

MICHIGAN TECHNOLOGICAL UNIVERSITY

SINGLE AUDIT REPORT

FOR THE YEAR ENDED JUNE 30, 2010

**MICHIGAN TECHNOLOGICAL UNIVERSITY
SINGLE AUDIT**

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INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

November 3, 2010

Board of Control
Michigan Technological University
Houghton, Michigan

We have audited the financial statements of the business-type activities and the discretely presented component unit of *Michigan Technological University*, (the "University"), as of and for the year ended June 30, 2010, which collectively comprise the University's basic financial statements and have issued our report thereon dated November 3, 2010. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States.

Internal Control Over Financial Reporting

In planning and performing our audit, we considered the University's internal control over financial reporting as a basis for designing our auditing procedures for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of University's internal control over financial reporting. Accordingly, we do not express an opinion on the effectiveness of the University's internal control over financial reporting.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct misstatements on a timely basis. A *material weakness* is a deficiency, or combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis.

Our consideration of the internal control over financial reporting was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over financial reporting that might be deficiencies, significant deficiencies or material weaknesses. We did not identify any deficiencies in internal control over financial reporting that we consider to be material weaknesses, as defined above.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the University's financial statements are free of material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit and, accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

We noted certain matters that we reported to management of the University, in a separate letter dated November 3, 2010.

This report is intended solely for the information and use of management and the Board of Control, federal awarding agencies and pass-through entities and is not intended to be and should not be used by anyone other than these specified parties.

A handwritten signature in black ink that reads "Lehmann Johnson". The signature is written in a cursive, flowing style.

**INDEPENDENT AUDITORS' REPORT ON COMPLIANCE WITH REQUIREMENTS
APPLICABLE TO EACH MAJOR PROGRAM AND ON INTERNAL CONTROL OVER
COMPLIANCE IN ACCORDANCE WITH OMB CIRCULAR A-133**

November 3, 2010

Board of Control
Michigan Technological University
Houghton, Michigan

Compliance

We have audited the compliance of Michigan Technological University (the "University"), with the types of compliance requirements described in the *U.S. Office of Management and Budget (OMB) Circular A-133 Compliance Supplement* that are applicable to each of its major federal programs for the year ended June 30, 2010. The University's major federal programs are identified in the summary of auditors' results section of the accompanying schedule of findings and questioned costs. Compliance with the requirements of laws, regulations, contracts and grants applicable to each of its major federal programs is the responsibility of the University's management. Our responsibility is to express an opinion on the University's compliance based on our audit.

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and OMB Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations*. Those standards and OMB Circular A-133 require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the University's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion. Our audit does not provide a legal determination of the University's compliance with those requirements.

In our opinion, the University complied, in all material respects, with the requirements referred to above that are applicable to each of its major federal programs for the year ended June 30, 2010. However, the results of our auditing procedures disclosed an instance of noncompliance with those requirements, which is required to be reported in accordance with OMB Circular A-133 and which is described in the accompanying schedule of findings and questioned costs as item 2010-1.

Internal Control Over Compliance

The management of the University is responsible for establishing and maintaining effective internal control over compliance with the requirements of laws, regulations, contracts, and grants applicable to federal programs. In planning and performing our audit, we considered the University's internal control over compliance with the requirements that could have a direct and material effect on a major federal program in order to determine our auditing procedures for the purpose of expressing our opinion on compliance, and to test and report on internal control over compliance in accordance with OMB Circular A-133, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the University's internal control over compliance.

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. *A material weakness in internal control over compliance* is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be deficiencies, significant deficiencies or material weaknesses. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above. However, we identified a certain deficiency in internal control over compliance, described in the accompanying schedule of findings and questioned costs as item 2010-1, which we consider to be a significant deficiency. *A significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

The University's response to the finding identified in our audit is described in the accompanying schedule of findings and questioned costs. We did not audit the University's response and, accordingly, we express no opinion on it.

This report is intended solely for the information and use of management and the Board of Control, federal awarding agencies and pass-through entities and is not intended to be and should not be used by anyone other than these specified parties.



**INDEPENDENT AUDITORS' OPINION ON THE SCHEDULE
OF EXPENDITURES OF FEDERAL AWARDS**

November 3, 2010

Board of Control
Michigan Technological University
Houghton, Michigan

We have audited the financial statements of the business-type activities and the discretely presented component unit of *Michigan Technological University*, (the "University"), as of and for the year ended June 30, and have issued our report thereon dated November 3, 2010. Our audit was performed for the purpose of forming opinions on the financial statements that collectively comprise the University's basic financial statements. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by OMB Circular A-133 and is not a required part of the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and, in our opinion, is fairly stated, in all material respects, in relation to the basic financial statements taken as a whole.



MICHIGAN TECHNOLOGICAL UNIVERSITY
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Direct Programs with CFDA Numbers				
U.S. Department of Education				
Student Financial Aid Cluster				
84.033	Federal Work-Study Program College Work Study Program	-n/a-	-n/a-	\$ 241,193
84.038	Federal Perkins Loan Program-Federal Capital Contributions Perkins	-n/a-	-n/a-	800,000
84.063	Federal Pell Grant Program Pell Grant Scholarship	-n/a-	-n/a-	6,033,729
84.007	Federal Supplemental Educational Opportunity Grants Supplemental Education Opportunity Grant	-n/a-	-n/a-	392,478
84.268	Federal Direct Student Loans Federal Direct Loans	-n/a-	-n/a-	31,759,777
84.375	Academic Competitiveness Grants Academic Competitiveness Grant	-n/a-	-n/a-	302,663
84.376	National Science and Mathematics Access to Retain Talent (SMART) Grants National SMART Grant	-n/a-	-n/a-	927,937
Total Student Financial Aid Cluster				40,457,777
Direct Programs				
U.S. Department of Education				
84.185	Byrd Honors Scholarships Robert C. Byrd Honors	-n/a-	-n/a-	41,250
Total U.S. Department of Education				40,499,027
Other Programs				
Direct Programs				
U.S. Department of Agriculture				
10.unk	No CFDA Number			
	USAGR-ESC-FFC-Silviculturist Progm	-n/a-	AG-3187-C-07-0022 MOD 0003	10,466
	USAGR-FFC-Below Grnd Ecosystem	-n/a-	08-JV-11242306-064	17,283
	USFOR-ESC-FFC-Sustain Forest Mgmt	-n/a-	FS #08-CR-11242306-089 MOD 1	86,321
	USAGR-ESC-FFC-Lk States Training Md	-n/a-	AG-56A1-C-10-0001	49,005
	USAGR-FFC-Silviculture Program	-n/a-	LETTER DATED 2/17/2010	87,954
	USFOR-ESC-Sustain Forest Mgmt	-n/a-	FS #08-CR-11242306-089 MOD 1	46,939
	USAGR-ESC-FFC-Train Adv Climate Chg	-n/a-	09-CR-11242306-085	33,167
	USAGR-ESC-FFC-Climate Chnge Science	-n/a-	09-PA-11242306-142	32,064
	USAGR-ESC-FFC-Climate Chg (Burtons)	-n/a-	09-PA-11242306-142	2,022
Total U.S. Department of Agriculture				365,221
U.S. Department of Commerce				
11.300	Investments for Public Works and Economic Development Facilities			
	UPPCO Renovation	-n/a-	#06-01-05321	2,717,131
U.S. Department of Interior				
15.929	Save America's Treasures USPAR-Relocation A.E. Seaman Museum	-n/a-	26-04-ML-0037	17,709
15.unk	No CFDA Number USPAR-ADV ACCT-ESC-FFC-Isle Roy Sup	-n/a-	TASK AGRMT NO J6310090048	25,681
Total U.S. Department of Interior				43,390
U.S. Department of Labor				
17.600	Mine Health and Safety Grants USLAB-Yr 8-MI Mine Safety USLAB-Yr 9-Mine Safety	-n/a- -n/a-	MS-18845-09-55-R-26 MS-20139-10-55-R-26	55,244 146,100
Total U.S. Department of Labor				201,344

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MICHIGAN TECHNOLOGICAL UNIVERSITY
Schedule of Expenditures of Federal Awards (Continued)
For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Other Programs - Continued				
Direct Programs - Continued				
U.S. Department of Transportation				
20.200	Highway Research and Development Program			
	USTRA-MTTI-MI Tribal Technical Asst	-n/a-	DTFH61-09-H-00001	\$ 162,520
	USTRA-MTTI-MI Tribal Tech Assistance	-n/a-	DTFH61-09-H-00001	<u>101,744</u>
Total U.S. Department of Transportation				<u>264,264</u>
National Aeronautics and Space Administration				
43.unk	No CFDA Number			
	USNAS-J Fugal & E. Saw Flwshp	-n/a-	NNX06AF98H SUPPL 1	1,604
	USNAS-FNR-A Willemsen Flwshp C Nan0	-n/a-	NNX09AI91H	<u>27,522</u>
Total National Aeronautics and Space Administration				<u>29,126</u>
National Science Foundation				
47.041	Engineering Grants			
	NATIO-IIS-Assess Impact of Teaching	-n/a-	EEC-0835986	66,490
	NSF-IIS-High School Enterprise	-n/a-	EEC-0835670	1,036
	NSF-IIS-Particpnt Exp-HS Enterprise	-n/a-	EEC-0835670	<u>10,825</u>
				<u>78,351</u>
47.049	Mathematical and Physical Sciences			
	NSF-IEM-Participant Symp Pitts PA	-n/a-	DMR-0968669	<u>11,918</u>
47.050	Geosciences			
	NSF-Earth Science Education	-n/a-	GEO-0608039	9,010
	NSF-Participant Support Earth Sci	-n/a-	GEO-0608039	30,644
	NSF-Ethics Education 2.0	-n/a-	GEO-0933026	<u>51,413</u>
				<u>91,067</u>
47.076	Education and Human Resources			
	NATIO - Part Exp - EnVISIONS	-n/a-	HRD-0714197	9,453
	NATIO-EnVISIONS	-n/a-	HRD-0714197	22,964
	NSF-CWS-FNR-Grad Schlr Global Outlk	-n/a-	DUE-0806569	6,031
	NSF-CWS-FNR-Particpnt-Grad Scholars	-n/a-	DUE-0806569	53,325
	NSF-IIS-High School Enterprise	-n/a-	DRL-0833542	289,026
	NSF-IIS-Particpnt Exp-HS Enterprise	-n/a-	DRL-0833542	87,943
	NSF-SFI-ADVANCE PAID Awd: Chg Face	-n/a-	HRD-0820083	112,724
	NSF-SFI-Family Engineering	-n/a-	DRL-0741709	601,969
	NSF-SFI-GRA-ADVANCE PAID Awd	-n/a-	HRD-0820083	23,446
	NSF-SFI-Par Exp-Family Eng	-n/a-	DRL-0741709	911
	NSF-SFI-Valerie Fuchs Fellowship	-n/a-	DGE-0539494 AMENDMENT NO. 002	2,500
	NSF-EPSSI MITEP: Improving Earth	-n/a-	DUE-0831948	498,708
	NSF-EPSSI Particpnt Exp-Impr Earth	-n/a-	DUE-0831948	21,239
	NSF-Matthew Barron Flwshp	-n/a-	DGE-0539494 AMENDMENT NO. 002	34,345
	NSF-Workshops Noyce Progm	-n/a-	DUE-0967056	<u>59,150</u>
				<u>1,823,734</u>
47.078	Polar Programs			
	NATIO-Part Exp-Zero Emissions	-n/a-	ARC-0808798	<u>4,000</u>

