-	-
MTDC Base (On-Campus)	-	3,722,041	3,722,041	3,722,041	3,722,041	3,722,041
Other Sponsored Activitiy						
Capped						
On-Campus	30.00%	31.00%	35.75%	35.75%	35.75%	35.75%
Off-campus	26.00%	26.0%	26.00%	26.00%	26.00%	26.00%
Uncapped						
On-Campus	30.00%	31.00%	35.75%	35.75%	35.75%	35.75%
Off-campus	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
MTDC increments			-	-	-	-
MTDC Base (On-Campus)	-	3,930,429	3,930,429	3,930,429	3,930,429	3,930,429

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O7 – 2016 Modified Rates (GRLC only – Next 2 pages)

Proposed Rates with Only the GLRC Modifications (FY 2016)						
Base Year (2011):	Without Modification			GLRC-only Modifications		
	Base	Allocated Amount	Rate	Base	Allocated Amount	Rate
Instruction Rate						
Administrative:						
General Admin	\$ 69,310,497	\$ 9,387,704	13.54%	\$ 69,245,835	\$ 9,487,320	13.70%
Dept Admin	69,310,497	10,138,003	14.63%	69,245,835	10,084,447	14.56%
Spon Proj Admin	69,310,497	75,797	0.11%	69,245,835	71,971	0.10%
Student Serv Admin	69,310,497	7,696,846	11.10%	69,245,835	7,711,234	11.14%
Uncapped	69,310,497	27,298,350	39.39%	69,245,835	27,354,972	39.50%
Capped	69,310,497		26.00%	69,245,835		26.00%
Facilities:						
Buildings	69,310,497	2,677,114	3.86%	69,245,835	2,677,072	3.87%
Equipment	69,310,497	787,373	1.14%	69,245,835	787,336	1.14%
Interest	69,310,497	1,844,348	2.66%	69,245,835	1,843,845	2.66%
O&M	69,310,497	6,710,944	9.68%	69,245,835	6,721,234	9.71%
Library	69,310,497	6,025,784	8.69%	69,245,835	6,030,924	8.71%
Voluntary redux	69,310,497	(27,724)	-0.04%	69,245,835	(55,397)	-0.08%
Subtotal	69,310,497	18,017,839	26.00%	69,245,835	18,005,014	26.00%
On-Campus Capped Rate			52.00%			52.00%
On-Campus Uncapped Rate			52.00%			52.00%
Organized Research Rate						
Administrative:						
General Admin	\$ 20,161,124	\$ 2,730,707	13.54%	\$ 21,720,323	\$ 2,975,884	13.70%
Dept Admin	20,161,124	2,938,411	14.57%	21,720,323	3,096,155	14.25%
Spon Proj Admin	20,161,124	2,857,784	14.17%	21,720,323	2,927,595	13.48%
Uncapped	20,161,124	8,526,902	42.29%	21,720,323	8,999,634	41.43%
Capped	20,161,124		26.00%	21,720,323		26.00%
Facilities:						
Buildings	16,817,795	777,946	4.63%	18,376,994	1,308,454	7.12%
Equipment	16,817,795	512,359	3.05%	18,376,994	613,594	3.34%
Interest	16,817,795	519,227	3.09%	18,376,994	1,380,269	7.51%
O&M	16,817,795	2,150,485	12.79%	18,376,994	2,236,868	12.17%
Library	16,817,795	278,747	1.66%	18,376,994	279,174	1.52%
Additional request	16,817,795	8,335	0.05%	18,376,994	16,539	0.09%
Voluntary redux	16,817,795	-	0.00%	18,376,994	-	0.00%
Subtotal	16,817,795	4,247,099	25.25%	18,376,994	5,834,898	31.75%
On-Campus Capped Rate			51.25%			57.75%
On-Campus Uncapped Rate			67.50%			73.00%

Proposed Rates with Only the GLRC Modifications (FY 2016)

Base Year (2011):	<u>Without Modification</u>			<u>GLRC-only Modifications</u>		
	Base	Allocated		Base	Allocated	
		Amount	Rate		Amount	Rate
<u>MTRI Organized Research Rate</u>						
Administrative:						
General Admin	\$ 3,760,667	\$ 509,360	13.54%	\$ 3,760,667	\$ 515,246	13.70%
Dept Admin	3,760,667	1,105,491	29.40%	3,760,667	1,113,732	29.62%
Spon Proj Admin	3,760,667	543,394	14.45%	3,760,667	515,968	13.72%
Uncapped	3,760,667	2,158,245	57.39%	3,760,667	2,144,946	57.04%
Capped	3,760,667		26.00%	3,760,667		26.00%
Facilities:						
Equipment	3,722,041	68,707	1.85%	3,722,041	68,707	1.85%
O&M	3,722,041	757,146	20.34%	3,722,041	809,452	21.75%
Library	3,722,041	63,056	1.69%	3,722,041	63,159	1.70%
Additional request	3,722,041	4,466	0.12%	3,722,041	372	0.01%
Subtotal	3,722,041	893,375	24.00%	3,722,041	941,690	25.30%
On-Campus Capped Rate			50.00%			51.30%
On-Campus Uncapped Rate			81.50%			82.25%

Other Sponsored Activity Rate

Administrative:						
General Admin	\$ 4,622,156	\$ 626,044	13.54%	\$ 4,622,156	\$ 633,278	13.70%
Dept Admin	4,622,156	271,502	5.87%	4,622,156	271,825	5.88%
Spon Proj Admin	4,622,156	639,683	13.84%	4,622,156	607,398	13.14%
Uncapped	4,622,156	1,537,229	33.26%	4,622,156	1,512,501	32.72%
Capped	4,622,156		26.00%	4,622,156		26.00%
Facilities:						
Buildings	3,930,429	25,090	0.64%	3,930,429	93,852	2.39%
Equipment	3,930,429	3,789	0.10%	3,930,429	3,789	0.10%
Interest	3,930,429	9,003	0.23%	3,930,429	120,620	3.07%
O&M	3,930,429	97,729	2.49%	3,930,429	103,362	2.63%
Library	3,930,429	56,471	1.44%	3,930,429	56,559	1.44%
Additional request	3,930,429	4,323	0.11%	3,930,429	5,110	0.13%
Subtotal	3,930,429	196,405	5.00%	3,930,429	383,292	9.75%
On-Campus Capped Rate			31.00%			35.75%
On-Campus Uncapped Rate			31.00%			35.75%

O8 – Combined Modification Summary Schedule (ARRA & GLRC)

An impact summary schedule for our rates based on the combined ARRA decrement and GLRC additional research revenue, space and operating expenses is provided below. Rate schedules for each year of the proposal period in the same format as those presented on pages B1, B2, B3, and B4 are available upon request. The blended proposed rates are presented in a different schedule.

