

Michigan State University

**Federal Awards
Supplemental Information
June 30, 2016**

Independent Auditor's Reports:

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Report on Schedule of Expenditures of Federal Awards
Required by the Uniform Guidance

Independent Auditor's Report

To the Board of Trustees
Michigan State University

We have audited the financial statements of Michigan State University (the "University") and its discretely presented component unit as of and for the year ended June 30, 2016, and the related notes to the financial statements, which collectively comprise the University's basic financial statements. We issued our report thereon dated October 27, 2016, which contained an unmodified opinion on the basic financial statements of the University and its component unit. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. We have not performed any procedures with respect to the audited financial statements subsequent to October 27, 2016. We did not audit the financial statements of Michigan State University Foundation (the "Foundation"), which represent all of the assets, net assets, and revenue of the discretely presented component unit. Those financial statements were audited by other auditors, whose report thereon has been furnished to us, and our opinion, insofar as it relates to the amounts included for the Foundation, is based on the report of the other auditors.

The accompanying schedule of expenditures of federal awards is presented for the purpose of additional analysis as required by the Uniform Guidance, and is not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated, in all material respects, in relation to the basic financial statements as a whole.

Plante & Moran, PLLC

February 20, 2017

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*

Independent Auditor's Report

To Management and the Board of Trustees
Michigan State University

We have audited, in accordance with the 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, the financial statements of Michigan State University (the "University") and its discretely presented component unit as of and for the year ended June 30, 2016, and the related notes to the financial statements, which collectively comprise the University's basic financial statements, and have issued our report thereon dated October 27, 2016. Our report includes a reference to other auditors who audited the financial statements of Michigan State University Foundation (the "Foundation"), as described in our report on Michigan State University's basic financial statements. This report does not include the results of the other auditors' testing of internal control over financial reporting or compliance and other matters that are reported on separately by those auditors. The financial statements of the Foundation were not audited in accordance with *Government Auditing Standards*.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered Michigan State University's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control. Accordingly, we do not express an opinion on the effectiveness of the University's internal control.

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 a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the University's financial statements will not be prevented, or detected and corrected, on a timely basis. A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

To Management and the Board of Trustees
Michigan State University

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether Michigan State University's financial statements are free from 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*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the University's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the University's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Plante & Moran, PLLC

October 27, 2016

Report on Compliance for Each Major Federal Program;
Report on Internal Control Over Compliance

Independent Auditor's Report

To the Board of Trustees
Michigan State University

Report on Compliance for Each Major Federal Program

We have audited Michigan State University's (the "University") compliance with the types of compliance requirements described in the U.S. Office of Management and Budget (OMB) Compliance Supplement that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2016. Michigan State University's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

Michigan State University's basic financial statements include the operations of the Michigan State University Foundation (the "Foundation"). Our audit, described below, did not include the operations of the Foundation because the Foundation did not expend any federal awards during the year ended June 30, 2016.

Management's Responsibility

Management is responsible for compliance with the requirements of laws, regulations, contracts, and grants applicable to each of its federal programs.

Auditor's Responsibility

Our responsibility is to express an opinion on compliance for each of Michigan State University's major federal programs based on our audit of the types of compliance requirements referred to above.

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 the audit requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (the "Uniform Guidance"). Those standards and the Uniform Guidance 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 Michigan State University's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

To the Board of Trustees
Michigan State University

We believe that our audit provides a reasonable basis for our opinion on compliance for each major federal program. However, our audit does not provide a legal determination of Michigan State University's compliance.

Opinion on Each Major Federal Program

In our opinion, Michigan State University complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2016.

Report on Internal Control Over Compliance

Management of Michigan State University is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered Michigan State University's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, 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. 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.

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 material weaknesses or significant deficiencies, and therefore, material weaknesses or significant deficiencies may exist that were not identified. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, we identified a certain deficiency in internal control over compliance, as described in the accompanying schedule of findings and questioned costs as Finding 2016-001, that we consider to be a significant deficiency.