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MICHIGAN TECHNOLOGICAL UNIVERSITY
Schedule of Expenditures of Federal Awards (Continued)
For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Other Programs - Continued				
Direct Programs - Continued				
National Science Foundation - Continued				
47.082	ARRA- Trans-NSF Recovery Act Reasearch Support (B)			
	NSF-FNR-ARRA-Part Exp-Teacher Schol	-n/a-	DUE-0934763	\$ 19,049
	NSF-ARRA-FNR-MTCWS GK12 Global Wtr	-n/a-	DGE-0841073	44,226
	NSF-ARRA-FNR-MTCWS Participant Sup	-n/a-	DGE-0841073	39
	NSF-FNR-ARRA-R.Noyce Teacher Scholr	-n/a-	DUE-0934763	4,068
	NSF-ARRA-FNR-MTCWS GK12 Halvorsen	-n/a-	DGE-0841073	3,353
	NSF-ARRA-FNR-MTCWS GK12 Auer	-n/a-	DGE-0841073	3,428
	NSF-ARRA-FNR-MTCWS GK12 Huckins	-n/a-	DGE-0841073	13,428
				<u>87,591</u>
47.unk	No CFDA Number			
	NSF - Yr 3 - IPA - Sheryl Sorby	-n/a-	DUE-0715774-002	23,928
	NSF-ADV ACCT-S.Wojda Fellowship	-n/a-	ADVANCE ACCOUNT	9,908
				<u>33,836</u>
Total National Science Foundation				<u>2,130,497</u>
U.S. Environmental Protection Agency				
66.513	Greater Research Opportunities (GRO) Fellowships For Undergraduate/Graduate Environmental Study			
	EPA-SFI-Grad Fellowship-L.Fry	-n/a-	MA-91686301-1	11,622
66.460	Nonpoint Source Implementation Grants			
	MIDEQ-FFC-Sp-Forst H2O Q1 Mgmt Demo	-n/a-	PROJECT #2008-0008	19,141
Total U.S. Environmental Protection Agency				<u>30,763</u>
U.S. Department of Energy				
81.087	ARRA- Renewable Energy Research and Development			
	USENE-APS-ARRA-Ed/Outrch Trans Elec	-n/a-	DE-EE0002493	202,008
	USENE-ARRA-Ed/Outrch Transport Elec	-n/a-	DE-EE0002493	48,006
	USENE-ARRA-Equip-Transport Elec	-n/a-	DE-EE0002493	93,372
	USENE-APS-ARRA-Ed/Out Beard	-n/a-	DE-EE0002493	2,553
	USENE-APS-ARRA-Ed/Out Hackney	-n/a-	DE-EE0002493	2,838
	USENE-APS-ARRA Ed/Out Weaver	-n/a-	DE-EE0002493	13,649
	USENE-APS-ARRA Ed/Out Chen	-n/a-	DE-EE0002493	21,711
	USENE-APS-ARRA Ed/Out Mork	-n/a-	DE-EE0002493	13,495
Total U.S. Department of Energy				<u>397,632</u>
U.S. Department of Education				
84.116	Fund for the Improvement of Postsecondary Education			
	USEDU-RSI-YR 3-EHA ZiAmer	-n/a-	P116N040003-ACTION NO. 06	130
	USEDU-RSI-Yr4-EHAZ-Earth Hazards	-n/a-	P116N040003-ACTION NO. 06	4,120
	USEDU-CWS-Yr 1-SusR Project	-n/a-	P116N080002	13,447
	USEDU-CWS-Yr2-SustR Project	-n/a-	P116N080002	11,778
				<u>29,475</u>
84.184	Safe and Drug-Free Schools and Communities_ National Programs			
	USEDU-Yr 1-High Risk Drinking	-n/a-	CONTRACT #Q184H090021	103,226
84.200	Graduate Assistance in Areas of National Need			
	USEDU-ASISC-FNR-GAANN-Spigarelli FI	-n/a-	P200A090124	31,203
	USEDU-ASISC-FNR-GAANN-Halt Fellwshp	-n/a-	P200A090124	26,448
	USEDU-ASISC-FNR-GAANN-Josh Carlson	-n/a-	P200A090124	21,904
	USEDU-ASISC-FNR-GAANN-JustinCarlson	-n/a-	P200A090124	19,863
				<u>99,418</u>
Total U.S. Department of Education				<u>232,119</u>
National Archives and Records Administration				
89.003	National Historical Publications and Records Grants			
	NATIO-Revealing Hidden Collections	-n/a-	NAR09-RB-50059-09	52,613

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MICHIGAN TECHNOLOGICAL UNIVERSITY
Schedule of Expenditures of Federal Awards (Continued)
For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Other Programs - Continued				
Direct Programs - Continued				
U.S. Department of Homeland Security				
97.017	Pre-Disaster Mitigation (PDM) Competitive Grants MIPOL-Pre-Dstr Mitigat Grant	-n/a-	HAZARD MITIGATION GRNT AGMT	\$ (3,468)
Total Other Programs - Direct Programs				6,460,632
Pass-through Programs				
U.S. Department of Agriculture				
10.558	Child and Adult Care Food Program Child Care Center Food Program	Michigan Department of Education	-n/a-	7,618
U.S. Department of Transportation				
20.unk	No CFDA Number			
	MITRA-MTTI - 2009 ORPB Newsletter	Michigan Department of Transportation	2006-0414 AUTH 20	19,400
	MITRA-MTTI-MERL 2009	Michigan Department of Transportation	2005-0014 AUTHORIZATION Z6	52,430
	MITRA-MTTI-TDG-LTAP 2009	Michigan Department of Transportation	2003-0062 AUTH 7	48,506
	MITRA-MTTI-TDG-Roadsoft 2009	Michigan Department of Transportation	2007-0339 AUTHORIZATION Z11	346,056
	MITRA-MTTI-RoadSoft 2010	Michigan Department of Transportation	2009-0752 AUTH Z3 PROJ 108899	348,221
	MITRA-MTTI-TDG-ADV ACCT-LTAP 2010	Michigan Department of Transportation	2009-0751 Z1 #108279, 78, 81	294,979
	MITRA-MTTI-MERL 2010	Michigan Department of Transportation	2009-0753 AUTH 1 JOB 108673	17,022
	MITRA-MTTI-2010 ORPB Newsletter	Michigan Department of Transportation	2009-0750 AUTH Z2 JOB 108257	14,103
	MITRA-Sp-Natl Summer Transpntn Inst	Michigan Department of Transportation	CONTRACT #2009-0615	57,077
Total U.S. Department of Transportation				1,197,794
National Aeronautics and Space Administration				
43.unk	No CFDA Number			
	UNIVE-Admin Space Grant 08/09	University of Michigan	CHECK # 1876151	3,375
	UNIVE-MI Space-Alkaline Phosphatase	University of Michigan	CHECK #1988116	1,220
	UNIVE-MI Space-Desert Varnish Kenya	University of Michigan	CHECK #1988116	159
	UNIVE-MI Space-Disuse Osteoporosis	University of Michigan	CHECK #1988116	1,250
	UNIVE-MI Space-Influence Meniscal T	University of Michigan	CHECK #1988116	2,142
	UNIVE-MI Space-Nitric Oxide	University of Michigan	CHECK #1988116	1,450
	UNIVE-MI Space-Parametric Study of	University of Michigan	CHECK #1988116	2,102
	UNIVE-MSGC-Raingarden Studies	University of Michigan	CH #1445506	540
	UNIVE-MI Space-Metal Nanotip Format	University of Michigan	CHECK #1988116	2,500
	UNIVE-MI Space-High Altitude Rsch	University of Michigan	CHECK #1988116	2,500
	UNIVE-MI Space-Link Volcanic SO2 &	University of Michigan	CHECK #1988116	5,000
	UNIVE-MI Space-Fuego Volcano Seismi	University of Michigan	CHECK #1988116	5,000
	UNIVE-Sp-MSGC Urban Sch Environ Ed	University of Michigan	MSGC CK#2038558	8,092
	UNIVE-Admin Space Grant 09/10	University of Michigan	CHECK #2038558	1,165
	UNIVE-MSGC-Dynamic Gait	University of Michigan	CHECK #2214175	2,277
	UNIVE-MSGC-Effects of PTH	University of Michigan	CHECK #2214175	5,000
	UNIVE-MSGC-Volcanic Emissions Satel	University of Michigan	CHECK #2214175	5,000
	UNIVE-MSGC-Effects Hibrnation Bones	University of Michigan	CHECK #2214175	2,500
	UNIVE-MSGC-Wound Healing Monitoring	University of Michigan	CHECK #2214175	1,103
	UNIVE-MI Space-Remote Sensing Data	University of Michigan	CHECK #1988116	3,931
	UNIVE-MI Space-Bear Parathyroid Hor	University of Michigan	CHECK #1988116	2,500
	UNIVE-MSGC-Solar Blind Radiation	University of Michigan	CHECK #2214175	1,324
	UNIVE-MSGC-Prep of Novel Polyimide	University of Michigan	CHECK #2214175	1,591
	UNIVE-MSGC-Nanosphere Drug Deliver	University of Michigan	CHECK #2214175	538
Total National Aeronautics and Space Administration				62,259
National Endowment for the Arts				
45.025	Promotion of the Arts Partnership Agreements			
	Luna Negra Dance/Arts Midwest	Art Midwest	-n/a-	3,300
	Squonk/Arts Midwest	Art Midwest	-n/a-	4,400
Total National Endowment for the Arts				7,700
Small Business Administration				
59.037	Small Business Development Centers (B,J,K,L)			
	SIXCO-CY09 Tech Bus Dev Reg 1 SBTDC	Six County Employment Alliance-Region 1	CONTRACT AGREEMENT	4,248
	SIXCO-Small Business Tech Dev	Six County Employment Alliance-Region 1	CONTRACT AGREEMENT	4,883
Total Small Business Administration				9,131
U.S. Department of Energy				
81.unk	No CFDA Number			
	LAWRE-PERC-PERC-Partnership	Lawrence Livermore National Security, LLC	PERC AGREEMENT	8,061

MICHIGAN TECHNOLOGICAL UNIVERSITY
Schedule of Expenditures of Federal Awards (Continued)
For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Other Programs - Continued				
Pass-through Programs - Continued				
U.S. Department of Education				
84.116	Fund for the Improvement of Postsecondary Education			
	NORTH-Brazil Higher Education	North Dakota State Universitiy	SUBCONTRACT #12913	\$ 6,737
	NORTH-Stipend-Brazil Higher Educ	North Dakota State University	SUBCONTRACT #12913	17,405
	NORTH-Stipend-Brazil Higher Ed	North Dakota State Universitiy	SUBCONTRACT #12913	900
				25,042
84.334	Gaining Early Awareness and Readiness for Undergraduate Programs			
	MILAB-2008-2009 Gear Up	Michigan Department of Labor & Economic Growth	GRANT #07-00-07 YR 3	4,860
84.367	Improving Teacher Quality State Grants			
	MIEDU-EPDIS-Wld Hist & Geography	Michigan Department of Education	080290-109	18,533
	MIEDU-OID-TIIP Teaching Algebra	Michigan Department of Education	GRANT #080290-108	25,016
	MIEDU-Subs-TIIP Teaching Algebra	Michigan Department of Education	GRANT #080290-108	5,035
	MIEDU-TIIP Teaching Algebra	Michigan Department of Education	GRANT #080290-108	15,796
	MIEDU-TIIP Teaching Algebra to All	Michigan Department of Education	GRANT #080290-108	6,709
				71,089
84.394	ARRA- State Fiscal Stabilization Fund			
	ARRA-State Fiscal Stabilization Fd	Michigan Department of Management & Budget	-n/a-	1,431,300
84.unk	No CFDA Number			
	MIEDU-EPDIS Phy Sciences Physc&Chem	Michigan Department of Education	GRANT #090290-8694	125,896
	MILAB-Sp-09/10 Gear Up/College Day	Michigan Department of Labor & Economic Growth	GRANT 09-00-07	21,261
	UNIVE-MTCWS-Great Lakes Maritime	University of Wisconsin-Madison	207K034	4,626
	UNIVE-MTCWS-Grt Lks Ed K-12	University of Wisconsin-Superior	SUBAWARD DTMA1G10001	1,887
				153,670
Total U.S. Department of Education				1,685,961
Total Other Programs - Pass-through Programs				2,978,524
Total Other Programs				9,439,156
Research and Development Programs				
Direct Programs with CFDA Numbers				
U.S. Department of Agriculture				
10.025	Plant and Animal Disease, Pest Control, and Animal Care			
	USAGR-ESC-FFC-Em Ash Borer	-n/a-	08-8100-1133-CA	73,330
10.202	Cooperative Forestry Research			
	MS-FFC-FY09 Admin	-n/a-	FY09 MCINTIRE STENNIS	59,365
	MS-BRC-FFC-Gene Discovery	-n/a-	FY09 MCINTIRE STENNIS	238
	MS-ESC-FFC-Residential Dev	-n/a-	FY09 MCINTIRE STENNIS	3,510
	MS-ESC-FFC-Ecohydrological	-n/a-	FY09 MCINTIRE STENNIS	4,464
	MS-ESC-FFC-MI Commercial	-n/a-	FY09 MCINTIRE STENNIS	744
	MS-ESC-FFC-Veg Dynamics	-n/a-	FY09 MCINTIRE STENNIS	6,999
	MS-ESC-FFC-Geospatial Proc	-n/a-	FY09 MCINTIRE STENNIS	180
	MS-ESC-FFC-Residual Stand	-n/a-	FY09 MCINTIRE STENNIS	6,998
	MS-BRC-FFC-Cellulose Biosy	-n/a-	FY09 MCINTIRE STENNIS	1,576
	MS-ESC-FFC-Carbon Budget	-n/a-	FY09 MCINTIRE STENNIS	80
	MS-ESC-FFC-Gap Strategies	-n/a-	FY09 MCINTIRE STENNIS	3,258
	MS-FFC-Wolf Moose Populati	-n/a-	FY09 MCINTIRE STENNIS	93
	MS-ESC-FFC-Invasive Earthw	-n/a-	FY09 MCINTIRE STENNIS	2,231
	MS-ESC-FFC-Sugar Maple	-n/a-	FY09 MCINTIRE STENNIS	7,421
	MS-FFC-Cellulosic Ethanol	-n/a-	FY09 MCINTIRE STENNIS	2,113
	MS-ESC-FFC-Maintng Pos NPP	-n/a-	FY09 MCINTIRE STENNIS	3,746
	MS-BRC-FFC-Id CIS Elements	-n/a-	FY09 MCINTIRE STENNIS	3,168
	MS-ESC-FFC-Eft Prescribd F	-n/a-	FY09 MCINTIRE STENNIS	2,508
	MS-ESC-FFC-Weed Comp Biofl	-n/a-	FY09 MCINTIRE STENNIS	8,640
	MS-FFC-FY10 Admin	-n/a-	2010-32100-06098	54,260
	MS-FFC-MI's Forest Act	-n/a-	2010-32100-06098	3,096
	MS-ESC-FFC-Sugar Maple Def	-n/a-	2010-32100-06098	4,785
	MS-FFC-FY10 Wolf/Moose	-n/a-	2010-32100-06098	7,350
	MS-FFC-ESC-FY10 Maintain +	-n/a-	2010-32100-06098	5,628
	MS-FFC-BRC-FY10 Gen Wood	-n/a-	2010-32100-06098	6,791