ARRA and Great Lakes Research Center						
Modification to Base Year 2011 for FY 2013 - 2016						
	Approved	Base Year	Projected			
	2012	2011	2013	2014	2015	2016
Instruction						
Capped						
On-Campus	57.00%	52.00%	52.00%	52.25%	52.25%	52.25%
Off-campus	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
Uncapped						
On-Campus	57.00%	52.00%	52.00%	52.25%	52.25%	52.25%
Off-campus	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
Net MTDC decrements			6,920	(495,444)	(16,152)	(16,153)
MTDC Base (On-Campus)	-	69,310,497	69,317,417	68,821,973	68,805,821	68,789,668
Organized Research						
Capped						
On-Campus	56.00%	51.25%	60.25%	60.00%	59.25%	58.50%
Off-campus	26.00%	26.0%	26.00%	26.00%	26.00%	26.00%
Uncapped						
On-Campus	69.00%	67.50%	77.00%	77.50%	76.50%	75.50%
Off-campus	40.00%	42.25%	43.00%	43.50%	43.25%	43.00%
Net MTDC inc/decrements			234,930	92,540	389,800	389,801
MTDC Base (On-Campus)	16,669,963	16,817,795	17,052,725	17,146,265	17,535,065	17,924,866
MTRI - Organized Research						
Capped						
On-Campus	47.50%	50.00%	51.75%	52.75%	52.75%	52.75%
Off-campus	26.00%	26.0%	26.00%	26.00%	26.00%	26.00%
Uncapped						
On-Campus	86.50%	81.50%	84.25%	87.00%	86.75%	86.50%
Off-campus	65.00%	57.50%	58.50%	60.25%	60.00%	60.00%
Net MTDC inc/decrements			(50,360)	(143,787)	-	-
MTDC Base (On-Campus)	2,693,480	3,722,041	3,671,681	3,527,894	3,527,894	3,527,894
Other Sponsored Activitiy						
Capped						
On-Campus	30.00%	31.00%	35.75%	36.00%	36.00%	36.00%
Off-campus	26.00%	26.0%	26.00%	26.00%	26.00%	26.00%
Uncapped						
On-Campus	30.00%	31.00%	35.75%	36.00%	36.00%	36.00%
Off-campus	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
Net MTDC inc/decrements			9	(125,450)	-	-
MTDC Base (On-Campus)	-	3,930,429	3,930,438	3,804,988	3,804,988	3,804,988

O9 – 2016 Combined Modified Rates (Next 2 pages)
(Includes Base Year, ARRA modification, and GLRC modification)

The proposed rate schedules for 2016 reflect the incremental changes to the MTDC for both the ARRA decrement and the GLRC increment for FYs 2013-2016 as presented below.

Proposed Rates with Modifications (FY 2016)						
	Without Modification			Combined Modifications		
	Base	Allocated Amount	Rate	Base	Allocated Amount	Rate
Base Year (2011):						
<u>Instruction Rate</u>						
Administrative:						
General Admin	\$ 69,310,497	\$ 9,387,704	13.54%	\$ 68,789,668	\$ 9,547,394	13.88%
Dept Admin	69,310,497	10,138,003	14.63%	68,789,668	10,103,759	14.69%
Spon Proj Admin	69,310,497	75,797	0.11%	68,789,668	-	0.00%
Student Serv Admin	69,310,497	7,696,846	11.10%	68,789,668	7,722,902	11.23%
Uncapped	69,310,497	27,298,350	39.39%	68,789,668	27,374,055	39.79%
Capped	69,310,497		26.00%	68,789,668		26.00%
Facilities:						
Buildings	69,310,497	2,677,114	3.86%	68,789,668	2,677,114	3.89%
Equipment	69,310,497	787,373	1.14%	68,789,668	787,336	1.14%
Interest	69,310,497	1,844,348	2.66%	68,789,668	1,843,845	2.68%
O&M	69,310,497	6,710,944	9.68%	68,789,668	6,721,234	9.77%
Library	69,310,497	6,025,784	8.69%	68,789,668	6,038,444	8.78%
Voluntary redux	69,310,497	(27,724)	-0.04%	68,789,668	(13,758)	-0.02%
Subtotal	69,310,497	18,017,839	26.00%	68,789,668	18,054,215	26.25%
On-Campus Capped Rate			52.00%			52.25%
On-Campus Uncapped Rate			52.00%			52.25%
<u>Organized Research Rate</u>						
Administrative:						
General Admin	\$ 20,161,124	\$ 2,730,707	13.54%	\$ 20,666,230	\$ 2,868,289	13.88%
Dept Admin	20,161,124	2,938,411	14.57%	20,666,230	3,023,460	14.63%
Spon Proj Admin	20,161,124	2,857,784	14.17%	20,666,230	2,974,928	14.40%
Uncapped	20,161,124	8,526,902	42.29%	20,666,230	8,866,677	42.90%
Capped	20,161,124		26.00%	20,666,230		26.00%
Facilities:						
Buildings	16,817,795	777,946	4.63%	17,924,866	1,308,454	7.30%
Equipment	16,817,795	512,359	3.05%	17,924,866	613,594	3.42%
Interest	16,817,795	519,227	3.09%	17,924,866	1,380,269	7.70%
O&M	16,817,795	2,150,485	12.79%	17,924,866	2,236,868	12.48%
Library	16,817,795	278,747	1.66%	17,924,866	279,319	1.56%
Additional request	16,817,795	8,335	0.05%	17,924,866	7,170	0.04%
Voluntary redux	16,817,795	-	0.00%	17,924,866	-	0.00%
Subtotal	16,817,795	4,247,099	25.25%	17,924,866	5,825,674	32.50%
On-Campus Capped Rate			51.25%			58.50%
On-Campus Uncapped Rate			67.50%			75.50%

Proposed Rates with Modifications (FY 2016)

Base Year (2011):	Without Modification			Combined Modifications		
	Base	Allocated Amount	Rate	Base	Allocated Amount	Rate
<u>MTRI Organized Research Rate</u>						
Administrative:						
General Admin	\$ 3,760,667	\$ 509,360	13.54%	\$ 3,565,153	\$ 494,812	13.88%
Dept Admin	3,760,667	1,105,491	29.40%	3,565,153	1,115,297	31.28%
Spon Proj Admin	3,760,667	543,394	14.45%	3,565,153	522,889	14.67%
Uncapped	3,760,667	2,158,245	57.39%	3,565,153	2,132,998	59.83%
Capped	3,760,667		26.00%	3,565,153		26.00%
Facilities:						
Equipment	3,722,041	68,707	1.85%	3,527,894	68,707	1.95%
O&M	3,722,041	757,146	20.34%	3,527,894	809,452	22.94%
Library	3,722,041	63,056	1.69%	3,527,894	63,186	1.79%
Additional request	3,722,041	4,466	0.12%	3,527,894	2,470	0.07%
Subtotal	3,722,041	893,375	24.00%	3,527,894	943,815	26.75%
On-Campus Capped Rate			50.00%			52.75%
On-Campus Uncapped Rate			81.50%			86.50%
<u>Other Sponsored Activity Rate</u>						
Administrative:						
General Admin	\$ 4,622,156	\$ 626,044	13.54%	\$ 4,496,715	\$ 624,104	13.88%
Dept Admin	4,622,156	271,502	5.87%	4,496,715	265,024	5.89%
Spon Proj Admin	4,622,156	639,683	13.84%	4,496,715	630,894	14.03%
Uncapped	4,622,156	1,537,229	33.26%	4,496,715	1,520,022	33.80%
Capped	4,622,156		26.00%	4,496,715		26.00%
Facilities:						
Buildings	3,930,429	25,090	0.64%	3,804,988	93,852	2.47%
Equipment	3,930,429	3,789	0.10%	3,804,988	3,789	0.10%
Interest	3,930,429	9,003	0.23%	3,804,988	120,620	3.17%
O&M	3,930,429	97,729	2.49%	3,804,988	103,362	2.72%
Library	3,930,429	56,471	1.44%	3,804,988	56,589	1.49%
Additional request	3,930,429	4,323	0.11%	3,804,988	2,283	0.06%
Subtotal	3,930,429	196,405	5.00%	3,804,988	380,495	10.00%
On-Campus Capped Rate			31.00%			36.00%
On-Campus Uncapped Rate			31.00%			36.00%

O10 – Blended Organized Research Modified Rates

The following table summarizes how we arrived at the proposal blended organized research rate for Michigan Technological University.