To the Board of Trustees
Michigan State University

Michigan State University's response to the internal control over compliance finding identified in our audit are described in the accompanying schedule of findings and questioned costs and/or corrective action plan. Michigan State University's response was not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on it.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

Plante & Moran, PLLC

February 20, 2017

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster:						
Agriculture	Direct	10	10-JV-11242313-111	USDA - FOREST SERVICE	\$ 3,540	\$ -
Agriculture	Direct	10	12-JV-11272138-039	USDA - FOREST SERVICE	797	-
Agriculture	Direct	10.001	58-5050-5-011	USDA-AGRICULTURAL RESEARCH SERVICE	174,012	-
Agriculture	Direct	10.001	58-5050-5-014	USDA-AGRICULTURAL RESEARCH SERVICE	129,309	-
Agriculture	Direct	10.001	14-JV-11272139-016	USDA - FOREST SERVICE	117,522	-
Agriculture	Direct	10.001	59-0206-4-001	USDA-AGRICULTURAL RESEARCH SERVICE	104,042	-
Agriculture	Direct	10.001	59-0206-4-008	USDA-AGRICULTURAL RESEARCH SERVICE	85,023	-
Agriculture	Direct	10.001	11-JV-11242306-058	USDA - FOREST SERVICE	82,074	-
Agriculture	Direct	10.001	58-8062-5-036	USDA-AGRICULTURAL RESEARCH SERVICE	78,401	-
Agriculture	Direct	10.001	59-0206-1-120	USDA-AGRICULTURAL RESEARCH SERVICE	72,891	-
Agriculture	Direct	10.001	12-CS-11091000-015	USDA - FOREST SERVICE	70,166	-
Agriculture	Direct	10.001	58-1265-2-036	USDA-AGRICULTURAL RESEARCH SERVICE	68,519	-
Agriculture	Direct	10.001	59-3655-2-619	USDA-AGRICULTURAL RESEARCH SERVICE	64,989	-
Agriculture	Direct	10.001	58-6040-5-020	USDA-AGRICULTURAL RESEARCH SERVICE	60,920	-
Agriculture	Direct	10.001	14-PA-11091000-020	USDA - FOREST SERVICE	60,420	-
Agriculture	Direct	10.001	58-5050-5-013	USDA-AGRICULTURAL RESEARCH SERVICE	53,925	-
Agriculture	Direct	10.001	58-5050-5-016	USDA-AGRICULTURAL RESEARCH SERVICE	51,381	-
Agriculture	Direct	10.001	58-5050-6-002	USDA-AGRICULTURAL RESEARCH SERVICE	43,652	-
Agriculture	Direct	10.001	58-3655-4-042	USDA-AGRICULTURAL RESEARCH SERVICE	42,365	-
Agriculture	Direct	10.001	58-3607-3-985	USDA-AGRICULTURAL RESEARCH SERVICE	41,861	-
Agriculture	Direct	10.001	14-CS-11052007-030	USDA - FOREST SERVICE	41,861	-
Agriculture	Direct	10.001	59-0206-1-114	US DEPT AGRICULTURE	40,855	-
Agriculture	Direct	10.001	15-TMXXX-MI-0002	USDA - AGRI MARKETING SERV US	40,622	-
Agriculture	Direct	10.001	58-5050-5-010	USDA-AGRICULTURAL RESEARCH SERVICE	39,701	-
Agriculture	Direct	10.001	59-5090-5-004	USDA-AGRICULTURAL RESEARCH SERVICE	36,764	-
Agriculture	Direct	10.001	59-3040-5-001	USDA-AGRICULTURAL RESEARCH SERVICE	30,943	-
Agriculture	Direct	10.001	58-5442-4-016	USDA-AGRICULTURAL RESEARCH SERVICE	29,241	-
Agriculture	Direct	10.001	58-8010-5-020	USDA-AGRICULTURAL RESEARCH SERVICE	25,804	-
Agriculture	Direct	10.001	58-3635-4-013	USDA-AGRICULTURAL RESEARCH SERVICE	25,575	-
Agriculture	Direct	10.001	58-3635-4-017	USDA-AGRICULTURAL RESEARCH SERVICE	24,410	-
Agriculture	Direct	10.001	14-JV-11242303-079	USDA - FOREST SERVICE	24,356	-
Agriculture	Direct	10.001	15-CS-11090400-21	USDA - FOREST SERVICE	23,216	-
Agriculture	Direct	10.001	58-5080-5-009	USDA-AGRICULTURAL RESEARCH SERVICE	21,299	-
Agriculture	Direct	10.001	58-2050-5-012	USDA-AGRICULTURAL RESEARCH SERVICE	20,000	-
Agriculture	Direct	10.001	58-5050-5-015	USDA-AGRICULTURAL RESEARCH SERVICE	19,007	-
Agriculture	Direct	10.001	58-5050-5-012	USDA-AGRICULTURAL RESEARCH SERVICE	18,589	-
Agriculture	Direct	10.001	58-1907-0-096	USDA-AGRICULTURAL RESEARCH SERVICE	16,059	-