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MICHIGAN TECHNOLOGICAL UNIVERSITY
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For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Research and Development Programs - Continued				
Direct Programs with CFDA Numbers - Continued				
U.S. Department of Agriculture - Continued				
10.202	Cooperative Forestry Research - Continued			
	MS-FFC-FY10 Capacity Soil	-n/a-	2010-32100-06098	\$ 758
	MS-FFC-ESC-FY10 Hot Forest	-n/a-	2010-32100-06098	4,055
	MS-FFC-BRC-FY10 Local Adap	-n/a-	2010-32100-06098	7,211
	MS-FFC-ESC-FY10 Cell Ethal	-n/a-	2010-32100-06098	4,403
	MS-FFC-ESC-FY10 Fire Fuels	-n/a-	2010-32100-06098	679
	MS-FFC-ESC-FY10 Wld Fire	-n/a-	2010-32100-06098	6,900
	MS-FFC-ESC-FY10 Carbon Frm	-n/a-	2010-32100-06098	3,960
	MS-FFC-BRC-FY10 Forest HH	-n/a-	2010-32100-06098	4,433
	MS-ESC-FFC-Tree Diversity	-n/a-	2010-32100-06098	5,182
	MS-FFC-Weed Compet Biofuel	-n/a-	2010-32100-06098	5,397
	MS-FFC-Veg Great Lakes Reg	-n/a-	2010-32100-06098	963
	MS-ESC-FFC-Foliar Morphol	-n/a-	2010-32100-06098	2,015
	MS-ESC-FFC-Nov White Cedar	-n/a-	2010-32100-06098	5,346
	MS-FFC-Inventory Forst Veg	-n/a-	2010-32100-06098	2,008
	MS-FFC-Climate Chg C & H2O	-n/a-	2010-32100-06098	2,771
	MS-BRC-FFC-Gene Modules	-n/a-	2010-32100-06098	3,286
	MS-FFC-ESC-Forest/Aquatic	-n/a-	2010-32100-06098	2,119
				<hr/> 260,728
10.206	Grants for Agricultural Research-Competitive Research Grants			
	USAGR/BRC-Genetic Engineering Trees	-n/a-	2005-35103-15256	342
	USAGR-BRC-Bidirec-Prom Rice Genm	-n/a-	2007-35301-18036	15,629
	USAGR-GRA-Functional Gene Discovery	-n/a-	2004-35300-14687	(23)
	USAGR-MITRI-Using RS to Assess NRCS	-n/a-	2006-35615-16717 AMENDMENT 2	18,080
	USAGR-PBC/Functional Gene Discovery	-n/a-	2004-35300-14687	(29)
	USAGR-RS Sensors to NRCS	-n/a-	2006-35615-16717 AMENDMENT 2	10,900
				<hr/> 44,899
10.310	Agriculture and Food Research Initiative			
	USAGR-BRC-FFC Root Dev Populus	-n/a-	2009-65504-05767	193,642
10.652	Forestry Research			
	USDA/ESC-Soil Carbon Cycling & Stor	-n/a-	05-CA-11242343-043 MOD #2	16,314
10.680	Forest Health Protection			
	USAGR-ESC 2007 Ash Damage Grnd Eval	-n/a-	07-CA-11420004-261	12,235
	USAGR-ESC Emerald Ash Rfn Trp Tree	-n/a-	07-CA-11420004-131	39,518
	USAGR-ESC Mdelng Phloem Rmvl fr Ash	-n/a-	05-CA-11244225-296 MOD A2	30,595
	USAGR-ESC-07 Emerald Ash	-n/a-	07-CA-11420004-091 MOD A1	(50)
	USAGR-ESC-FFC-2008 Sirex Noctilio	-n/a-	08-CA-11420004-238	337
	USAGR-ESC-FFC-Ash Inv, Trap & Trtmt	-n/a-	09-CA-11420004-108	114,446
	USAGR-FFC-ESC 08 Svy EAB in WI/NoMI	-n/a-	08-DG-11420004-147	15,075
	USAGR-FFC-ESC-07/09 Em Ash Borr Svy	-n/a-	07-CA-11420004-091 MOD A1	9,202
	USAGR-FFC-ESC-Spnst 2008 MI/WI EAB	-n/a-	08-CA-11420004-239	68,886
	USFOR-ESC-Emerald AshCatlg Lve Tre	-n/a-	07-CA-11420004-132	19,299
	USAGR-ESC-FFC-Coordinator SLAM Proj	-n/a-	09-CA-11420004-110	58,500
	USAGR-ESC-FFC-Ploem Reduction SLAM	-n/a-	09-CA-11420004-109	35,750
	USAGR-ESC-FFC-Growth Emerald Ash	-n/a-	09-CA-11420004-140	93,772
	USAGR-ESC-FFC-Beech Bark Disease	-n/a-	09-CA-11420004-308	39,426
				<hr/> 536,991
10.687	ARRA-Capital Improvement and Maintenance			
	USAGR-ARRA-Trails Infra Data Clean	-n/a-	10-PA-11094419-074	10,506
10.688	ARRA-Wildland Fire Management			
	USAGR-ESC-FFC-ARRA-Ash Mortality UP	-n/a-	10-CA-11420004-621	122,975
Total U.S. Department of Agriculture				<hr/> 1,259,385

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MICHIGAN TECHNOLOGICAL UNIVERSITY
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For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Research and Development Programs - Continued				
Direct Programs with CFDA Numbers - Continued				
U.S. Department of Defense				
12.300	Basic and Applied Scientific Research			
	OFFIC-Sensing/Tracking MIMO Radar	-n/a-	N00014-09-1-0438 MOD #P00003	\$ 77,983
	ONR-IEM-Metallurgical Processing	-n/a-	N00014-10-1-0434	<u>43,196</u>
				<u>121,179</u>
12.420	Military Medical Research and Development			
	USARM-BRC-Wireless Snsr Lower Limb	-n/a-	W81XWH-09-1-0734	<u>49,598</u>
12.431	Basic Scientific Research			
	OFFIC-MuSTI-Fund Und Probe-Target	-n/a-		<u>77,785</u>
12.630	Basic, Applied, and Advanced Research in Science and Engineering			
	OFFIC-Geostatistical Space	-n/a-	W911NF-09-0221	<u>71,957</u>
12.800	Air Force Defense Research Sciences Program			
	USAIR-MuSTI-Yr3-Self Reg Nanotips	-n/a-	FA9550-07-1-0053	75,017
	USAIR-Yr 4-PECASE-Bismuth	-n/a-	FA9550-05-1-0001 P00006	740
	USAIR-Yr5-PECASE: Bismuth	-n/a-	FA9550-05-1-0001 P00006	34,187
	OFFIC-MuSTI-Y1-Multiscale Model Pol	-n/a-	FA9550-09-1-0375	33,176
	OFFIC-Yr2-Nanosatellite Calibration	-n/a-	FA9550-09-1-0273	44,730
	OFFIC-MuSTI-YR2-Multiscal Model Pol	-n/a-	FA9550-09-1-0375	<u>12,628</u>
				<u>200,478</u>
Total U.S. Department of Defense				<u>520,997</u>
U.S. Department of Interior				
15.224	Cultural Resource Management			
	USBUR-NSSI-Intergov Website Mtce/Op	-n/a-	AGMT NO LAA 08 0008/L08AC14728	<u>123,275</u>
15.234	Secure Rural Schools and Community Self-Determination			
	USBUR-North Slope Water Charac Prj	-n/a-	L07AC14987 & L08AC13082	<u>37,102</u>
15.236	ARRA- Environmental Quality and Protection Resource Management			
	USBUR-ARRA-Survey Abandoned Mines	-n/a-	L10AC20007	<u>8,137</u>
15.647	Migratory Bird Conservation			
	USFIS-ESC-FFC-Habitat Quality	-n/a-	-n/a-	6,276
	USFIS-FFC-ESC-Gld Wgd Warbler Hbtat	-n/a-	GRANT AGMT 301818G068	(122)
	USFIS-FFC-ESC Disp Gold Wng Warbler	-n/a-	301819G086	<u>10,693</u>
				<u>16,847</u>
15.808	U.S. Geological Survey Research and Data Collection			
	USGEO-ADV ACCT-Phragmites Great Lks	-n/a-	G10AC00335	<u>129,855</u>
Total U.S. Department of Interior				<u>315,216</u>
U.S. Department of Transportation				
20.701	University Transportation Centers Program			
	USTRA-MTTI-NSR-MiSTI-2008/09	-n/a-	DTRT06-G-0033 MOD 1	109,402
	USTRA-NSR-MTTI/MiSTI 2006 Spr Funds	-n/a-	DTRT06-G-0033 MOD 1	(1,299)
	USTRA-NSR-MTTI-MiSTI 2006 Spnr	-n/a-	DTRT06-G-0033 MOD 1	26,337
	USTRA-NSR-MTTI-MiSTI-2007	-n/a-	DTRT06-G-0033 MOD 1	17,290
	USTRA-MTTI/MiSTI Yr 4 & 5	-n/a-	DTRT06-G-0033 MOD 1	<u>199,943</u>
Total U.S. Department of Transportation				<u>351,673</u>
National Science Foundation				
47.041	Engineering Grants			
	NATIO-MuSTI-CAREER MOLFET	-n/a-	ECCS-0643420	15,997
	NATIO-MuSTI-GRA-CAREER	-n/a-	ECCS-0643420	67,076
	NATIO-NSR-GRA-PERC-Blkot Likelihd	-n/a-	ECS-0501419	5,853
	NSF - CAREER: GRA	-n/a-	CTS-0348058 AMD #002	5,909
	NSF/CISSIC-Electr Engg for Non-EE	-n/a-	EEC-0415962-AMD 002	<u>1,183</u>