Years:	Negotiated and Approved FY 2012	Four Year Projections of MTU Modified Org Research Rates				Blended Rate
		FY 2013	FY 2014	FY 2015	FY 2016	
Administrative:						
General admin	13.69%	13.87%	13.95%	13.92%	13.88%	13.90%
Department admin	11.47%	11.13%	11.28%	11.15%	11.03%	11.10%
DA (F&P) allowance	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%
Spon project admin	11.08%	14.33%	14.80%	14.60%	14.40%	14.50%
Uncapped total	39.84%	42.93%	43.63%	43.27%	42.91%	43.10%
Admin cap adjustment	-13.84%	-16.93%	-17.63%	-17.27%	-16.91%	-17.10%
Capped	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
Facilities:						
Buildings	8.25%	7.67%	7.63%	7.46%	7.30%	7.50%
Equipment	4.89%	3.60%	3.58%	3.50%	3.42%	3.50%
Interest	5.55%	8.17%	8.10%	7.90%	7.70%	7.90%
O&M	13.91%	13.12%	13.05%	12.76%	12.48%	12.50%
Library	1.59%	1.64%	1.63%	1.59%	1.56%	1.60%
Rounding	0.00%	0.05%	0.01%	0.04%	0.04%	0.00%
Voluntary reduction	-4.19%	0.00%	0.00%	0.00%	0.00%	0.00%
Subtotal	30.00%	34.25%	34.00%	33.25%	32.50%	33.00%
On-Campus capped	56.00%	60.25%	60.00%	59.25%	58.50%	59.00%
Off-Campus capped	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
On-Campus uncapped	69.00%	77.00%	77.50%	76.50%	75.50%	76.00%
Off-Campus uncapped	40.00%	43.00%	43.50%	43.25%	43.00%	43.00%
MTDC Base (On-Campus)	\$ 16,699,963	\$ 17,052,725	\$ 17,145,265	\$ 17,535,065	\$ 17,924,866	

O11 – Blended MTRI Organized Research Modified Rates

The following table summarizes how we arrived at the proposal blended organized research rate for MTRI.

<u>Years:</u>	<u>Negotiated and Approved FY2012</u>	<u>Four Year Projections of MTRI Modified Org Research Rates</u>				<u>Blended Rate</u>
		<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>	
Administrative;						
General admin	14.04%	13.87%	13.95%	13.92%	13.88%	13.90%
Department admin	39.59%	30.06%	31.30%	31.29%	31.28%	31.30%
DA (F&P) allowance	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Spon project admin	11.50%	14.61%	15.09%	14.88%	14.67%	14.90%
Uncapped total	65.13%	58.54%	60.34%	60.09%	59.83%	60.10%
Admin cap adjustment	-39.13%	-32.54%	-34.34%	-34.09%	-33.83%	-34.10%
Capped	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
Facilities:						
Buildings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Equipment	5.30%	1.87%	1.95%	1.95%	1.95%	1.95%
Interest	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
O&M	14.56%	22.05%	22.94%	22.94%	22.94%	22.95%
Library	1.61%	1.72%	1.79%	1.79%	1.79%	1.80%
Rounding	0.03%	0.11%	0.07%	0.07%	0.07%	0.05%
Voluntary reduction	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Subtotal	21.50%	25.75%	26.75%	26.75%	26.75%	26.75%
On-Campus capped	47.50%	51.75%	52.75%	52.75%	52.75%	52.75%
Off-Campus capped	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%
On-Campus uncapped	86.50%	84.25%	87.00%	86.75%	86.50%	87.00%
Off-Campus uncapped	65.00%	58.50%	60.25%	60.00%	60.00%	60.00%
MTDC Base (On-Campus)	\$ 2,693,480	\$ 3,671,681	\$ 3,527,894	\$ 3,527,894	\$ 3,527,894	\$ 3,563,841

O12 – Combined Modification Rate Schedules FY2013 (Next 4 pages)

MICHIGAN TECHNOLOGICAL UNIVERSITY
 FYE JUNE 30, 2013 - COMBO

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 90 — INSTRUCTION & DR					
Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	69,317,417	9,614,503	13.87	
30 — DEPARTMENT ADMIN	All	69,317,417	10,169,268	14.67	
60 — SPON PROJ ADMIN	All	69,317,417	76,626	0.11	
70 — STUDENT SERV ADMIN	All	69,317,417	7,722,324	11.14	
Subtotal For Administrative			27,582,721	39.79	26.00
Facilities					
05 — BUILDING	On	69,317,417	2,677,119	3.86	
10 — EQUIPMENT	On	69,317,417	787,336	1.14	
12 — INTEREST	On	69,317,417	1,843,845	2.66	
15 — OPERATIONS & MNT	On	69,317,417	6,721,243	9.70	
80 — LIBRARY	On	69,317,417	6,038,103	8.71	
Subtotal For Facilities			18,067,646	26.07	26.07
On Campus Rate:				65.86	52.07
Off Campus Rate:				39.79	26.00

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2013 - COMBO

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 91 — ORGANIZED RESEARCH

Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	19,983,494	2,771,761	13.87	
30 — DEPARTMENT ADMIN	All	19,983,494	2,944,442	14.73	
60 — SPON PROJ ADMIN	All	19,983,494	2,863,134	14.33	
Subtotal For Administrative			8,579,337	42.93	26.00
Facilities					
05 — BUILDING	On	17,052,725	1,308,454	7.67	
10 — EQUIPMENT	On	17,052,725	613,594	3.60	
12 — INTEREST	On	17,052,725	1,393,329	8.17	
15 — OPERATIONS & MNT	On	17,052,725	2,236,885	13.12	
80 — LIBRARY	On	17,052,725	279,292	1.64	
Subtotal For Facilities			5,831,554	34.20	34.20
On Campus Rate:				77.13	60.20
Off Campus Rate:				42.93	26.00

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2013 - COMBO

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 91A — ORG RES - MTRI					
Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	3,710,307	514,629	13.87	
30 — DEPARTMENT ADMIN	All	3,710,307	1,115,221	30.06	
60 — SPON PROJ ADMIN	All	3,710,307	541,984	14.61	
Subtotal For Administrative			2,171,834	58.54	26.00
Facilities					
10 — EQUIPMENT	On	3,671,681	68,707	1.87	
15 — OPERATIONS & MNT	On	3,671,681	809,469	22.05	
80 — LIBRARY	On	3,671,681	63,179	1.72	
Subtotal For Facilities			941,355	25.64	25.64
On Campus Rate:				84.18	51.64
Off Campus Rate:				58.54	26.00