Agriculture	Direct	10.001	58-3655-4-044	USDA-AGRICULTURAL RESEARCH SERVICE	15,520	-
Agriculture	Direct	10.001	58-3655-2-635	USDA-AGRICULTURAL RESEARCH SERVICE	15,496	-
Agriculture	Direct	10.001	59-3655-2-619	USDA-AGRICULTURAL RESEARCH SERVICE	14,153	-
Agriculture	Direct	10.001	58-5442-4-017	USDA-AGRICULTURAL RESEARCH SERVICE	13,791	-
Agriculture	Direct	10.001	58-5050-5-005	USDA-AGRICULTURAL RESEARCH SERVICE	12,264	-
Agriculture	Direct	10.001	58-3635-4-018	USDA-AGRICULTURAL RESEARCH SERVICE	12,081	-
Agriculture	Direct	10.001	58-3635-3-976	USDA-AGRICULTURAL RESEARCH SERVICE	9,752	-
Agriculture	Direct	10.001	58-1910-4-012	USDA-AGRICULTURAL RESEARCH SERVICE	9,553	-
Agriculture	Direct	10.001	58-5366-3-013	USDA-AGRICULTURAL RESEARCH SERVICE	7,919	-
Agriculture	Direct	10.001	59-5050-6-001	USDA-AGRICULTURAL RESEARCH SERVICE	7,226	-
Agriculture	Direct	10.001	58-5050-5-001	USDA-AGRICULTURAL RESEARCH SERVICE	5,830	-
Agriculture	Direct	10.001	58-3060-5-033	USDA-AGRICULTURAL RESEARCH SERVICE	5,725	-
Agriculture	Direct	10.001	12-JV-11242306-067	USDA - FOREST SERVICE	5,637	-
Agriculture	Direct	10.001	58-3635-4-014	USDA-AGRICULTURAL RESEARCH SERVICE	5,220	-
Agriculture	Direct	10.001	58-5050-5-002	USDA-AGRICULTURAL RESEARCH SERVICE	5,194	-
Agriculture	Direct	10.001	59-5070-5-002	USDA-AGRICULTURAL RESEARCH SERVICE	4,000	-
Agriculture	Direct	10.001	58-5012-5-014	USDA-AGRICULTURAL RESEARCH SERVICE	3,610	-
Agriculture	Direct	10.001	59-0206-4-037	USDA-AGRICULTURAL RESEARCH SERVICE	3,359	-
Agriculture	Direct	10.001	14-JV-11111137-052	USDA - FOREST SERVICE	3,070	-
Agriculture	Direct	10.001	58-3635-4-016	USDA-AGRICULTURAL RESEARCH SERVICE	2,444	-
Agriculture	Direct	10.001	58-6040-6-015	USDA-AGRICULTURAL RESEARCH SERVICE	1,072	-
Agriculture	Direct	10.001	58-5090-5-066	USDA-AGRICULTURAL RESEARCH SERVICE	995	-
Agriculture	Direct	10.001	58-3635-4-015	USDA-AGRICULTURAL RESEARCH SERVICE	594	-
Agriculture	Direct	10.001	59-0206-6-003	USDA-AGRICULTURAL RESEARCH SERVICE	425	-
Agriculture	Direct	10.001	59-3655-2-619	USDA-AGRICULTURAL RESEARCH SERVICE	(839)	-
Agriculture	Direct	10.001	59-3655-2-619	USDA-AGRICULTURAL RESEARCH SERVICE	(1,690)	-
Agriculture	Direct	10.001	58-5442-0-242	USDA-AGRICULTURAL RESEARCH SERVICE	(4,140)	-
Agriculture	Direct	10.001	58-3655-0-619	USDA-AGRICULTURAL RESEARCH SERVICE	(7,151)	-
Agriculture	Direct	10.025	15-8130-0254-CA	USDA - ANIMAL AND PLT HTL INSP	163,347	48,163
Agriculture	Direct	10.025	15-8130-0024-CA	USDA - ANIMAL AND PLT HTL INSP	137,839	-
Agriculture	Direct	10.025	14-8130-0254-CA	USDA - ANIMAL AND PLT HTL INSP	54,428	47,785
Agriculture	Direct	10.025	14-8130-0324-CA	USDA - ANIMAL AND PLT HTL INSP	52,701	-
Agriculture	Direct	10.025	15-9419-0332	USDA - ANIMAL AND PLT HTL INSP	52,356	-
Agriculture	Direct	10.025	14-8130-0024-CA	USDA - ANIMAL AND PLT HTL INSP	37,157	-
Agriculture	Direct	10.025	15-8130-0324-CA	USDA - ANIMAL AND PLT HTL INSP	22,493	-
Agriculture	Direct	10.025	15-8130-0540-CA	USDA - ANIMAL AND PLT HTL INSP	15,344	-
Agriculture	Direct	10.025	15-9419-0287-CA	USDA - ANIMAL AND PLT HTL INSP	6,820	-
Agriculture	Direct	10.025	15-8226-1001-CA	USDA - ANIMAL AND PLT HTL INSP	981	-
Agriculture	Direct	10.025	14-9419-0332	USDA - ANIMAL AND PLT HTL INSP	614	-
Agriculture	Direct	10.025	13-8130-0254-CA	USDA - ANIMAL AND PLT HTL INSP	(401)	2,324
Agriculture	Direct	10.028	14-7488-1077-CA	USDA - ANIMAL AND PLT HTL INSP	52,070	-
Agriculture	Direct	10.028	15-7488-1077-CA	USDA - ANIMAL AND PLT HTL INSP	3,975	-