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For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Research and Development Programs - Continued				
Direct Programs with CFDA Numbers - Continued				
National Science Foundation - Continued				
47.041	Engineering Grants - Continued			
	NSF/CISSIC-GRA-Eelctr for Non EE	-n/a-	EEC-0415962-AMD 002	\$ 5,035
	NSF/IEM-Nano Magnet Faraday	-n/a-	ECS-0520814 AMD #001	665
	NSF/SFI - GRA Rnw Engery Forest Res	-n/a-	BES-0524872	38,324
	NSF/SFI - Renew Energy forest Res	-n/a-	BES-0524872	128,671
	NSF/SFI-GRA Renew Energy Forest Res	-n/a-	BES-0524872	111,744
	NSF/SFI-GRA Rnw Energy Forest Res	-n/a-	BES-0524872	45,174
	NSF/SFI-Participnt Rnw Enrgy Frst Rs	-n/a-	BES-0524872	16,013
	NSF/SFI-Renew Energy Forestry Res	-n/a-	BES-0524872	2,188
	NSF-APS-MRI Dev Combustion Vessel	-n/a-	CTS-0619585	53,759
	NSF-ASISC-Ctr Adv SustainIron/Steel	-n/a-	IIP-0832427	48,861
	NSF-ASISC-Env Benign Iron Manufactu	-n/a-	CBET-0904459	62,399
	NSF-CAREER: Fluid Dynamics	-n/a-	CTS-0348058 AMD #002	933
	NSF-CISSIC-GRA Scalable Sensor	-n/a-	ECS-0528967	89,760
	NSF-CISSIC Scalable Crd for Sensor	-n/a-	ECS-0528967	5,589
	NSF-Collab Rsrch Interfacial Istb	-n/a-	CBET-0651790	3,920
	NSF-CWS-Mdl/Analyz Water-Grt Lks	-n/a-	CMMI-0725636	217,181
	NSF-GRA-Collab Rsrch Interf Istbl	-n/a-	CBET-0651790	34,332
	NSF-Hands On Ability	-n/a-	EEC-0835987	45,376
	NSF-Hands On Ability - Bohmann	-n/a-	EEC-0835987	43,128
	NSF-IEM-REU-Nanomagnetic Faraday	-n/a-	ECS-0520814 AMD #001	1,328
	NSF-MTTI-Micrstr Asphalt Mtls	-n/a-	CMMI-0701264	7,463
	NSF-MuSTI-CAREER: Gas-Liq Interface	-n/a-	CBET-0748049	111,166
	NSF-MuSTI-NUE: MTU Nanotech Enterpr	-n/a-	EEC-0741490	15,452
	NSF-MuSTI-NUE: MTU Nanotech-Sponsor	-n/a-	EEC-0741490	30,716
	NSF-NSR-CISSIC- ITR: Mobile Remote	-n/a-	ECS-0427430-AMD 1-3	4
	NSF-NSR-CISSIC-GRA-ITR: Mobile	-n/a-	ECS-0427430-AMD 1-3	(544)
	NSF-NSR-CISSIC-Suppl#4-ITR-Mobile	-n/a-	ECS-0427430-AMD 1-3	3,991
	NSF-Partic Spt-Clab Res Ifacial Ins	-n/a-	CBET-0651790	(797)
	NSF-REU-MTTI-Microstr Asphalt Mtls	-n/a-	CMMI-0701264	18,301
	NATIO-NSR-PERC-Red Blckot Likelihd	-n/a-	ECS-0501419	472
	NSF-MuSTI-NUE: MTU Nanotch-Particpt	-n/a-	EEC-0741490	2,893
	NSF-ASISC-REU-Ctr Adv Su Iron/Steel	-n/a-	IIP-0832427	2,537
	NSF-MuSTI-Self Healing Microfibers	-n/a-	CMMI-0900582	34,251
	NSF-IEM Promote Anions H Storage	-n/a-	CBET-0931587	16,375
	NSF-MuSTI-Energy Harvesting Nanowi	-n/a-	CMMI-0926819	70,191
	NSF-APSRC-Fluid Structure Wind Turb	-n/a-	CBET-0933058	42,796
	NSF-CISSIC-Comp Coop Wideband Spec	-n/a-	ECCS-0925881	49,230
	NSF-PERC-Comp Distributed Control	-n/a-	ECCS-0901094	70,867
	NSF-MuSTI-Yap-Energy Harvst Nanwire	-n/a-	CMMI-0926819	10,056
	NSF-CISSIC Impl Dielectric Metamat	-n/a-	ECCS-0968850	58,816
	NSF-MTCWS-Mod Eval Hydro Micro DNAP	-n/a-	CBET-1034700	17,942
	NSF-MTCWS-PECASE Impl Bioremedia	-n/a-	CBET-1032260	9,353
	NSF-REU-MTTI-Char Asphalt Materials	-n/a-	CMMI-0701264	265
	NATIO-SFI-Planning Grant Bio R&D	-n/a-	IIP-1034699	160
				1,622,354
47.049	Mathematical and Physical Sciences			
	NATIO-GRA Study Heterogeneous Nucl	-n/a-	CHE-0410007-AMD 002	4,316
	NATIO-NSF-Bound/Continuum Prop L	-n/a-	PHY-0652844	49,873
	NSF/IME-CAREER:Frontier Carbon Mtls	-n/a-	DMR-0447555 AMD # 001	22,713
	NSF/IME-GRA-Frontier Carb	-n/a-	DMR-0447555 AMD # 001	15,004
	NSF-BRC-GRA-Smpl Mthds Oligonuctid	-n/a-	CHE-0647129	3,650
	NSF-BRC-Smpl Mthds Oligonucleotide	-n/a-	CHE-0647129	28,781
	NSF-Exact Inequal & Limit Theorems	-n/a-	DMS-0805946	38,986
	NSF-IME - Heterogeneous Nucleation	-n/a-	CHE-0410007-AMD 002	(10,059)
	NSF-IME-Algorithms Protein Studies	-n/a-	CHE-0809002	92,793
	NSF-IME-Participnt Algorithms Protn	-n/a-	CHE-0809002	4,470
	NSF-MuSTI-Acq In-Situ AFM/STM-TEM	-n/a-	DMR-0820884	60,710
	NSF-MuSTI-Materials World Network	-n/a-	DMR-0709669	81,674

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Research and Development Programs - Continued				
Direct Programs with CFDA Numbers - Continued				
National Science Foundation - Continued				
47.049	Mathematical and Physical Sciences - Continued			
	NSF-BRC-Photoinitiated Control Nit	-n/a-	DMR-0906709	\$ 107,898
	NSF-REU Bound Contin Latharide	-n/a-	PHY-0652844	956
	NSF-IEM-SGER Quan Nanotwin Microstr	-n/a-	DMR-1002521	82,263
	NSF-IEM-Form Magnetic Domain Evolut	-n/a-	DMR-0965081	47,841
	NSF-IEM-Comp Study Optimizing Micro	-n/a-	DMR-0968792	30,884
				662,753
47.050	Geosciences			
	NSF-Acq Sensitive Mag Suscept Syst	-n/a-	EAR-0824559	25,078
	NSF-CWS-Lake Sup Carbon Bal	-n/a-	OCE-0628545	51,516
	NSF-RSI/Physical Meteorology Proces	-n/a-	ATM-0554670	112,024
	NSF-RSI-Acq Thermal Camera Volcanic	-n/a-	EAR-0732632	(1,369)
	NSF-RSI-Ozone Photochemistry	-n/a-	ATM-0720955	85,922
	NSF-RSI-Turbulence-Cloud Interact	-n/a-	ATM-0535488	48,852
	NSF-SGER: In-Situ Volcanic Plume	-n/a-	EAR-0738956	1,158
	NSF-Virunge Volcanic SO2 Emissions	-n/a-	EAR-0910795	51,378
	NSF - Ozone Photochemistry - Owen	-n/a-	ATM-0720955	1,371
	NSF-EPSSI-Col Rsh Hygroscopic Aeros	-n/a-	ATM-0931505	23,048
	NSF-EPSSI-Seismicity Infra High Res	-n/a-	EAR-0948526	33,559
				432,537
47.070	Computer and Information Science and Engineering			
	CAREER: GRA Future Level Parall	-n/a-	CCF-0347592-AMD 003	20,860
	NATIO-CISSIC-CAREER-RealTime Robust	-n/a-	CNS-0644056	8,373
	NATIO-CISSIC-GRA-Real Time Robust	-n/a-	CNS-0644056	35,205
	NSF/CISSIC-CAREER-GRA-Signal Proces	-n/a-	CCR-0238174-AMD 002	(931)
	NSF-CAREER:Future Level Parallelism	-n/a-	CCF-0347592-AMD 003	35,146
	NSF-CAREER:Memory Controller	-n/a-	CCF-0133777-AMD 004	29,029
	NSF-CISSIC/CSR-EHS:Embedded Body Ne	-n/a-	CNS-0720781	16,169
	NSF-CISSIC-REU-CSR-EHS: Embed Netwk	-n/a-	CNS-0720781	4,961
	NSF-CPA-CPL: Fdbk-Dir Rsrc Mgmt VPM	-n/a-	CCF-0811427	12,570
	NSF-CSERI-Part Gibl Adrs Space Lang	-n/a-	CCF-0833082	15,838
	NSF-GRA-Resp Conduct in Research	-n/a-	IIS-0832922	24,810
	NSF-MuSTI-CAREER-Giga Scale Models	-n/a-	CCF-0845284	9,951
	NSF-MuSTI-SGER: Data-Parallel Techn	-n/a-	IIS-0840666	38,200
	NSF-Resp Conduct Rsch - Drummer	-n/a-	IIS-0832922	1,560
	NSF-Resp Conduct Rsch - Holles	-n/a-	IIS-0832922	13,595
	NSF-Resp Conduct Rsch Sci & Eng Ed	-n/a-	IIS-0832922	22,677
	NSF-REU-CAREER:Memory Controller	-n/a-	CCF-0133777-AMD 004	1,783
	NSF-REU-Sustainbl Undergrad Comp Ed	-n/a-	CNS-0829619	7,200
	NSF-SFI-Int Sust Undergrad Comp Ed	-n/a-	CNS-0829619	49,782
	NSF-CAREER: REU Level Parallesim	-n/a-	CCF-0347592-AMD 003	53
	NSF-RET-Sustainbl Undergrad Comp Ed	-n/a-	CNS-0829619	25,000
	NSF- EAGER: Model Check PGAS Apps	-n/a-	CCF-0950678	72,841
				444,672
47.074	Biological Sciences			
	NSF/ESC-Interactions Wolves/Moose	-n/a-	DEB-0424562-AMD 001-4	25,411
	NSF-ESC-FFC-FNR-REU-Resp Nitrate Dp	-n/a-	DEB-0814864	4,038
	NSF-ESC-FFC-Response to Nitrate Dep	-n/a-	DEB-0814864	34,991
	NSF-ESC-FFC-Yellowstone Wolves	-n/a-	DEB-0613730	110,869
	NSF-PBC/CAREER:Cellulose Biosynthes	-n/a-	IBN-0236492-AMD 003	18,933
	NSF-PBC-GRA Cellulose Biosynthesis	-n/a-	IBN-0236492-AMD 003	504
	NSF-BRC-Evolution Land Plant Cell	-n/a-	IOS-0848071	79,150
	NSF-ESC-FFC-FNR-REU-Nitrate Depos	-n/a-	DEB-0814864	1,613
				275,509

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CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Research and Development Programs - Continued				
Direct Programs with CFDA Numbers - Continued				
National Science Foundation - Continued				
47.075	Social, Behavioral, and Economic Sciences			
	NSF - PhD Prgm Industr'l Archeology	-n/a-	SES-0454711 AMEND 01	\$ (9,977)
	NSF-SHOT Workshop	-n/a-	SES-0623056	6,508
				<u>(3,469)</u>
47.076	Education and Human Resources			
	NSF-GRA-PhD Prgm Indust. Archeology	-n/a-	SES-0454711 AMEND 01	(21,324)
	NSF-BRC-Lab in Biomolecular Chem	-n/a-	DUE-0837220	69,223
	NSF-First Year IDEAS Modules & Cntr	-n/a-	DUE-0836861	48,104
	NSF-IGERT/SFI-Sustain Futures Model	-n/a-	DGE-0333401-AMD 009	454,619
	NSF-IIS-Valid Assessment Procedures	-n/a-	DUE-0817445	8,997
	NSF-Implement-Service-Systems-Eng	-n/a-	DUE-0618537	24,141
	NSF-SFI IGERT-Chem Eng Participant	-n/a-	DGE-0333401-AMD 009	9,471
	NSF-SFI IGERT-Civil Eng Participant	-n/a-	DGE-0333401-AMD 009	14,367
	NSF-SFI IGERT-Mech Eng Participant	-n/a-	DGE-0333401-AMD 009	17,137
	NSF-SFI-Particpnt Exp- Summit in DC	-n/a-	DUE-0848636	2,602
	NSF-SFI-Summit in Washington, DC	-n/a-	DUE-0848636	35,077
	NSF-SFI-Tools/Strat Sustn Integn	-n/a-	DUE-0716599	9,569
	NSF-Spnsr-Implement Curric ser Syst	-n/a-	DUE-0618537	46,040
	NSF-Partept Implmt Curric Srv Sy	-n/a-	DUE-0618537	1,030
	NSF-EPSSI-Cyber Volcano Hazards Mod	-n/a-	DRL-0940883	18,012
	NSF- Support STEP Program	-n/a-	DUE-0967057	42,927
				<u>779,992</u>
47.079	International Science and Engineering			
	NSF/RSI-Participant Rmt Sn Lat Amer	-n/a-	OISE-0530109	25,329
	NSF/RSI-Remte Sen Pac Lat Amer	-n/a-	OISE-0530109	307,505
				<u>332,834</u>
47.082	Trans-NSF Recovery Act Research Support			
	NSF-SFI-ARRA-Public Health Tanzania	-n/a-	OISE-0854050	18,175
	NSF-MTTI-ARRA-Frost Damage Concrete	-n/a-	CMMI-0900015	51,890
	NSF-SFI-ARRA-Particpnt Exp-Tanzania	-n/a-	OISE-0854050	31,640
	NSF-MuSTI-ARRA-Mag-Photonic Crystal	-n/a-	ECCS-0856650	91,739
	NSF-ARRA-Weaving Threads of Sustain	-n/a-	EEC-0935088	28,844
	NSF-FFC-ESC-ARRA LTREB Wolf/Moose	-n/a-	DEB-0918247	84,183
	NSF-BRC-ARRA-Adaptive Kernel-Free	-n/a-	DMS-0915023	49,175
	NSF-IMP-ARRA-Activation Spillover	-n/a-	CBET-0929207	52,687
	NSF-ARRA-Synergistic Inte Sustain	-n/a-	EEC-0934567	39,173
	NSF-MTTI-ARRA EAGER E-Waste Asphalt	-n/a-	CMMI-0936726	6,366
	NSF-CNLM-ARRA Sustain Fuel Lactose	-n/a-	CBET-0933017	15,919
				<u>469,791</u>
Total National Science Foundation				<u>5,016,973</u>
U.S. Environmental Protection Agency				
66.509	Science To Achieve Results (STAR) Research Program			
	USENV-RSI-Impacts Land Use Land Cov	-n/a-	RD-83428601-0	18,699
66.515	Greater Opportunities: Research Program			
	USENV/MuSTI-Biocide Leaching	-n/a-	GR-832371010-0	25,234
66.516	National Student Design Competition for Sustainability			
	USENV-Enhance Per Vented Pit Toilet	-n/a-	SU-83429701-0	9,929
Total U.S. Environmental Protection Agency				<u>53,862</u>