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2013 - COMBO

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 92 — OTHER SPON ACTIVITIE

Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	4,622,165	641,106	13.87	
30 — DEPARTMENT ADMIN	All	4,622,165	274,614	5.94	
60 — SPON PROJ ADMIN	All	4,622,165	646,683	13.99	
Subtotal For Administrative			1,562,403	33.80	26.00
Facilities					
05 — BUILDING	On	3,930,438	93,852	2.39	
10 — EQUIPMENT	On	3,930,438	3,789	0.10	
12 — INTEREST	On	3,930,438	122,313	3.11	
15 — OPERATIONS & MNT	On	3,930,438	103,364	2.63	
80 — LIBRARY	On	3,930,438	56,582	1.44	
Subtotal For Facilities			379,900	9.67	9.67
On Campus Rate:				43.47	35.67
Off Campus Rate:				33.80	26.00

O13 – Combined Modification Rate Schedules FY2014 (Next 4 pages)

MICHIGAN TECHNOLOGICAL UNIVERSITY
 FYE JUNE 30, 2014 - COMBO

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 90 — INSTRUCTION & DR					
Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	68,821,973	9,604,032	13.95	
30 — DEPARTMENT ADMIN	All	68,821,973	10,139,589	14.73	
70 — STUDENT SERV ADMIN	All	68,821,973	7,727,866	11.23	
Subtotal For Administrative			27,471,487	39.91	26.00
Facilities					
05 — BUILDING	On	68,821,973	2,677,137	3.89	
10 — EQUIPMENT	On	68,821,973	787,336	1.14	
12 — INTEREST	On	68,821,973	1,843,545	2.68	
15 — OPERATIONS & MNT	On	68,821,973	6,721,241	9.77	
80 — LIBRARY	On	68,821,973	6,041,655	8.78	
Subtotal For Facilities			18,071,214	26.26	26.26
On Campus Rate:				66.17	52.26
Off Campus Rate:				39.91	26.00

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2014 - COMBO

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 91 — ORGANIZED RESEARCH

Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	19,886,629	2,775,157	13.95	
30 — DEPARTMENT ADMIN	All	19,886,629	2,958,281	14.88	
60 — SPON PROJ ADMIN	All	19,886,629	2,943,793	14.80	
			8,677,231	43.63	26.00
Subtotal For Administrative					
Facilities					
05 — BUILDING	On	17,145,265	1,308,454	7.63	
10 — EQUIPMENT	On	17,145,265	613,594	3.58	
12 — INTEREST	On	17,145,265	1,389,578	8.10	
15 — OPERATIONS & MNT	On	17,145,265	2,236,878	13.05	
80 — LIBRARY	On	17,145,265	279,374	1.63	
			5,827,878	33.99	33.99
Subtotal For Facilities					
On Campus Rate:				77.62	59.99
Off Campus Rate:				43.63	26.00

**MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2014 - COMBO**

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 91A — ORG RES - MTRI					
Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	3,565,153	497,513	13.95	
30 — DEPARTMENT ADMIN	All	3,565,153	1,115,965	31.30	
60 — SPON PROJ ADMIN	All	3,565,153	538,110	15.09	
			2,151,588	60.34	26.00
Subtotal For Administrative					
Facilities					
10 — EQUIPMENT	On	3,527,894	68,707	1.95	
15 — OPERATIONS & MNT	On	3,527,894	809,465	22.94	
80 — LIBRARY	On	3,527,894	63,198	1.79	
			941,370	26.68	26.68
Subtotal For Facilities					
On Campus Rate:				87.02	52.68
Off Campus Rate:				60.34	26.00

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2014 - COMBO

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 92 — OTHER SPON ACTIVITIE

Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	4,496,715	627,512	13.95	
30 — DEPARTMENT ADMIN	All	4,496,715	265,204	5.90	
60 — SPON PROJ ADMIN	All	4,496,715	649,259	14.44	
			1,541,975	34.29	26.00
Subtotal For Administrative					
Facilities					
05 — BUILDING	On	3,804,988	93,852	2.47	
10 — EQUIPMENT	On	3,804,988	3,789	0.10	
12 — INTEREST	On	3,804,988	121,827	3.20	
15 — OPERATIONS & MNT	On	3,804,988	103,363	2.72	
80 — LIBRARY	On	3,804,988	56,599	1.49	
			379,430	9.98	9.98
Subtotal For Facilities					
On Campus Rate:				44.27	35.98
Off Campus Rate:				34.29	26.00

O14 – Combined Modification Rate Schedules FY2015 (Next 4 pages)

MICHIGAN TECHNOLOGICAL UNIVERSITY
 FYE JUNE 30, 2015 - COMBO

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 90 — INSTRUCTION & DR					
Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	68,805,821	9,575,609	13.92	
30 — DEPARTMENT ADMIN	All	68,805,821	10,120,901	14.71	
70 — STUDENT SERV ADMIN	All	68,805,821	7,725,374	11.23	
Subtotal For Administrative			27,421,884	39.86	26.00
Facilities					
05 — BUILDING	On	68,805,821	2,677,126	3.89	
10 — EQUIPMENT	On	68,805,821	787,336	1.14	
12 — INTEREST	On	68,805,821	1,843,845	2.68	
15 — OPERATIONS & MNT	On	68,805,821	6,721,237	9.77	
80 — LIBRARY	On	68,805,821	6,040,044	8.78	
Subtotal For Facilities			18,069,588	26.26	26.26
On Campus Rate:				66.12	52.26
Off Campus Rate:				39.86	26.00

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2015 - COMBO

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 91 — ORGANIZED RESEARCH					
Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	20,276,429	2,821,842	13.92	
30 — DEPARTMENT ADMIN	All	20,276,429	2,991,634	14.75	
60 — SPON PROJ ADMIN	All	20,276,429	2,959,594	14.60	
Subtotal For Administrative			8,773,070	43.27	26.00
Facilities					
05 — BUILDING	On	17,535,065	1,308,454	7.46	
10 — EQUIPMENT	On	17,535,065	613,594	3.50	
12 — INTEREST	On	17,535,065	1,384,615	7.90	
15 — OPERATIONS & MNT	On	17,535,065	2,236,873	12.76	
80 — LIBRARY	On	17,535,065	279,346	1.59	
Subtotal For Facilities			5,822,882	33.21	33.21
On Campus Rate:				76.48	59.21
Off Campus Rate:				43.27	26.00

**MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2015 - COMBO**

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 91A — ORG RES - MTRI					
Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	3,565,153	496,157	13.92	
30 — DEPARTMENT ADMIN	All	3,565,153	1,115,630	31.29	
60 — SPON PROJ ADMIN	All	3,565,153	530,392	14.88	
Subtotal For Administrative			2,142,179	60.09	26.00
Facilities					
10 — EQUIPMENT	On	3,527,894	68,707	1.95	
15 — OPERATIONS & MNT	On	3,527,894	809,457	22.94	
80 — LIBRARY	On	3,527,894	63,192	1.79	
Subtotal For Facilities			941,356	26.68	26.68
On Campus Rate:				86.77	52.68
Off Campus Rate:				60.09	26.00