Agriculture	Direct	10.156	12-25-G-1714	USDA - AGRI MARKETING SERV US	15,226	7,435
Agriculture	Direct	10.164	15-TMXXX-MI-0001	USDA - AGRI MARKETING SERV US	18,374	-
Agriculture	Direct	10.200	2015-34383-23852	USDA - NATIONAL INSTITUTE OF F	1,051,013	-
Agriculture	Direct	10.200	2014-34383-22030	USDA - NATIONAL INSTITUTE OF F	622,031	9,509
Agriculture	Direct	10.200	2012-39571-20296	USDA - NATIONAL INSTITUTE OF F	601,187	438,635
Agriculture	Direct	10.200	2014-34141-22487	USDA - NATIONAL INSTITUTE OF F	370,444	238,666
Agriculture	Direct	10.200	2012-39571-20296	USDA - NATIONAL INSTITUTE OF F	137,525	-
Agriculture	Direct	10.200	2013-39573-21477	USDA - NATIONAL INSTITUTE OF F	100,453	-
Agriculture	Direct	10.200	2013-34383-21032	USDA - NATIONAL INSTITUTE OF F	78,757	56,338
Agriculture	Direct	10.200	2013-34381-21204	USDA - NATIONAL INSTITUTE OF F	61,307	-
Agriculture	Direct	10.200	2013-34381-21309	USDA - NATIONAL INSTITUTE OF F	46,146	-
Agriculture	Direct	10.200	2014-39573-21895	USDA - NATIONAL INSTITUTE OF F	40,200	-
Agriculture	Direct	10.200	2012-34638-20256	USDA - NATIONAL INSTITUTE OF F	27,290	12,129
Agriculture	Direct	10.200	2014-39586-22374	USDA - NATIONAL INSTITUTE OF F	15,797	-
Agriculture	Direct	10.200	2013-34383-21032	USDA - NATIONAL INSTITUTE OF F	12,572	-
Agriculture	Direct	10.200	2013-34103-21322	USDA - NATIONAL INSTITUTE OF F	9,235	-
Agriculture	Direct	10.200	2014-34383-22030	USDA - NATIONAL INSTITUTE OF F	8,973	-
Agriculture	Direct	10.200	2013-41530-21320	USDA - NATIONAL INSTITUTE OF F	4,689	-
Agriculture	Direct	10.200	2013-34383-21032	USDA - NATIONAL INSTITUTE OF F	485	-
Agriculture	Direct	10.200	2013-34383-21032	USDA - NATIONAL INSTITUTE OF F	44	-
Agriculture	Direct	10.202	MCINTIRE-STENNIS	USDA - AGRICULTURE U.S. DEPT.	60,407	-
Agriculture	Direct	10.202	MCINTIRE-STENNIS	USDA - AGRICULTURE U.S. DEPT.	60,150	-
Agriculture	Direct	10.202	MCINTIRE-STENNIS	USDA - AGRICULTURE U.S. DEPT.	41,830	-
Agriculture	Direct	10.202	MCINTIRE-STENNIS	USDA - AGRICULTURE U.S. DEPT.	40,679	-
Agriculture	Direct	10.202	MCINTIRE-STENNIS	USDA - AGRICULTURE U.S. DEPT.	37,617	-
Agriculture	Direct	10.202	MCINTIRE-STENNIS	USDA - AGRICULTURE U.S. DEPT.	36,367	-
Agriculture	Direct	10.202	MCINTIRE-STENNIS	USDA - AGRICULTURE U.S. DEPT.	25,513	-
Agriculture	Direct	10.202	MCINTIRE-STENNIS	USDA - AGRICULTURE U.S. DEPT.	8,821	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
Agriculture	Direct	10.202	MCINTIRE-STENNIS	USDA - AGRICULTURE U.S. DEPT.	\$ 5,112	\$ -
Agriculture	Direct	10.202	MCINTIRE-STENNIS	USDA - AGRICULTURE U.S. DEPT.	4,001	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	1,066,797	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	1,043,850	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	993,562	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	596,101	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	368,875	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	222,895	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	210,614	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	205,687	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	196,718	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	152,123	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	132,796	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	129,961	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	99,033	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	89,621	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	76,948	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	62,481	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	61,175	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	57,647	-