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MICHIGAN TECHNOLOGICAL UNIVERSITY
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For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Research and Development Programs - Continued				
Direct Programs with CFDA Numbers - Continued				
U.S. Department of Energy				
81.049	Office of Science Financial Assistance Program			
	USENE-BRC-YR2 Poplar Rt Dv	-n/a-	DE-FG02-06ER64151	\$ 41
	USENE-ESC-Yr8-Op/Decom	-n/a-	DE-FG02-95ER62125-AMD A019	230,121
	USENE-Yr 3-BRC-Genetic Mod Gibberel	-n/a-	DE-FG02-05ER64109 A001,2	358
	USENE-MuSTI-Yr3-Hetero-Junctions	-n/a-	DE-FG02-06ER46294 A001, A002	57,503
	USENE-MuSTI-Yr 2-Hetero Junctions	-n/a-	DE-FG02-06ER46294 A001, A002	24,579
	USENE-ESC-FFC-Yr2-Midwest	-n/a-	DE-FC02-06ER64158	8,923
	USENE-ESC-FFC-Yr1-Midwest	-n/a-	DE-FC02-06ER64158 AMEND #A005	61,765
	USENE-ESC-FFC-Yr 2-Midwest	-n/a-	DE-FC02-06ER64158 AMEND #A005	113,996
	USENE-ESC-FFC-Yr3-Midwest	-n/a-	DE-FC02-06ER64158	108,422
	USENE-ESC-FFC-Yr9 Op/Dec	-n/a-	DE-FG02-95ER62125-AMD A019	933,042
	USENE-IEM-Yr1-Behav Ferroelect Mtls	-n/a-	DE-SC0002196	52,699
	USENE-ESC-FFC-Yr4 NICCR Chimner Sub	-n/a-	DE-FC02-06ER64158	44,254
				<u>1,635,703</u>
81.087	Renewable Energy Research and Development			
	USENE-APS-Hydrogen Ed Curriculum	-n/a-	DE-FG36-08GO18108	110,242
	USENE-APS-GACS-Hydrogn Ed Curriculum	-n/a-	DE-FG36-08GO18108	35,542
				<u>145,784</u>
81.117	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance			
	USENE-APS-Exp Studies DPF & SCR Mdl	-n/a-	DE-EE0000204	19,550
	USENE-APS-Naber-DPF & SCR Mdl	-n/a-	DE-EE0000204	107,346
	USENE-APS-Parker- DPF & SCR Mdl	-n/a-	DE-EE0000204	75,377
				<u>202,273</u>
Total U.S. Department of Energy				<u>1,983,760</u>
U.S. Department of Education				
84.116	Fund for the Improvement of Postsecondary Education			
	USEDU-MTTI-Tuning Transatlantic	-n/a-	P116J090018	17,680
	USEDU-EPSSI-Yr 1-INVOGE Program	-n/a-	P116J090031-ACTION NO. 01	16,063
Total U.S. Department of Education				<u>33,743</u>
U.S. Department of Health and Human Services				
93.262	Occupational Safety and Health Program			
	CENTE-BRC-Mercury Vapor Exp Trcking	-n/a-	1R03OH009312-01A1	64,290
93.279	Drug Abuse and Addiction Research Programs			
	NIH-YR 2-GRA-Short Lived Radicals	-n/a-	1 R01 DA017201-01A1-03	8,363
	NIH-YR 2-Short Lived Radicals	-n/a-	1 R01 DA017201-01A1-03	9,245
	NIH-YR 1-GRAShort Lived Radicals	-n/a-	1 R01 DA017201-01A1-03	(683)
				<u>16,925</u>
93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health			
	NIH/BRC In-Situ Biliary Manometer	-n/a-	1 R15 EB008883-01A1	89,187
93.701	ARRA- Trans-NIH Recovery Act Research Support			
	NIH-BRC-ARRA-Dev Biomatls Spinal Cd	-n/a-	1 R21 NS062392-01A1	139,608
	NIH-BRC-ARRA-Fish Oil/Neurovasc Ctl	-n/a-	3 R 15 HL088689-01A1S1	21,843
	NIH-ARRA-Impacts Wildfire Part Emis	-n/a-	1 RC1 ES018612-01	244,404
	NIH-ARRA-Impacts Wildfire (Wu)	-n/a-	1 RC1 ES018612-01	17,861
	NIH-BRC-ARRA-Meniscal Horn Attach	-n/a-	2 R15 AR051906-02A2	51,673
	NIH-BRC-ARRA-Dev Biomat Spinal Yr2	-n/a-	1 R21 NS062392-01A1	3,429
				<u>478,818</u>
93.837	Cardiovascular Diseases Research			
	NIH-BRC-VEGF-C Intrstitial Flow	-n/a-	1 R15 HL093705-01	71,324
	NIH-BRC-Sleep Deprivation Neuro Con	-n/a-	1R21HL098676-01	41,936
	NIH-BRC-Reg Interstitial Flow Lymph	-n/a-	1R21HL093568-01A2	101,474
				<u>214,734</u>

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MICHIGAN TECHNOLOGICAL UNIVERSITY
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For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Research and Development Programs - Continued				
Direct Programs with CFDA Numbers - Continued				
U.S. Department of Health and Human Services - Continued				
93.839	Blood Diseases and Resources Research NIH-BRC-Fish Oil & Neurovasclr Ctrl	-n/a-	1 R15 HL088689-01A1	\$ 77,771
93.846	Arthritis, Musculoskeletal and Skin Diseases Research NIH-BRC/Black Bear Bones YR 4 NIH-BRC/Black Bear Bones YR 5 NIH-BRC-Yr6-Bone Remodel/Mech Bears	-n/a- -n/a- -n/a-	1 R15 AR050420-03 1 R15 AR050420-03 1 R15 AR050420-03	1 (21) 91,836
93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders NIH-BRC-Model 4-Hydroxybutyric Acid	-n/a-	7 R01 NS040270-09	7,161
93.859	Biomedical Research and Research Training NIH-BRC Molecular Recognition PB1 NIH-BRC/Yr 3 GRA Mapping Disease NIH-BRC/Yr 3 Mapping Disease Genes NIH-BRC-GRA-Molec Recognition PB1 NIH-IEM-Yr 5-Folding Small Proteins NIH-BRC-Enhance Barcode Readability	-n/a- -n/a- -n/a- -n/a- -n/a- -n/a-	1R15GM076055-01A2 1-R01 GM069940-01A2,02 & 03 1-R01 GM069940-01A2,02 & 03 1R15GM076055-01A2 5 R01 GM062838-06 1 R15 GM088795-01	24,972 (3) 7,911 3,341 171,129 3,286
93.865	Child Health and Human Development Extramural Research NIH-BRC-Treat Spinal Cord/Hydrogel NIH-BRC-Murine Knockout Model Acid NIH-BRC-Yr1-Treat/Screen Gamma-Hydr NIH-BRC-Yr2-Treat/Screen Gamma-Hydr	-n/a- -n/a- -n/a- -n/a-	1R15HD061096-01A2 7R03HD057864-03 5 R01 HD058553-03 5 R01 HD058553-03	159,136 48,111 27,532 39,319
Total U.S. Department of Health and Human Services				1,525,436
Total Research and Development Programs - Direct Programs with CFDA Numbers				11,061,045
Pass-through Programs with CFDA Numbers				
U.S. Department of Agriculture				
10.025	Plant and Animal Disease, Pest Control, and Animal Care UNIVE-CISSIC-Eval Foam Poultry Depo	University of Georgia	RE-683-051/3843458	19,866
10.206	Grants for Agricultural Research Competitive Research Grants UNIVE-BRC-Physcomitrella	University of Rhode Island	AGREE 090607/0001516	(1,728)
10.219	Biotechnology Risk Assessment Research OR GEO-BRC-Fld Evl Semi-Dwarf	Oregon State University	SUBGRANT #C0306A-A	23,846
Total U.S. Department of Agriculture				41,984
U.S. Department of Commerce				
11.432	Office of Oceanic and Atmospheric Research (OAR) Joint and Cooperative Institutes REGEN-New MODIS Algorithm for Retri UNIVE-GLOS-Open Lakes	Regents of the University of Michigan University of Michigan	PO #3001042375 PO #3001278616	3,169 34,585
Total U.S. Department of Commerce				37,754
U.S. Department of Defense				
12.300	Basic and Applied Scientific Research MASSA-CISSIC-Energetic Mat Initiati MASSA-CISSIC- Enrg Mtl Init	Massachusetts Institute of Technology Massachusetts Institute of Technology	SUBAWARDM #5710002044 SUBAWARDM #5710002044	2,709 109,408
				112,117

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MICHIGAN TECHNOLOGICAL UNIVERSITY
Schedule of Expenditures of Federal Awards (Continued)
For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Research and Development Programs - Continued				
Pass-through Programs with CFDA Numbers - Continued				
U.S. Department of Defense - Continued				
12.800	Air Force Defense Research Sciences Program			
	OFFIC-Yr1-Nanosatellite Calibration	Office of Naval Research	FA9550-09-1-0273	\$ 35,956
	ARIZO-MuSTI-Fibers for Comp Matls	Arizona State University	SUBAWARD #09-121	11,251
	UNIVE-CISSIC-Adv Imaging & NonImag	University of Arizona	Y453352-REVISED	83,623
	HENRY-MuSTI-Nanomtls Biolgel Compat	The Henry M. Jackson Foundation	SUBAWARD #661347	49,995
	UNIVE-MACEEP-Electric Propulsion	University of Michigan	3001381267	<u>52,633</u>
				233,458
12.901	Mathematical Sciences Grants Program			
	OFFIC-Combinatorial Designs & Codes	Office of Naval Research	H98230-08-1-0065	3,030
	OFFIC-FNR-Perfect nonlinearity code	Office of Naval Research (DARPA)	H98230-10-0159	18,324
	NATIO-Classic Quantum Error Correct	National Security Agency	H98230-10-1-0177	<u>30,451</u>
				51,805
Total U.S. Department of Defense				<u>397,380</u>
U.S. Department of Interior				
15.611	Wildlife Restoration			
	MINAT-P4-White Tailed Deer Hemlock	Michigan Department of Natural Resources	PO 751P7200589	<u>(808)</u>
15.815	National Land Remote Sensing-Education Outreach and Research			
	AMERI-Michigan View Consort 2009	AmericaView, Inc.	SUB-AWARD AGRMT AV08-MI01	<u>35,197</u>
Total U.S. Department of Interior				<u>34,389</u>
National Aeronautics and Space Administration				
43.001	Aerospace Education Services Program			
	UNIVE-MSI STEM Students Capstone	Universidad del Turabo	2010T-02	<u>38,748</u>
National Science Foundation				
47.041	Engineering Grants			
	UNIVE-IIS-AW-UT Partnership for Inv	Universidad del Turabo	PRIME # IIP-0650285	8,432
	UNIVE-IIS-UT Partnership for Innov	Universidad del Turabo	PRIME # IIP-0650285	6,926
	UNIVE-Nvl Exper/Mdl Nano	University of Illinois at Urbana-Champaign	2005-05374-01-A5790	82,223
	UNIVE-WIMS-Mcr Tk Spnr Acc	University of Michigan	SUBCONTRACT # F004025	140,204
	UNIVE-Sensors Tsk Spnsr	University of Michigan	SUBCONTRACT # F004025	49,026
	UNIVE-WIMS-Sponsor Admin	University of Michigan	SUBCONTRACT # F004025	<u>74,355</u>
				361,166
47.050	Geosciences			
	IRIS-EPSSI-USArray and Earthscope	IRIS A/P	SUBAWARD NUMBER 80-8	<u>16,327</u>
47.074	Biological Sciences			
	UNIVE-ESC-FFC-Nitrogen Deposit	University of Nevada-Reno	UNR-07-91/PO 17GC0000097	254
	COLOR-Sate Image Grass Col LTER	Colorado State University	G-3080-2	<u>4,053</u>
				4,307
47.076	Education and Human Resources			
	UNIVE-H20 Evglade Jny Evaluation	University of Central Florida	AWARD #64016152	27,907
	UNIVE-Revisiting the Future	University of Central Florida	64016228 PO#191200	26,956
	WESTE-Climate Change & Contamination	Western Michigan University	PROJECT #25-00000000006342	<u>4,997</u>
				59,860
47.079	International Science and Engineering (OISE)			
	USCIV-ASISC-Microbio Gold Extractin	U.S. Civilian Research & Development Foundation	KYC2-2926-BI-07/CRDF#16196	<u>3,645</u>
Total National Science Foundation				<u>445,305</u>