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2015 - COMBO

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 92 — OTHER SPON ACTIVITIE

Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	4,496,715	625,801	13.92	
30 — DEPARTMENT ADMIN	All	4,496,715	265,115	5.90	
60 — SPON PROJ ADMIN	All	4,496,715	639,947	14.23	
Subtotal For Administrative			1,530,863	34.05	26.00
Facilities					
05 — BUILDING	On	3,804,988	93,852	2.47	
10 — EQUIPMENT	On	3,804,988	3,789	0.10	
12 — INTEREST	On	3,804,988	121,183	3.18	
15 — OPERATIONS & MNT	On	3,804,988	103,363	2.72	
80 — LIBRARY	On	3,804,988	56,594	1.49	
Subtotal For Facilities			378,781	9.96	9.96
On Campus Rate:				44.01	35.96
Off Campus Rate:				34.05	26.00

O15 – Combined Modification Rate Schedules FY2016 (Next 4 pages)

MICHIGAN TECHNOLOGICAL UNIVERSITY
 FYE JUNE 30, 2016 - COMBO

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 90 — INSTRUCTION & DR					
Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	68,789,668	9,547,394	13.88	
30 — DEPARTMENT ADMIN	All	68,789,668	10,103,759	14.69	
70 — STUDENT SERV ADMIN	All	68,789,668	7,722,902	11.23	
Subtotal For Administrative			27,374,055	39.80	26.00
Facilities					
05 — BUILDING	On	68,789,668	2,677,116	3.89	
10 — EQUIPMENT	On	68,789,668	787,336	1.14	
12 — INTEREST	On	68,789,668	1,843,845	2.68	
15 — OPERATIONS & MNT	On	68,789,668	6,721,234	9.77	
80 — LIBRARY	On	68,789,668	6,038,444	8.78	
Subtotal For Facilities			18,067,975	26.26	26.26
On Campus Rate:				66.06	52.26
Off Campus Rate:				39.80	26.00

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2016 - COMBO

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 91 — ORGANIZED RESEARCH

Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	20,666,230	2,868,289	13.88	
30 — DEPARTMENT ADMIN	All	20,666,230	3,023,460	14.63	
60 — SPON PROJ ADMIN	All	20,666,230	2,974,928	14.40	
			8,866,677	42.91	26.00
Subtotal For Administrative					
Facilities					
05 — BUILDING	On	17,924,866	1,308,454	7.30	
10 — EQUIPMENT	On	17,924,866	613,594	3.42	
12 — INTEREST	On	17,924,866	1,380,269	7.70	
15 — OPERATIONS & MNT	On	17,924,866	2,236,868	12.48	
80 — LIBRARY	On	17,924,866	279,319	1.56	
			5,818,504	32.46	32.46
Subtotal For Facilities					
On Campus Rate:				75.37	58.46
Off Campus Rate:				42.91	26.00

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2016 - COMBO

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 91A — ORG RES - MTRI					
Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	3,565,153	494,812	13.88	
30 — DEPARTMENT ADMIN	All	3,565,153	1,115,297	31.28	
60 — SPON PROJ ADMIN	All	3,565,153	522,889	14.67	
Subtotal For Administrative			2,132,998	59.83	26.00
Facilities					
10 — EQUIPMENT	On	3,527,894	68,707	1.95	
15 — OPERATIONS & MNT	On	3,527,894	809,452	22.94	
80 — LIBRARY	On	3,527,894	63,186	1.79	
Subtotal For Facilities			941,345	26.68	26.68
On Campus Rate:				86.51	52.68
Off Campus Rate:				59.83	26.00

MICHIGAN TECHNOLOGICAL UNIVERSITY
FYE JUNE 30, 2016 - COMBO

Rate Schedule By Direct Group, Indirect Group Report

Direct Cost Group: 92 — OTHER SPON ACTIVITIE

Indirect Cost Group	Base Indicator	Base	Allocated Amount	Rate	Capped Rate
Administrative					
20 — GENERAL ADMIN	All	4,496,715	624,104	13.88	
30 — DEPARTMENT ADMIN	All	4,496,715	265,024	5.89	
60 — SPON PROJ ADMIN	All	4,496,715	630,894	14.03	
Subtotal For Administrative			1,520,022	33.80	26.00
Facilities					
05 — BUILDING	On	3,804,988	93,852	2.47	
10 — EQUIPMENT	On	3,804,988	3,789	0.10	
12 — INTEREST	On	3,804,988	120,620	3.17	
15 — OPERATIONS & MNT	On	3,804,988	103,362	2.72	
80 — LIBRARY	On	3,804,988	56,589	1.49	
Subtotal For Facilities			378,212	9.95	9.95
On Campus Rate:				43.75	35.95
Off Campus Rate:				33.80	26.00

Michigan Tech
Create the Future

Appendix A





DEPARTMENT OF THE NAVY
 OFFICE OF NAVAL RESEARCH
 875 NORTH RANDOLPH STREET
 SUITE 1425
 ARLINGTON, VA 22203-1995

IN REPLY REFER TO:

Agreement Date: January 4, 2010
 Supersedes Agreement Dated July 21, 2009

NEGOTIATION AGREEMENT

INSTITUTION: MICHIGAN TECHNOLOGICAL UNIVERSITY
 HOUGHTON, MICHIGAN

The Facilities and Administrative (F&A) rates contained herein are for use on grants, contracts and/or other agreements issued or awarded to Michigan Technological University by all Federal Agencies of the United States of America, in accordance with the provisions and cost principles mandated by 2 CFR 220. These rates shall be used for forward pricing and billing purposes for the Michigan Technological University's Fiscal Years 2010 through 2012. This agreement supersedes all previous rate agreements/determinations for Fiscal Year 2010.

SECTION I: RATES - TYPE: PREDETERMINED (PRED)

Facilities and Administration Rates:

<u>TYPE</u>	<u>FROM</u>	<u>TO</u>	<u>RATE</u>	<u>BASE</u>	<u>LOCATION</u>	<u>APPLICABLE TO</u>
PRED	7/1/09	6/30/10	54.0%	(a)	On Campus	Organized Research (1)
PRED	7/1/09	6/30/10	67.0%	(a)	On Campus	Organized Research (2)
PRED	7/1/09	6/30/10	26.0%	(a)	Off Campus	Organized Research (1)
PRED	7/1/09	6/30/10	39.0%	(a)	Off Campus	Organized Research (2)
PRED	7/1/09	6/30/10	57.0%	(a)	On Campus	Instruction
PRED	7/1/09	6/30/10	26.0%	(a)	Off Campus	Instruction
PRED	7/1/09	6/30/10	30.0%	(a)	On Campus	Other Sponsored Activities
PRED	7/1/09	6/30/10	26.0%	(a)	Off Campus	Other Sponsored Activities
PRED	7/1/09	6/30/10	47.5%	(a)	On Campus MTRI *	Organized Research (1)
PRED	7/1/09	6/30/10	86.5%	(a)	On Campus MTRI *	Organized Research (2)
PRED	7/1/09	6/30/10	26.0%	(a)	Off Campus MTRI *	Organized Research (1)
PRED	7/1/09	6/30/10	65.0%	(a)	Off Campus MTRI *	Organized Research (2)