Agriculture	Direct	10.203	FED HATCH	USDA - AGRICULTURE U.S. DEPT.	53,240	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	49,028	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	47,650	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	44,046	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	42,208	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	36,689	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	31,211	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	29,318	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	29,007	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	28,579	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	25,207	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	22,257	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	22,130	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	20,143	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	20,000	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	19,945	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	19,851	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	19,704	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	19,126	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	17,462	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	16,233	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	15,837	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	15,794	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	15,439	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	15,433	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	14,744	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	13,683	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	13,273	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	12,277	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	11,736	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	11,546	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	11,176	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	9,826	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	7,850	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	5,402	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	4,444	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	4,387	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	3,270	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	3,000	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	1,659	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	297	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	(4)	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH	USDA - AGRICULTURE U.S. DEPT.	(182)	-
Agriculture	Direct	10.207	FED ANIMAL HEALTH	USDA - AGRICULTURE U.S. DEPT.	33,460	-
Agriculture	Direct	10.207	FED ANIMAL HEALTH	USDA - AGRICULTURE U.S. DEPT.	15,606	-
Agriculture	Direct	10.207	FED ANIMAL HEALTH	USDA - AGRICULTURE U.S. DEPT.	13,803	-
Agriculture	Direct	10.207	FED ANIMAL HEALTH	USDA - AGRICULTURE U.S. DEPT.	11,981	-
Agriculture	Direct	10.207	FED ANIMAL HEALTH	USDA - AGRICULTURE U.S. DEPT.	8,190	-
Agriculture	Direct	10.207	FED ANIMAL HEALTH	USDA - AGRICULTURE U.S. DEPT.	(3,409)	-
Agriculture	Direct	10.219	2013-33522-21090	USDA - NATIONAL INSTITUTE OF F	263,907	83,306
Agriculture	Direct	10.219	2013-33522-21090	USDA - NATIONAL INSTITUTE OF F	57,585	-
Agriculture	Direct	10.250	58-3000-5-0094	USDA - ECON RSH SER	9,575	-