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MICHIGAN TECHNOLOGICAL UNIVERSITY
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For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Research and Development Programs - Continued				
Pass-through Programs with CFDA Numbers - Continued				
U.S. Environmental Protection Agency				
66.419	Water Pollution Control State, Interstate, and Tribal Program Support LITTL-CWS-Reg Data Sets FY09 Workpl	Little River Band of Ottawa Indians	AGRMT #081162 PO #31892	\$ 14,803
66.454	Water Quality Management Planning MIDEQ-CWS-Huron Creek Watershed	Michigan Department of Environmental Quality	2006-0162	3,478
66.606	Water Environment Research WATER-SFI-Removal & Sustainability	Water Environment Research Foundation	LOA/DEC12U06	<u>1,970</u>
Total U.S. Environmental Protection Agency				<u>20,251</u>
U.S. Department of Energy				
81.049	Office of Science Financial Assistance Program UNIVE-ESC-FFC-Elvtd CO2 & O3 COLOR-EPSSI-North Hem P Auger Co	University of Nevada-Reno Colorado State University	UNR-08-15 AMEND-1 G-0113-1	5,554 <u>62,040</u>
81.087	Renewable Energy Research and Development ROCHE-MuSTI-GRA-Visual Fuel Cell ROCHE-MuSTI-Visual Fuel Cell CONSO-FFC-Yr 1 BRC-Genetic Master BALLA-APSRC-Microstructural CONSO-FFC-BRC- Yr 2 Genetic Master	Rochester Institute of Technology Rochester Institute of Technology Consortium Plant Biotechnology Research Inc Ballard Power Systems Consortium Plant Biotechnology Research Inc	30672-01 30672-01 AGMT #G012026-269 BMP/MTU AGRMT DATED 5/7/10 AGMT #G012026-269	13,029 178,960 3,384 20,902 <u>48,274</u>
Total U.S. Department of Energy				<u>264,549</u>
Total U.S. Department of Energy				
U.S. Department of Education				
84.116	Fund for the Improvement of Postsecondary Education NORTH-BRC-FFC-Transatl Grad Degree NORTH-BRC-FFC-Mobilty Stip-Transatl	North Carolina State University North Carolina State University	2008-1905-01 2008-1905-01	1,358 <u>36,000</u>
Total U.S. Department of Education				<u>37,358</u>
U.S. Department of Health and Human Services				
93.233	National Center on Sleep Disorders Research UNIVE-Slp Disorder Breathing Chldrn	University of Michigan	SUBCONTRACT #F011919 AMD 5	<u>36,566</u>
93.279	Drug Abuse and Addiction Research Programs JOHNS-BRC-Behav Pharm GHB Phy Dep	The Johns Hopkins University	2000764078	<u>17,201</u>
93.701	ARRA-TRANS-NIH RECOVERY ACT RESEARCH SUPPORT UNIVE-ARRA-MTRI-VF Doppler	University of Michigan	3001408483	<u>5,901</u>
93.837	Cardiovascular Diseases Research PENNS-MuSTI-Small Blood Pumps	Pennsylvania State University	SUBAWARD #HL060276	<u>23,554</u>
93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research PROTE-BRC-BI Br PH as Anabol Bone A	Proteos Inc	PROTEOS PO #1994	<u>49,175</u>
93.865	Child Health and Human Development Extramural Research MAYOM-BRC-Yr 4-Microsensr Intramusc	Mayo Clinic Rochester	5R01HD031476-10 MTU	<u>22,855</u>
Total U.S. Department of Health and Human Services				<u>155,252</u>
Total Research and Development Programs - Pass-through Programs with CFDA Numbers				<u>1,540,564</u>

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MICHIGAN TECHNOLOGICAL UNIVERSITY
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For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Research and Development Programs - Continued				
Direct Programs with no CFDA Number				
U.S. Department of Agriculture				
10.unk	No CFDA Number			
	USAGR-Arch Coll Ottawa Natl Forest	-n/a-	06-CS-11090700-027	\$ 859
	USAGR-Carbon/Nitrogen Cycle Rsch.	-n/a-	04-CR-11231300-027-MOD NO. 1	(862)
	USAGR-CWS-SFI-Spsr-Fed Biomass Rmvl	-n/a-	07-JV-11242300-154	473
	USAGR-ESC-Dev Forst Pln Soil Qlty	-n/a-	06-CS-11221662-158	201
	USAGR-ESC-FFC-Carbon H2O & Soils	-n/a-	09-CR-11242306-048	59,648
	USAGR-ESC-FFC-Custer NF Reg 1 Soil	-n/a-	08-CS-11010800-026, MTU#080726	10,805
	USAGR-ESC-FFC-Distgd Ecologist Lect	-n/a-	08-CS-11242306-106	2,071
	USAGR-ESC-FFC-Red Pine Thinning	-n/a-	09-JV-11242307-009 MOD 1	37,594
	USAGR-ESC-FFC-Spnsr-Soil Monitoring	-n/a-	07-CS-11221662-307	68,947
	USAGR-ESC-GRAD Dev Forst Pln Soil Q	-n/a-	06-CS-11221662-158	7,598
	USAGR-ESC-Jck Pine Seedlg Watersmt	-n/a-	SRS 05-CA-11330122-203 AMEND 1	(456)
	USAGR-FFC-Ecolg Unit Map Pacif SW	-n/a-	SUB AGREMNT 07-JV-11052007-227	33,495
	USAGR-FFC-ESC-Analysis of Red Pine	-n/a-	RJVA #05-JV-11231300-043MOD1&2	17,892
	USAGR-Historical/Modern Vegetation	-n/a-	04-PA-11090100-020 MOD 1 & 2	59,845
	USAGR-Inter Fungi Plant Nutr/Grw	-n/a-	07-CR-11242300-056	84,608
	USAGR-Sign Guides ATV v UTV	-n/a-	AG-3187-C-09-0016	110,232
	USDA-ESC-FFC-2nd Decade: Aspen FACE	-n/a-	06-JV-11231300-028-MOD 1	19,737
	USFOR-ESC-FFC-Restor Fens San Juan	-n/a-	07-CS-11021306-026	1,517
	USDA-ESC-Effect of Earth Worms	-n/a-	06-HV-11231300-101	3,435
	USAGR-Archaeolog Ottawa Natl Forest	-n/a-	06-CS-11090700-027	377
	USFOR-FFC-Pac SW Ecol Unit Mapping	-n/a-	08-JV-11052007-231	21,063
	USAGR-ESC-FFC-Yr 1-Veg Isle Royale	-n/a-	09-JV-11242305-058	6,032
	USAGR-ESC-FFC-Nat'l Soil Carbon Net	-n/a-	09-CR-11242306-086	3,554
	USAGR-FFC-ESC-Red Pine Thinning	-n/a-	09-JV-11242307-009 MOD 1	33,438
	USAGR-FFC-ESC-Soil Monitoring/Inv	-n/a-	09-CS-11091000-023	3,418
	USAGR-ESC-FFC-Sp-Peatlands Env Chg	-n/a-	09-JV-11242306-087	10,969
	USAGR-FFC-ESC-Insects Carbon Nit	-n/a-	09-CR-11242313-108	6,897
	USFOR-08-COOP Mgt Archaeology HNF	-n/a-	05-CS-11091000-021 MOD # 03	857
	USAGR-ESC-FFC-North Eco Experiment	-n/a-	10-JV-11242313-051	29,680
	USAGR-Upland Peatland Watershed	-n/a-	10-JV-11242307-068	2,419
Total U.S. Department of Agriculture				636,343
U.S. Department of Defense				
12.unk	No CFDA Number			
	OFFIC-CISSIC-FNR-Hghly Ing'd Mil	-n/a-	N00421-09-D-0003, DO # 0001	184,985
	OFFIC-FNR-Hghly Ing'd Mil	-n/a-	N00421-09-D-0003, DO # 0001	58,614
	TACOM-Assured Mb II Rt Clearance	-n/a-	W56HZV-08-C-0525 WD AMMS-003	20,552
	TACOM-Assured Mb II V-Hull Armor	-n/a-	W56HZV-08-C-0525 WD AMMS-004	116,211
	TACOM-Assured Mob VCM Roller Suspen	-n/a-	W56HZV-08-C-0525 WD AMMS-005	364,683
	TACOM-Assured Mobil.-Hvy VCM Roller	-n/a-	W56HZV-08-C-0525 WD AMMS-008	59,217
	TACOM-Assured Mobility SPARK W#AM14	-n/a-	W56HZV-04-C-0643 P00013 WD14	30,664
	TACOM-Assured Mobility2-EDEN Device	-n/a-	W56HZV-08-C-0525 WD AMMS-001	82,429
	TACOM-Assured Mobility2-M1 Plw Pmp	-n/a-	W56HZV-08-C-0525 WD AMMS-002	75,459
	TACOM-Assured Mobil-SIM/SID Threat	-n/a-	W56HZV-08-C-0525 WD AMMS-007	436,641
	TACOM-Assured Mobil-VCM Roller Solt	-n/a-	W56HZV-08-C-0525 WD AMMS-010	412,632
	TACOM-Assured Mobil-ATO SPARK HdwDev	-n/a-	W56HZV-08-C-0525 WD AMMS-009	133,240
	TACOM-Assured Mob-VCM Roller Tech	-n/a-	W56HZV-08-C-0525 WD AMMS-006	851,234
	TACOM-Assured Mobility SIM WD#AM13	-n/a-	W56HZV-04-C-0643 P12 WD#13	(1,000)
	USARM-SURGE WD #32 Hybrid Phase 3	-n/a-	DAAE07-00-L052 MOD P00027 WD32	140,405
	USARM-Surge WD#30 Durability Stands	-n/a-	DAAE07-00-C-L052 P24 WD#30	82,121
	USARM-Surge-WD#29 Hybrid Phase II	-n/a-	DAAE07-00-C-L052 P24 WD#29	(83)
	OFFIC-CISSIC-FNR-Hghly	-n/a-	N00421-09-D-0003, DO # 0001	703,917
	OFFIC-CISSIC-FNR-Hi Int Optical Int	-n/a-	N00421-09-D-0003 DO#0002	191,197
	OFFIC-CISSIC-FNR-Hi Intg'd Optical	-n/a-	N00421-09-D-0003 DO#0002	68,680
	OFFIC-Surge II-Track & Suspension	-n/a-	W56HZV-09-C-0477 MTU-TSS-001	5,144
	OFFIC-Surge II-XT161 Susp Improve	-n/a-	W56HZV-09-C-0477 WD-MTU-TSS 02	105,731
	OFFIC-SURGE II-LW Metallic Track	-n/a-	W56HZV-09-C-0477 WD TSS-003	243,308
	TACOM-Assured II- SPARK Testing	-n/a-	W56HZV-08-C-0525 MTU-AMMS-011	178,880
	Standardize SPARK Testing	-n/a-	W56HZV-08-C-0525 MTU-AMMS-012	39,239
	TACOM-ASSURED II Husky Modules	-n/a-	W56HZV-08-C-0525 MTU-AMMS-013	130,649
	OFFIC-Surge II-Metallic Track 001AD	-n/a-	W56HZV-09-C-0477 WD TSS-003	60,000
	OFFIC-SURGE II-Metallic Track 001AC	-n/a-	W56HZV-09-C-0477 WD TSS-003	2,230
	OFFIC-Arctic I&W	-n/a-	HR0011-09-C-0076	79,651