* Michigan Tech Research Institute, Ann Arbor, MI

<u>TYPE</u>	<u>FROM</u>	<u>TO</u>	<u>RATE</u>	<u>BASE</u>	<u>LOCATION</u>	<u>APPLICABLE TO</u>
PRED	7/1/10	6/30/11	54.0%	(a)	On Campus	Organized Research (1)
PRED	7/1/10	6/30/11	67.0%	(a)	On Campus	Organized Research (2)
PRED	7/1/10	6/30/11	26.0%	(a)	Off Campus	Organized Research (1)
PRED	7/1/10	6/30/11	39.5%	(a)	Off Campus	Organized Research (2)
PRED	7/1/10	6/30/11	57.0%	(a)	On Campus	Instruction
PRED	7/1/10	6/30/11	26.0%	(a)	Off Campus	Instruction
PRED	7/1/10	6/30/11	30.0%	(a)	On Campus	Other Sponsored Activities
PRED	7/1/10	6/30/11	26.0%	(a)	Off Campus	Other Sponsored Activities
PRED	7/1/10	6/30/11	47.5%	(a)	On Campus	Organized Research (1)
					MTRI *	
PRED	7/1/10	6/30/11	86.5%	(a)	On Campus	Organized Research (2)
					MTRI *	
PRED	7/1/10	6/30/11	26.0%	(a)	Off Campus	Organized Research (1)
					MTRI *	
PRED	7/1/10	6/30/11	65.0%	(a)	Off Campus	Organized Research (2)
					MTRI *	

* Michigan Tech Research Institute, Ann Arbor, MI

<u>TYPE</u>	<u>FROM</u>	<u>TO</u>	<u>RATE</u>	<u>BASE</u>	<u>LOCATION</u>	<u>APPLICABLE TO</u>
PRED	7/1/11	6/30/12	56.0%	(a)	On Campus	Organized Research (1)
PRED	7/1/11	6/30/12	69.0%	(a)	On Campus	Organized Research (2)
PRED	7/1/11	6/30/12	26.0%	(a)	Off Campus	Organized Research (1)
PRED	7/1/11	6/30/12	40.0%	(a)	Off Campus	Organized Research (2)
PRED	7/1/11	6/30/12	57.0%	(a)	On Campus	Instruction
PRED	7/1/11	6/30/12	26.0%	(a)	Off Campus	Instruction
PRED	7/1/11	6/30/12	30.0%	(a)	On Campus	Other Sponsored Activities
PRED	7/1/11	6/30/12	26.0%	(a)	Off Campus	Other Sponsored Activities
PRED	7/1/11	6/30/12	47.5%	(a)	On Campus	Organized Research (1)
					MTRI *	
PRED	7/1/11	6/30/12	86.5%	(a)	On Campus	Organized Research (2)
					MTRI *	
PRED	7/1/11	6/30/12	26.0%	(a)	Off Campus	Organized Research (1)
					MTRI *	
PRED	7/1/11	6/30/12	65.0%	(a)	Off Campus	Organized Research (2)
					MTRI *	

* Michigan Tech Research Institute, Ann Arbor, MI

Distribution Bases

(a) Modified Total Direct Cost (MTDC), as defined in 2 CFR 220, consists of salaries and wages, fringe benefits, materials and supplies, services, travel and subgrants and subcontracts up to the first \$25,000 of each subgrant or subcontract (regardless of the period covered by the subgrant or subcontract). Equipment (defined as having an acquisition cost equal to or greater than \$5,000 and useful life of more than one year for acquisitions), capital expenditures, charges for patient care and tuition remission, rental costs, scholarships, and fellowships as well as the portion of each subgrant and subcontract in excess of \$25,000 is excluded.

APPLICABLE TO

- (1) Applies to all DoD contracts and subcontracts awarded or issued before November 30, 1993, all Non-DoD instruments, and all DoD grants. See section II, Part E hereof, (Capped Rate)
- (2) Applies to all DoD contracts awarded or issued on or after November 30, 1993 in accordance with and under the authority of DFARS 231.303(1). See Section II, Part E hereof. (Uncapped Rate)

SECTION II - GENERAL

A. LIMITATIONS: Use of the rates set forth under Section I is subject to any statutory or administrative limitations and is applicable to a given grant or contract only to the extent that funds are available. Acceptance of the rates agreed to herein is predicated upon all of the following conditions: (1) that no costs other than those incurred by the grantee/contractor were included in this indirect cost pool as finally accepted and that such costs are legal obligations of the grantee/contractor and allowable under governing cost principles, (2) that the same costs that have been treated as indirect costs are not claimed as direct costs, (3) that similar types of costs have been accorded consistent accounting treatment, and (4) that the information provided by the grantee/contractor which was used as a basis for acceptance of the rates agreed to herein, and expressly relied upon by the Government in establishing and accepting the said rates is not subsequently found to be materially incomplete or inaccurate.

B. ACCOUNTING CHANGES: The provisional rates contained in Section I of this agreement are based on the accounting system in effect at the time the agreement was established. Changes to the method(s) of accounting for costs, which affect the amount of reimbursement resulting from the use of these rates, require the prior approval of the authorized representative of the cognizant negotiation agency. Such changes include but are not limited to changes in the charging of a particular type of cost from indirect to direct. Failure to obtain such approval may result in subsequent cost disallowances.

C. PREDETERMINED RATES: The predetermined rates contained in this agreement are not subject to adjustment in accordance with the provisions of 2 CFR 220, subject to the limitations contained in Part A of this section.

D. USE BY OTHER FEDERAL AGENCIES: The rates set forth in Section I hereof were negotiated in accordance with and under the authority set forth in 2 CFR 220. Accordingly, such rates shall be applied to the extent provided in such regulations to grants, contracts and other transactions to which 2 CFR 220 is applicable, subject to any limitations in part A of this section. Copies of this document may be provided by either party to other Federal agencies which have or intend to issue or award grants and contracts using these rates or to otherwise provide such agencies with documentary notice of this agreement and its terms and conditions.

E. APPLICATION OF INDIRECT COST RATES TO DOD CONTRACTS AND SUBCONTRACTS: In accordance with DFARS 231.303, no limitation (unless waived by the institution) may be placed on the reimbursement of otherwise allowable indirect costs incurred by an institution of higher education under a DOD contract awarded on or after November 30, 1993, unless the same limitation is applied uniformly to all other organizations performing similar work. It has been determined by the Department of Defense that such limitation is not being uniformly applied. Accordingly, the rates cited (2) of Section I, as explained under the title, "APPLICABLE TO" do not reflect the application of the 26% limitation on administrative indirect costs imposed by 2 CFR 220, whereas the rates cited (1) do.

F. SPECIAL REMARKS: The Government's agreement with the rates set forth in Section I is not an acceptance of the Michigan Technological University's accounting practices or methodologies. Any reliance by the Government on cost data or methodologies submitted by Michigan Technological University is on a non-precedence-setting basis and does not imply Government acceptance.