Continued

MICHIGAN TECHNOLOGICAL UNIVERSITY
Schedule of Expenditures of Federal Awards (Continued)
For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Research and Development Programs - Continued				
Direct Programs with no CFDA Number - Continued				
U.S. Department of Defense - Continued				
12.unk	No CFDA Number - Continued			
	OFFIC-CISSIC-Yr1&2-6.1Atmosphrc Sns	-n/a-	W911NF-06-2-0029	\$ (6,380)
	OFFIC-CISSIC-Yr3-Atmosphrc Sensing	-n/a-	W911NF-06-2-0029	459,818
	OFFIC-FNR-Boatview	-n/a-	HR0011-09-C-0067	321,269
	OFFIC-HURRT	-n/a-	W911NF-06-2-0029 MOD NO P00005	9,250
	OFFIC-MRAP Vehicle Protection	-n/a-	P00003 P00004 W911NF-06-2-0029	174
	OFFIC-MTRI-Yr 3 Atmospheric Sensing	-n/a-	W911NF-06-2-0029	5,600
	USAIR-LACOSTE (Ph II)	-n/a-	FA8750-05-C-0237 P00007	57,627
	USAIR-MTRI-Bistatic RadarSat	-n/a-	FA8750-05-C-0237 P00007	34,885
	USAIR-MTRI-RadarSet GMTI	-n/a-	FA8750-05-C-0237 P00007	84,673
	USAIR-MTRI-Windmill RADAR	-n/a-	FA8750-05-C-0237 P00007	158,003
	OFFIC-Powerline Sensor Maturation	-n/a-	W9132T-10-C-0026	77,125
	OFFIC-MuSTI-Study Struc Resp Mat	-n/a-	W911NF-09-2-0026	58,323
	OFFIC-MTRI River Sentinel	-n/a-	FA8750-05-C-0237 P00007	397,775
	OFFIC-MTRI RF Sensing	-n/a-	FA8750-05-C-0237 P00007	31,008
	E3SPA - Movie Creation	-n/a-	FA8750-05-C-0237 P00007	148,323
	USAIR-Lumsdaine USAFA IPA	-n/a-	4/13/10 ASSIGNMENT AGMT	924
	OFFIC-Power Line Comms	-n/a-	W15P7T-06-D-P228/0003	128,136
	USARM-EPSSI-FNR-CHARTS Data Study	-n/a-	W912HZ-10-C-0021	4,486
	USARM-FNR-CHARTS Data Study	-n/a-	W912HZ-10-C-0021	6,000
	OFFIC-Riverine Imaging	-n/a-	W911NF-10-2-0069	5,187
	OFFIC-Riverine Imaging - Thelen	-n/a-	W911NF-10-2-0069	2,156
	OFFIC-SURGE II - VEA	-n/a-	W56HZV-09-C-0477 MTU-TSS-004	677
	OFFIC-SURGE II - GVPM	-n/a-	W56HZV-09-C-0477 MTU-TSS-004	20,371
	OFFIC-SURGE II-XT161 Insp Proc	-n/a-	W56HZV-09-C-0477 WDMTU-TSS-005	2,255
	TACOM-Assured MBII-Iron Scrape Dev	-n/a-	W56HZV-08-C-0525 MTU-AMMS-014	31,903
	TACOM-Assured MBII-Noise & Vibes	-n/a-	W56HZV-08-C-0525 MTU-AMMS-015	96,434
Total U.S. Department of Defense				6,992,632
U.S. Department of Interior				
15.unk	No CFDA Number			
	USPAR/ESC - Wolf-Moose Monitoring	-n/a-	H6000C02000-J631005N004/001&2	31,522
	USPAR-ESC-FFC-Invas Plnts-Pict Rock	-n/a-	H6000082000 TASK J6320080002	(3,501)
	USPAR-ESC-FFC-Invs Plants-Pict Rcks	-n/a-	H6000082000 TASK J6320080002	40,949
	USPAR-ESC-FFC-Isotope Analys Use Cg	-n/a-	TASK AGMNT J6480070586/0001	453
	USPAR-ESC-FFC-Wolf Moose Monitoring	-n/a-	H6000C02000-J631005N004/001&2	49,316
	USPAR-ESC-Impacts of Alum Toxicity	-n/a-	J5460070154/0003	8,481
	USPAR-RSI-Zooplankter Park	-n/a-	H6000082000 TASK J6067080012	82,441
	USPAR-ESC-FFC-Vernal Pools Pic Rcks	-n/a-	H6000082000 J6320096201	15,549
	USGEO-Soil Moisture Biomass Alaska	-n/a-	ORDER NO. G10PX00542	14,110
Total U.S. Department of Interior				239,320
U.S. Department of Transportation				
20.unk	No CFDA Number			
	USTRA-MTTI-Taking Action-Traffic Sf	-n/a-	DTFH61-07-P-00241	33,845
	USTRA-MTTI-Bridge Cond Assesmnt RS	-n/a-	DTOS59-10-H-00001	92,571
	USTRA-Bridge Cond Assessment RS	-n/a-	DTOS59-10-H-00001	124,406
Total U.S. Department of Transportation				250,822
National Aeronautics and Space Administration				
43.unk	No CFDA Number			
	NASA/RSI - Ice Nucleation	-n/a-	NNG04GR41G SUPPL 1	43,031
	NASA-GRA-Ice Nucleantion of Org Cmp	-n/a-	NNG04GR41G SUPPL 1	194
	USNAS-Carbon Emissions fr Wildfire	-n/a-	NNX08AK69G	137,981
	USNAS-CSERI-Pic of the Day	-n/a-	NNX09AD32G	57,289
	USNAS-MuSTI-Spnr Multi Grpht Epxy	-n/a-	NNX07AU58A	79,969
	USNAS-NSR-APS-Micrograv Terrest Env	-n/a-	NNC04GB52G-SUPPL NO. 1-4	6,552
	USNAS-RSI-Biomass Burning	-n/a-	NNX07AR26G	124,948
	USNAS-NSR-APS-Micr Grav/Terrest Env	-n/a-	NNC04GB52G-SUPPL NO. 1-4	128
	USNAS-Est Emission Volcan	-n/a-	NNX08AF80G	58,334
	USNAS-EPSSI-Vald OMI L2 Sulfur Diox	-n/a-	NNX09AJ40G	71,535

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MICHIGAN TECHNOLOGICAL UNIVERSITY
Schedule of Expenditures of Federal Awards (Continued)
For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Research and Development Programs - Continued				
Direct Programs with no CFDA Number - Continued				
National Aeronautics and Space Administration - Continued				
43.unk	No CFDA Number - Continued			
	USNAS-APSRC-Heat Trans Evap Films	-n/a-	NNX09AM31G	\$ 6,601
	USNAS-MuSTI-Mdl Polymer Nanocompost	-n/a-	NNX09AM50A	45,424
	USNAS-Vulnerability NA Boreal Peat	-n/a-	NNX09AM15G	120,636
	USNAS-Feasibility of Map	-n/a-	NNX09A017G	75,015
	USNAS-Multi-Scale Water Quality Grt	-n/a-	NNX09AU88G	128,385
	USNAS-Impact Implication Fire Tund	-n/a-	NNX10AF41G	21,224
	USNAS-IMP-FNR-NDS MMC Samples	-n/a-	ORDER NO NNG10RD08P	12,490
	USNAS-APS-Flight Exp & 2 Phase Sys	-n/a-	NNX10AJ59G	35,486
Total National Aeronautics and Space Administration				1,025,222
National Science Foundation				
47.unk	No CFDA Number			
	NATIO-NSF-CAREER-Model-Nxt-Gen-Sys	-n/a-	CCF-0643664	10,838
	NATIO-NSF-GRA-CAREER-Mdl-Nxt-Gen	-n/a-	CCF-0643664	48,349
	NSF-Morph/Stability/Paleointensity	-n/a-	EAR-0711453	89,438
	NSF-MTTI-DRU Collaborative Research	-n/a-	SES-0624118	48,691
	NSF-MTTI-REU-DRU Collaborative Rsch	-n/a-	SES-0624118	1,502
	NSF-RSI-Air Snowpack Exch	-n/a-	ARC-0713992	51,702
	NSF-RSI-Air Snowpack Exchanges	-n/a-	ARC-0713992	(2,958)
	NSF-REU-Morphology Stability Pale	-n/a-	EAR-0711453	5,413
Total National Science Foundation				252,975
U.S. Department of Energy				
81.unk	No CFDA Number			
	USENE-CNLM-Allen-Ctr Rsch Nano Mtl	-n/a-	DE-FG36-08GO88104	(5,874)
	USENE-CNLM-Center Rsch Nano Mtl	-n/a-	DE-FG36-08GO88104	157,960
	USENE-CNLM-Ctr Rsch Nano Mtl	-n/a-	DE-FG36-08GO88104	201,563
	USENE-CNLM-GRA-Ct Rsch Nano	-n/a-	DE-FG36-08GO88104	19,744
	USENE-ESC-Yr 1&2- Midwest Center	-n/a-	DE-FC02-06ER64158 A005	(3,206)
	USENE-RSI-Yr11-High Energy	-n/a-	DE-FG02-99ER41107-AMD A008	236,899
	USENE-Yr 10-Hgh Energy Astrophysics	-n/a-	DE-FG02-99ER41107-AMD A008	(18,612)
	USENE-ESC-Subs NICCR	-n/a-	DE-FC02-06ER64158 A005	1,086,870
	USENE-ESC-FFC-Yr 3-Midwest	-n/a-	DE-FC02-06ER64158 A005	61,516
	USENE-ESC-FFC-Yr 4-Midwest	-n/a-	DE-FC02-06ER64158 A005	1,894
	USENE-RSI-Yr12-High Energy	-n/a-	DE-FG02-99ER41107-AMD A008	71,284
	SAVAN-IMP-Fabricate Glass Samples	-n/a-	MTU CO & PO #AC73313A	3,963
Total U.S. Department of Energy				1,814,001
Total Research and Development Programs - Direct Programs with no CFDA Numbers				11,211,315
Pass-through Programs with no CFDA Numbers				
U.S. Department of Defense				
12.unk	No CFDA Number			
	BMTDE-MuSTI-Cr Pnd Ctrl Sys Des Dem	BMT Designers & Planners Inc	#N00178-04-D-4023-25 TI039	75,891
	DCMRS-CISSIC-FNR-Next Gen Sensor	DCM Research Resources, LLC	DCM SUBCONTRACT #005-1	281
	ERCIN-FRC Translation for Space Prp	ERC, Inc.	SUBCONTRACT & PO #RS090332	17,928
	INTEG-LR Target Id SBIR	Integrity Applications Incorporated	IAI AGREEMENT	11,760
	INTEG-RF Tomography IED Threat Redn	Integrity Applications Incorporated	SUBCNTRCT#FA8650-09-M-1549-01	15,942
	SETCO-MTRI-Constr Sparse Inverse	SET Corporation	SUB #SET-2007-0021	36,247
	UNIVE-CISSIC-Frame/Arch Human Robot	University of Michigan	SUBCONTRACT #3001058153	24,995
	VIOIN-Develop Wearable POV Vid Sys	V.I.O., Inc.	MTU AGREEMENT 080908	16,871
	DYNET-MYRIAD Task Order 005 Hybrid	Dynetics, Inc.	DYNETICS PO #PB000802	108,595
	AEROP-Perigrine SBIR	Aerophysics	SUBCONTRACT AGREEMENT	13,742
	DECIS-MTRI-Alg All-Weather Imaging	Decisive Analytics Corporation	PO 2242001001	6,926
	GEORG-Advanced Electromag Sys Amd 6	Georgia Institute of Technology	SUB #D-5810-S1 AMD 6	28,852
	GEGLO-IEM-Model Sim Nanodielectric	GE Global Research Center	GE PO #400017739	41,380
	IAI-MTRI-RF Tomography Phase 2	Integrity Applications, Inc.	FA8650-10-C-1718-01	6,872
	IAI-MTRI-Long Range Target ID Ph2	Integrity Applications Incorporated	FA8650-10-C-1704-01	5,885

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MICHIGAN TECHNOLOGICAL UNIVERSITY
Schedule of Expenditures of Federal Awards (Continued)
For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Research and Development Programs - Continued				
Pass-through Programs with no CFDA Numbers - Continued				
U.S. Department of Defense - Continued				
12.unk	No CFDA Number - Continued			
	SERCO - X-6	Serco Services Inc.	AUTHORIZATION TO PROCEED	\$ 78,000
	SCIEN-Next Gen Mod 12	Science Applications International Corporation	SUB #4400141917 MOD 12	8,383
	MOTTC-MuSTI-SWO-IOFIS Phase 1	Mott Community College	MTU/MCC AGREEMENT	46,874
	ACADE-REAP 2009	Academy of Applied Science	CHECK #1149 06/18/09	5,200
	ACADE-REAP 2009 9-1-09 102, 130,129	Academy of Applied Science	REAP AGRMT 09-105,130,129	3,914
	GENER-Lightweight Steel Track Marin	General Dynamics	GD PO #40076930	201,070
	BATTE-Counter RPG	Battelle Columbus Operations	SUB AGRMT #TCN 09175	672,378
	INCIT-BRC-Sp-Biofuel fr Algae Arays	Incitor Incorporated	INCITOR AGRMT #6-09	105,226
	EE SD-C/MIT Lincoln Lab/RHESM/FPT	MIT	-n/a-	12,634
	CRAFT-MuSTI-Shp Lnchd Aerial Del Sy	Craft Engineering Associates Inc	MTU SBIR AGRMT & PO #X0602	48,115
	GENER-SRV5	General Dynamics Advanced Information Systems	SUB #200791Y10	10,482
	SCIEN-MTRI-DO4	Science Applications International Corporation	SUB #4400149824	26,904
	SCIEN-Visibuilding (VB111) P2	Science Applications International Corporation	SAIC SUB #4400154387 MOD 3	76,729
	TELED-CISSIC-EXACTO	Teledyne Scientific Company, LLC	TELEDYNE #G9U572791	74,093
	HELIO-MDA Phase 1 SBIR	Helios Remote Sensing Systems	SUB #1065-S01-HRSSI	475
	MATSY-IEM-Enthalpy Release Struct	MATSYS Inc.	MATSYS AGRMT #SA-09-11	29,277
	SCIEN-MTRI-DO4- P 1-5	Science Applications International Corporation	SUB #4400149824	81,308
	SCIEN-FNR Info Fusion Test Bed Tech	Science Applications International Corporation	SUBCONTRACT #P010025638	10,000
	MISCE-CONFIDENTIAL-Nickel	Miscellaneous Customers & Grantors	SUBCONTRACT #P010028631	114,635
	SCIEN-Visibuilding VB111 Task 2	Science Applications International Corporation	SAIC SUB #4400154387 MOD 3	104,551
	SCIEN-Visibuilding VB111 Task 3	Science Applications International Corporation	SAIC SUB #4400154387 MOD 3	117,351
	SCIEN-Visibuilding VB111 Task 4	Science Applications International Corporation	SAIC SUB #4400154387 MOD 3	61,763
	SCIEN-Visibuilding VB111 Task 5	Science Applications International Corporation	SAIC SUB #4400154387 MOD 3	5,621
	CONFIDENTIAL	Science Applications	P010038798	5,405
	SCIEN-FNR-Info Fusion Test Bed	Science Applications International Corporation	SUBCONTRACT #P010025638	23,533
Total U.S. Department of Defense				2,336,088
U.S. Department of Interior				
15.unk	No CFDA Number			
	WISCO-No Wi Lakes Lakeshore Rest Pr	Wisconsin Dept of Natural Resources	PO #NMI00000117	(272)
	WISCO-FFC-ESC-No WI Laks Sh Rest P6	Wisconsin Dept of Natural Resources	PO #NMJ00000167	6,228
	WISCO-FFC-ESC-No WI Laks Sh Rest P7	Wisconsin Dept of Natural Resources	PO#NMJ00000225 & PO#NMA0000039	58,441
	WISCO-FFC-ESC-Lakeshore Restoration	Wisconsin Dept of Natural Resources	PO#NMJ00000225 & PO#NMA0000039	9,393
Total U.S. Department of Interior				73,790
U.S. Department of Transportation				
20.unk	No CFDA Number			
	MINNE-MTTI-Field Eval Rigid Pv Curl	Minnesota Department of Transportation	CONTRACT #89258 WO NO. 1	39,062
	MITRA-MTTI-Carbon Emsns Rd Constrtn	Michigan Department of Transportation	2006-0414 AUTHOR Z22	90,195
	MITRA-MTTI-Cntr for Structural Dur	Michigan Department of Transportation	2006-0414 AUTHORIZATION 18	8,121
	MITRA-MTTI-GRA-Warm Mix Asphalt Eval	Michigan Department of Transportation	2006-0414 AUTH 21	23,041
	MITRA-MTTI-Hydrated Paste Cement	Michigan Department of Transportation	2006-0414 AUTH 10 JOB#108484	65,930
	MITRA-MTTI-Recycled Concrete	Michigan Department of Transportation	CONTRACT 2006-0414 AUTH 12	106,017
	MITRA-MTTI-Warm Mix Asphalt Eval	Michigan Department of Transportation	2006-0414 AUTH 21	63,011
	MITRA-MTTI-Concrete Pavements	Michigan Department of Transportation	2003-0063 #20/R1 JOB #101997	15,914
	MITRA-MTTI-Ctr Structural Durabilit	Michigan Department of Transportation	2006-0414 AUTHORIZATION Z18R1	20,082
	MITRA - Alternative Materials	Michigan Department of Transportation	2009-0750 AUTH Z1	55,587
	MITRA-MTTI-Local Road Safety	Michigan Department of Transportation	2009-0750 AUTHORIZATION Z3	17,866
	WISCO-MTTI-CIP Piling Properties	Wisconsin Department of Transportation	PROJECT ID: 0092-09-04	35,606
	MITRA-ARRA-Energized Crane	Michigan Department of Transportation	EMAIL FROM J COOPER 9/1/09	1,249
	MISSI-Env Corridor Planning	Mississippi State University	191000-363813-01	36
	MITRA-MTTI-Dev Test Fine, Course Ags	Michigan Department of Transportation	CONTRACT #2006-0414 AUTH. 8	12,418
	MITRA-MTTI-CS-Dev Test Fine, Course	Michigan Department of Transportation	CONTRACT #2006-0414 AUTH. 8	11,632
	NATIO-MTTI-Fly Ash Specs Hwy Concre	National Academies	NAS CONTRACT #HR 18-13 MOD #2	177,471
	OHIOS-Border Crossing & Gateway	Ohio State Univ Research Foundation	PO RF01096863/PJT 60011901	81,886
	OHIOS-Border Crossings & Gateways	Ohio State Univ Research Foundation	PO RF01096863/PJT 60011901	13,092
	UNIVE-MTTI-MModal Grnhse Opt Tmb Sh	University of Wisconsin-Superior	UNIVERSITY #144-051041-4	40,091
Total U.S. Department of Transportation				878,307