Accepted:

FOR THE MICHIGAN TECHNOLOGICAL
UNIVERSITY:

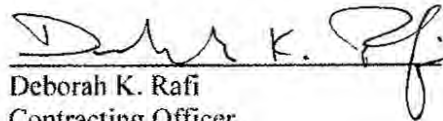


Daniel D. Greenlee
Chief Financial Officer and
Treasurer of the Board of Control

01-13-10

Date

FOR THE U.S. GOVERNMENT:



Deborah K. Rafi
Contracting Officer

1/14/2010

Date

For information concerning this agreement contact:

Owen Nicholson
Office of Naval Research
875 North Randolph Street, Room 371
Arlington, VA 22203

Phone: (703) 696-7742
E-mail: owen.nicholson@navy.mil

INDIVIDUAL RATE COMPONENTS

Institution: Michigan Technological University

FY Covered: 2010

Function Rate is Applicable to: Organized Research

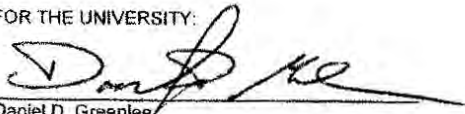
Type of Rate: Predetermined

Distribution Base: \$20,192,642 - See Below

RATE COMPONENTS:

	ORGANIZED RESEARCH		ORGANIZED RESEARCH	
	On-Campus CAPPED	Off-Campus CAPPED	On-Campus UNCAPPED	Off-Campus UNCAPPED
1. ADMINISTRATIVE:				
A. G&A	13.57%	13.57%	13.57%	13.57%
B. DA	11.14%	11.14%	11.14%	11.14%
C. DA Allowance	3.60%	3.60%	3.60%	3.60%
D. SPA	10.99%	10.99%	10.99%	10.99%
E. Student Services	0.00%	0.00%	0.00%	0.00%
F. Administrative Cap Adjustment	(13.30%)	(13.30%)	0.00%	0.00%
Subtotal for Administrative	26.00%	26.00%	39.30%	39.30%
2. DEPRECIATION/USE ALLOWANCE				
A. Buildings/Improvements Deprec.	5.45%		5.45%	
B. Equipment Deprec.	4.15%		4.15%	
3. INTEREST	3.88%		3.88%	
4. O&M	12.61%		12.61%	
5. LIBRARY	1.57%		1.57%	
Subtotal for Facilities	27.66%	0.00%	27.66%	0.00%
7. Voluntary Reduction	0.00%	0.00%	0.00%	0.00%
8. Rounding	0.34%	0.00%	0.04%	(0.30%)
Total	54.00%	26.00%	67.00%	39.00%
MTDC Base	\$ 16,869,146	\$ 3,323,496	\$ 16,869,146	\$ 3,323,496

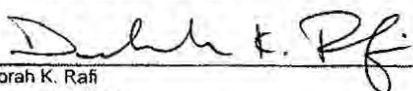
FOR THE UNIVERSITY:


 Daniel D. Greenlee
 Chief Financial Officer and Treasurer of the
 Board of Control

01-13-10

Date

FOR THE U.S. GOVERNMENT:


 Deborah K. Rafi
 Contracting Officer

1/14/2010

Date

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INDIVIDUAL RATE COMPONENTS

Institution: Michigan Technological University

FY Covered: 2011

Function Rate is Applicable to: Organized Research

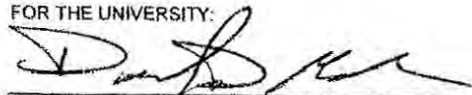
Type of Rate: Predetermined

Distribution Base: \$20,091,695 -- See Below

RATE COMPONENTS:

	ORGANIZED RESEARCH		ORGANIZED RESEARCH	
	On-Campus CAPPED	Off-Campus CAPPED	On-Campus UNCAPPED	Off-Campus UNCAPPED
1. ADMINISTRATIVE:				
A. G&A	13.64%	13.64%	13.64%	13.64%
B. DA	11.22%	11.22%	11.22%	11.22%
C. DA Allowance	3.60%	3.60%	3.60%	3.60%
D. SPA	11.04%	11.04%	11.04%	11.04%
E. Student Services	0.00%	0.00%	0.00%	0.00%
F. Administrative Cap Adjustment	(13.50%)	(13.50%)	0.00%	0.00%
Subtotal for Administrative	26.00%	26.00%	39.50%	39.50%
2. DEPRECIATION/USE ALLOWANCE				
A. Buildings/Improvements Deprec.	5.48%		5.48%	
B. Equipment Deprec.	4.18%		4.18%	
3. INTEREST	3.90%		3.90%	
4. O&M	12.69%		12.69%	
5. LIBRARY	1.58%		1.58%	
Subtotal for Facilities	27.83%	0.00%	27.83%	0.00%
7. Voluntary Reduction	0.00%	0.00%	0.00%	0.00%
8. Rounding	0.17%	0.00%	(0.33%)	0.00%
Total	54.00%	26.00%	67.00%	39.50%
 MTDC Base	 \$ 16,768,199	 \$ 3,323,496	 \$ 16,768,199	 \$ 3,323,496

FOR THE UNIVERSITY:

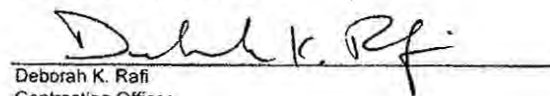


Daniel D. Greenlee
Chief Financial Officer and Treasurer of the
Board of Control

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FOR THE U.S. GOVERNMENT:



Deborah K. Rafi
Contracting Officer

1/14/2010

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INDIVIDUAL RATE COMPONENTS

Institution: Michigan Technological University

FY Covered: 2012

Function Rate is Applicable to: Organized Research


Type of Rate: Predetermined

Distribution Base: \$20,023,459 -- See Below

RATE COMPONENTS:

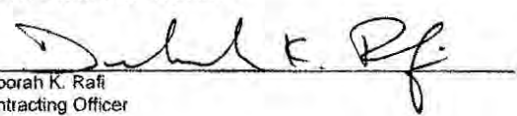
	ORGANIZED RESEARCH		ORGANIZED RESEARCH	
	On-Campus CAPPED	Off-Campus CAPPED	On-Campus UNCAPPED	Off-Campus UNCAPPED
1. ADMINISTRATIVE:				
A. G&A	13.69%	13.69%	13.69%	13.69%
B. DA	11.47%	11.47%	11.47%	11.47%
C. DA Allowance	3.60%	3.60%	3.60%	3.60%
D. SPA	11.08%	11.08%	11.08%	11.08%
E. Student Services	0.00%	0.00%	0.00%	0.00%
F. Administrative Cap Adjustment	(13.84%)	(13.84%)	0.00%	0.00%
Subtotal for Administrative	26.00%	26.00%	39.84%	39.84%
2. DEPRECIATION/USE ALLOWANCE				
A. Buildings/Improvements Deprec.	8.25%		8.25%	
B. Equipment Deprec.	4.89%		4.89%	
3. INTEREST	5.55%		5.55%	
4. O&M	13.91%		13.91%	
5. LIBRARY	1.59%		1.59%	
Subtotal for Facilities	34.19%	0.00%	34.19%	0.00%
7. Voluntary Reduction	(4.19%)	0.00%	(5.03%)	0.00%
8. Rounding	0.00%	0.00%	0.00%	0.16%
Total	56.00%	26.00%	69.00%	40.00%
 MTDC Base	 \$ 16,699,963	 \$ 3,323,496	 \$ 16,699,963	 \$ 3,323,496

FOR THE UNIVERSITY:


 Daniel D. Greenlee
 Chief Financial Officer and Treasurer of the
 Board of Control

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FOR THE U.S. GOVERNMENT:


 Deborah K. Rafi
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1/14/2010
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INDIVIDUAL RATE COMPONENTS

Institution: Michigan Technological University

FYs Covered: 2010-2012

Function Rate is Applicable to: Michigan Tech Research Institute (MTRI) - Organized Research