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MICHIGAN TECHNOLOGICAL UNIVERSITY
Schedule of Expenditures of Federal Awards (Concluded)
For the Year Ended June 30, 2010

CFDA Number	Federal Program Name	Pass-through Entity	Contract Number	Federal Expenditures
Research and Development Programs - Continued				
Pass-through Programs with no CFDA Numbers - Continued				
National Aeronautics and Space Administration				
43.unk	No CFDA Number			
	UNIVE-APSRC-MSGC-Sp-Defl-Det RF Pls	University of Michigan	U OF M MSGC CK #2000433	\$ 4,396
	UNIVE-CHANGES IN FFT P3	University of Maryland, College Park	SUBAWARD NO Z627202 AMEND C	3,178
	UNIVE-Impact of Fire & Insect Dstrb	University of Maryland, College Park	SUBAWARD NO Z638701	13,713
	UNIVE-MSGC-Sp-Launch Veh Vibe Damp	University of Michigan	U OF M CK #2000433	4,946
	UNIVE-MSGC-Sp-Microsatel Constelatin	University of Michigan	U OF M CK #2000433	2,375
	NATIO-Linking NASA Sat Data	National Institute of Aerospace	X09-7059-MTU	27,452
	UNIVE-MuSTI-MSGC-Sp-Nano Mtsl H Sto	University of Michigan	U OF M CK #2000433 MSGC	4,713
	UNIVE-MSGC-Sp-Infred Spc Tr Volc Pl	University of Michigan	U OF M CK #2000433	4,252
	UNIVE-MSGC-Sp-Biomtic Des LD Foams	University of Michigan	U OF M MSGC CK #2000433	4,796
	UNIVE-MSGC-Sp-Astronaut Antiox Dev	University of Michigan	U OF M MSGC CK #2000433	5,000
	UNIVE-ADVANCE-Exp & Use ASTER URP	University of Pittsburgh	AWARD #0008149	40,245
	UNIVE-MSGC-BRC-FNR- Mental Stress	University of Michigan	CHECK #2214175	1,530
	UNIVE-MSGC-ESC-FNR-Patchy Ecosystem	University of Michigan	CHECK #2214175	80
	UNIVE-MSGC-FNR-Structural Fiber Sen	University of Michigan	CHECK # 2214175	558
Total National Aeronautics and Space Administration				117,234
National Science Foundation				
47.unk	ARRA- No CFDA Number			
	INTEG-ARRA-Optical Band Gap Mtls Dv	Integrated Photonics Inc	P.O. NO. NJ1374	61,317
U.S. Environmental Protection Agency				
66.unk	No CFDA Number			
	LESKT-IMP-Tailings to Shingles Ph 2	Lesktech, Limited	MTU AGREEMENT #071032	10,315
U.S. Department of Energy				
81.unk	No CFDA Number			
	ARGON-APS-Internal Comb Engines	Argonne National Laboratory	SUBCONTRACT #8F-01921 M005	30,037
	ARGON-EcoCAR NeXt Challenge	Argonne National Laboratory	AM SOC FOR ENG ED INC.CK 45152	11,691
	LAWRE-PERC-Broadbd over Powerline	Lawrence Livermore National Security, LLC	LLNS SUBCONTRACT #B579701	92,878
	UCHIC-Argonne Guest Gr Appt Yr 3	UChicago Argonne, LLC	SUB #7F-00961 M0002/75-00961	42,858
	AMERI-SFI-C5 Ferment Improve	American Process Incorporated	MTU SUBAWARD	15,988
	LOSAL-RSI-FNR-Iso Trac Climate Rel	Los Alamos National Laboratory	77219-001-009	28,249
	LOSAL-EPSSI-Collection Carbonaceous	Los Alamos National Laboratory	SUBCONTRACT #85842-001-10	10,545
	MIECO-SFI-FFC-Task C7	Michigan Economic Development Corporation	DOC-2105 AND PO 1672	38,288
	MIECO-SFI-FFC-Task A1	Michigan Economic Development Corporation	DOC-2105 AND PO 1672	16,120
	MIECO-SFI-First Bio Task B4	Michigan Economic Development Corporation	DOC-2105 AND PO 1672	22,706
	MIECO-FFC-SFI-Bio Tsk A2	Michigan Economic Development Corporation	DOC-2105 AND PO 1672	3,758
	MIECO-SFI-FFC-Bio Task B3	Michigan Economic Development Corporation	DOC-2105 AND PO 1672	2,746
	MIECO-SFI-Task B1-Biofuel	Michigan Economic Development Corporation	DOC-2105 AND PO 1672	1,310
Total U.S. Department of Energy				317,174
U.S. Department of Education				
84.unk	No CFDA Number			
	UNIVE-Const Mgmt Yr 3	University of Washington	GRANT #614064	48,194
	HIGHE-CWS-ADV ACCT-Chiapas Oaxaca	Higher Education For Development	SUB COOP AGMT DTD 2/16/09	12,575
Total U.S. Department of Education				60,769
U.S. Department of Health and Human Services				
93.unk	No CFDA Number			
	CFDRE-BRC-NP Agts In Vivo Tumor Img	CFD Research Corporation	CDFRC SUBCONTRACT #961	4,368
	MATSY-IEM-Struct Reactive Mtls Chrc	MATSYS Inc.	HDTRA1-07-C-0001 SUBCONTRACT	4,030
Total U.S. Department of Health and Human Services				8,398
Total Research and Development Programs - Pass-through Programs with no CFDA Number				3,863,392
Total Research and Development Programs				27,676,316
Total Expenditures of Federal Awards				\$ 77,614,499

See accompanying notes to schedule of expenditures of federal awards.

MICHIGAN TECHNOLOGICAL UNIVERSITY

Notes to Schedule of Expenditures of Federal Awards

1. BASIS OF PRESENTATION

The accompanying Schedule of Expenditures of Federal Awards includes the federal grant activity of Michigan Technological University and is presented on the accrual basis of accounting.

The information in this schedule is presented in accordance with the requirements of OMB Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations*. Therefore, some amounts presented in this schedule may differ from amounts presented in, or used in the preparation of, the financial statements.

2. SUBRECIPIENTS

Of the Federal expenditures presented in the schedule, Michigan Technological University provided federal awards to subrecipients, as follows:

<u>Program Title</u>	<u>CFDA Number</u>	<u>Amount Provided to Subrecipients</u>
Grants for Agricultural Research- Competitive Research Grants	10.206	\$ 25,981
Forest Health Protection	10.680	186,850
U.S. Department of Defense	12.unk	540,206
Secure Rural Schools and Community Self-Determination	15.234	21,210
U.S. Department of Transportation	20.unk	151,033
National Aeronautics and Space Administration	43.unk	30,450
National Science Foundation	47.unk	827
Engineering Grants	47.041	22,012
Geosciences	47.050	19,286
Biological Sciences	47.074	38,708
Education and Human Resources	47.076	846,262
Trans-NSF Recovery Act Research Support	47.082	1,226
Office of Science Financial Assistance Program	81.049	1,525,092
U.S. Department of Energy	81.unk	37,631

MICHIGAN TECHNOLOGICAL UNIVERSITY

Notes to Schedule of Expenditures of Federal Awards

<u>Program Title</u>	<u>CFDA Number</u>	<u>Amount Provided to Subrecipients</u>
Renewable Energy Research and Development	81.087	\$ 23,157
Fund for the Improvement of Postsecondary Education	84.116	15,934
U.S. Department of Education	84.unk	11,562
Improving Teacher Quality State Grants	84.367	4,662
Trans-NIH Recovery Act Research Support	93.701	85,065
Child Health and Human Development Extramural Research	93.865	17,580

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MICHIGAN TECHNOLOGICAL UNIVERSITY

Schedule of Findings and Questioned Costs

For The Year Ended June 30, 2010

SECTION I – SUMMARY OF AUDITORS’ RESULTS

Financial Statements

Type of auditors’ report issued: Unqualified
Internal controls over financial reporting:
Material weakness(es) identified?
Significant deficiency(ies) identified?
Noncompliance material to financial statements noted?

Federal Awards

Internal control over major programs:
Material weakness(es) identified?
Significant deficiency(ies) identified?
Type of auditors’ report issued on compliance for major programs: Unqualified
Any audit findings disclosed that are required to be reported in accordance with Circular A-133, Section 510(a)?

Identification of Major Programs

CFDA Number(s) Name of Federal Program or Cluster
84.007, 84.033, 84.038, 84.063, 84.268, 84.375, 84.376 Student Financial Assistance Cluster
Various Research and Development Cluster
11.300 UPPCO Renovation

Dollar threshold used to distinguish between Type A and Type B programs: \$ 2,328,435
Auditee qualified as low risk auditee?

MICHIGAN TECHNOLOGICAL UNIVERSITY

Schedule of Findings and Questioned Costs (Concluded)

For The Year Ended June 30, 2010

SECTION II – FINANCIAL STATEMENT FINDINGS

None

SECTION III – FEDERAL AWARDS FINDINGS

**Finding 2010-1 – Immaterial Noncompliance/Significant Deficiency in Internal Control over Compliance
Various U.S. Departments and Agencies
Various CFDA #'s Research and Development Cluster
Procurement, Suspension and Debarment**

Criteria. OMB Circular A-133, requires non-federal entities entering into a covered transaction with an entity at a lower tier to verify that the entity at the lower tier is not suspended or debarred or otherwise excluded. This may be accomplished by 1) checking the Excluded Parties List System at www.epls.gov; or 2) collecting a certification from the entity; or 3) adding a clause or condition to the vendor's contract.

Condition. During our audit, it came to our attention that the University has procedures in place to check the extended parties list system at [http://www.epls.gov/](http://www.epls.gov) for consultants and subrecipients. However, the University does not check the system for other types of vendors.

Cause. This appears to be a simple oversight of program requirements.

Effect. As a result of this condition, the University was exposed to an increased risk that it might unintentionally disburse federal funds to a suspended or debarred party.

Questioned Costs. No costs were required to be questioned as a result of this finding, inasmuch as no actual disbursements to suspended or debarred parties were identified during our audit.

Recommendation. We recommend that the University check the extended parties list system to verify that all vendors receiving at least \$25,000 in federal funds are not suspended or debarred. We also recommend that the University document this verification.

View of Responsible Officials. The University will begin including a clause or condition to purchase orders.

SECTION IV – SUMMARY OF PRIOR AUDIT FINDINGS

None

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