Type of Rate: Predetermined

Distribution Base: See Below

RATE COMPONENTS:

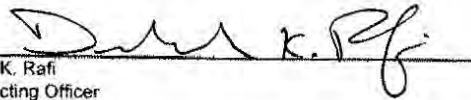
	ORGANIZED RESEARCH		ORGANIZED RESEARCH	
	On-Campus CAPPED	Off-Campus CAPPED	On-Campus UNCAPPED	Off-Campus UNCAPPED
1. ADMINISTRATIVE:				
A. G&A	14.04%	14.04%	14.04%	14.04%
B. DA	35.99%	35.99%	35.99%	35.99%
C. DA Allowance	3.60%	3.60%	3.60%	3.60%
D. SPA	11.50%	11.50%	11.50%	11.50%
E. MTRI DA	0.00%	0.00%	0.00%	0.00%
F. Administrative Cap Adjustment	(39.13%)	(39.13%)	0.00%	0.00%
Subtotal for Administrative	26.00%	26.00%	65.13%	65.13%
2. DEPRECIATION/USE ALLOWANCE				
A. Buildings/Improvements Deprec.	0.00%	0.00%	0.00%	0.00%
B. Equipment Deprec.	5.30%	0.00%	5.30%	0.00%
3. INTEREST	0.00%	0.00%	0.00%	0.00%
4. O&M	14.56%	0.00%	14.56%	0.00%
5. LIBRARY	1.61%	0.00%	1.61%	0.00%
Subtotal for Facilities	21.47%	0.00%	21.47%	0.00%
7. Voluntary Reduction	0.00%	0.00%	(0.13%)	(0.13%)
8. Rounding	0.03%	0.00%	0.03%	0.00%
Total	47.50%	26.00%	86.50%	65.00%
MTDC Base	\$ 2,693,480	\$	\$ 2,696,480	\$

FOR THE UNIVERSITY:


 Daniel D. Greentee
 Chief Financial Officer and Treasurer of the
 Board of Control

01-13-10
 Date

FOR THE U.S. GOVERNMENT:


 Debra K. Rafi
 Contracting Officer

1/14/2010
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INDIVIDUAL RATE COMPONENTS

Institution: Michigan Technological University

FYs Covered: 2010-2012

Function Rate is Applicable to: Instruction and Other Sponsored Activities

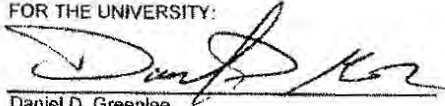
Type of Rate: Predetermined

Distribution Base: Instruction \$58,601,309 and OSA \$3,214,379 -- See Below

RATE COMPONENTS:

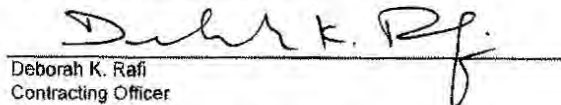
	INSTRUCTION		OTHER SPONSORED ACTIVITIES	
	On-Campus	Off-Campus	On-Campus	Off-Campus
1. ADMINISTRATIVE:				
A. G&A	14.04%	14.04%	14.04%	14.04%
B. DA	12.20%	12.20%	2.61%	2.61%
C. DA Allowance	3.60%	3.60%	3.60%	3.60%
D. SPA	0.02%	0.02%	10.33%	10.33%
E. Student Services	13.83%	13.83%	0.00%	0.00%
F. Administrative Cap Adjustment	(17.69%)	(17.69%)	(4.58%)	(4.58%)
Subtotal for Administrative	26.00%	26.00%	26.00%	26.00%
2. DEPRECIATION/USE ALLOWANCE				
A. Buildings/Improvements Deprec.	4.36%		0.41%	
B. Equipment Deprec.	1.68%		0.07%	
3. INTEREST	3.25%		0.28%	
4. O&M	10.19%		2.12%	
5. LIBRARY	11.36%		1.37%	
Subtotal for Facilities	30.84%	0.00%	4.25%	0.00%
7. Voluntary Reduction	0.00%	0.00%	(0.26%)	0.00%
8. Rounding	0.16%	0.00%	0.01%	0.00%
Total	57.00%	26.00%	30.00%	26.00%
MTDC Base	\$ 58,601,309	\$ 17,002	\$ 3,214,379	\$ 403,649

FOR THE UNIVERSITY:


 Daniel D. Greenlee
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 Board of Control

01-13-10
 Date

FOR THE U.S. GOVERNMENT:


 Deborah K. Rafi
 Contracting Officer

1/14/2010
 Date

FOR OFFICIAL USE ONLY

- 1 Administration Building
- 4 ROTC Building
- 5 Academic Office Building
School of Business & Economics,
Social Sciences
- 7 Electrical Energy Resources
Center Electrical & Computer
Engineering, School of Technology
- 8 Dow Environmental Sciences &
Engineering Building Biological
Sciences, Civil & Environmental
Engineering, Geological & Mining
Engineering & Sciences
- 9 Alumni House Alumni Relations
- 10 Rozsa Center for Performing Arts
- 11 Walker Arts & Humanities
Center College of Sciences & Arts,
Humanities, Visual & Performing Arts

- 12 Minerals & Materials Engineering
Building Materials Science &
Engineering, College of Engineering,
Institute of Materials Processing,
Biomedical Engineering
- 13 Hamar House
Center for Diversity & Inclusion
- 14 Grover C. Dillman Hall
Engineering Fundamentals
- 15 Fisher Hall Physics,
Mathematical Sciences
- 16 Widmaier House Public Safety &
Police Services
- 17 J. R. Van Pelt Library and John &
Ruanne Opie Library Archives,
Center for Teaching, Learning &
Faculty Development

- 18 U. J. Noblet Forestry Building
School of Forest Resources &
Environmental Science
- 19 Chemical Sciences & Engineering
Building Chemical Engineering,
Chemistry
- 20 R. L. Smith Building Mechanical
Engineering-Engineering Mechanics
- 22 O'Connor House
Outdoor Adventure Program
- 24 Student Development Complex
Kinesiology and Integrative
Physiology
- 25 Sherman Field Press Box
- 28 Kanwal & Ann Rekhi Hall
Computer Science
- 30 Little Huskies Child Development
Center

- 31 Douglas Houghton Hall (DHH)
- 32 Daniell Heights Apartments
- 34 Memorial Union Building
Campus Bookstore
- 37 Wadsworth Hall
- 38 West McNair Hall
- 40 East McNair Hall
- 41 Central Heating Plant
- 42 Facilities Management Storage
- 43 Facilities Management Storage
- 44 Facilities Management Offices
Fleet Services
- 45 Kettle-Gundlach President's
Residence University Residence
- 48 Hillside Place
- 50 Gates Tennis Center

- 84 Harold Meeze Center
Cognitive and Learning Sciences
(moving October 2011)
 - 96 Advanced Technology
Development Complex
Innovation and Industry Engagement
 - 100 Future site of
Great Lakes Research Center
 - 103 A. E. Seaman Mineral Museum
- Not appearing on map:
Fort Center, Alberta
IMP Storage, Houghton
Keweenaw Research Center,
Houghton County Memorial Airport
Citizen's Bank Building, Hancock
Michigan Tech Lakeshore Center, Houghton
As of Fall 2011