Agriculture	Direct	10.250	58-1000-4-0051	USDA - AGRI RESEARCH SERV US D	6,738	-
Agriculture	Direct	10.253	58-5000-3-0063	USDA - ECON RSH SER	23,690	-
Agriculture	Direct	10.303	2013-51106-20944	USDA - NATIONAL INSTITUTE OF F	142,463	-
Agriculture	Direct	10.303	2011-51110-31104	USDA - NATIONAL INSTITUTE OF F	134,631	8,264
Agriculture	Direct	10.303	2013-51130-21489	USDA - NATIONAL INSTITUTE OF F	103,812	-
Agriculture	Direct	10.303	2013-51150-20935	USDA - NATIONAL INSTITUTE OF F	103,068	27,244
Agriculture	Direct	10.303	2011-51110-31027	USDA - NATIONAL INSTITUTE OF F	81,882	-
Agriculture	Direct	10.303	2011-51110-31027	USDA - NATIONAL INSTITUTE OF F	81,528	42,874
Agriculture	Direct	10.303	2011-51110-31027	USDA - NATIONAL INSTITUTE OF F	74,817	-
Agriculture	Direct	10.303	2014-51150-22095	USDA - NATIONAL INSTITUTE OF F	52,151	4,100
Agriculture	Direct	10.303	2012-51150-19610	USDA - NATIONAL INSTITUTE OF F	48,877	41,278
Agriculture	Direct	10.303	2011-51110-31027	USDA - NATIONAL INSTITUTE OF F	40,878	-
Agriculture	Direct	10.303	2011-51110-31027	USDA - NATIONAL INSTITUTE OF F	40,074	-
Agriculture	Direct	10.303	2011-51106-31046	USDA - NATIONAL INSTITUTE OF F	25,726	-
Agriculture	Direct	10.303	2015-51150-23876	USDA - NATIONAL INSTITUTE OF F	14,923	9,423
Agriculture	Direct	10.303	2011-51110-30994	USDA - NATIONAL INSTITUTE OF F	(3,795)	-
Agriculture	Direct	10.303	2009-51110-05858	USDA - AGRICULTURE U.S. DEPT.	(6,874)	-
Agriculture	Direct	10.304	2012-37620-19617	USDA - NATIONAL INSTITUTE OF F	649,787	463,746
Agriculture	Direct	10.307	2010-51300-21224	USDA - NATIONAL INSTITUTE OF F	6,510	-
Agriculture	Direct	10.309	2012-51181-20105	USDA - NATIONAL INSTITUTE OF F	2,539,716	1,889,297
Agriculture	Direct	10.309	2014-51181-22378	USDA - NATIONAL INSTITUTE OF F	1,389,965	896,753
Agriculture	Direct	10.309	2014-51181-22380	USDA - NATIONAL INSTITUTE OF F	544,483	297,690
Agriculture	Direct	10.309	2011-51181-30860	USDA - NATIONAL INSTITUTE OF F	112,332	82,756
Agriculture	Direct	10.309	2015-51181-24285	USDA - NATIONAL INSTITUTE OF F	99,380	34,737
Agriculture	Direct	10.309	2011-51181-30666	USDA - NATIONAL INSTITUTE OF F	25,913	49,041
Agriculture	Direct	10.309	2015-51181-24285	USDA - NATIONAL INSTITUTE OF F	17,844	-
Agriculture	Direct	10.309	2015-51181-24256	USDA - NATIONAL INSTITUTE OF F	10,147	-
Agriculture	Direct	10.309	2012-51181-20105	USDA - NATIONAL INSTITUTE OF F	3,448	-
Agriculture	Direct	10.309	2015-51181-24285	USDA - NATIONAL INSTITUTE OF F	2,711	-
Agriculture	Direct	10.309	2015-51181-24256	USDA - NATIONAL INSTITUTE OF F	1,321	-
Agriculture	Direct	10.310	2011-68004-30340	USDA - NATIONAL INSTITUTE OF F	1,011,345	704,323
Agriculture	Direct	10.310	2015-68007-23133	USDA - NATIONAL INSTITUTE OF F	759,191	64,506
Agriculture	Direct	10.310	2013-68004-20439	USDA - NATIONAL INSTITUTE OF F	597,236	292,653
Agriculture	Direct	10.310	2015-68003-23415	USDA - NATIONAL INSTITUTE OF F	438,248	120,763
Agriculture	Direct	10.310	2015-68001-23239	USDA - NATIONAL INSTITUTE OF F	421,893	165,705
Agriculture	Direct	10.310	2013-68004-20371	USDA - NATIONAL INSTITUTE OF F	385,564	108,447

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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
Agriculture	Direct	10.310	2011-67005-30004	USDA - NATIONAL INSTITUTE OF F	\$ 332,906	\$ 79,472
Agriculture	Direct	10.310	2014-68004-21972	USDA - NATIONAL INSTITUTE OF F	306,009	-
Agriculture	Direct	10.310	2011-67009-30019	USDA - NATIONAL INSTITUTE OF F	242,976	-
Agriculture	Direct	10.310	2014-67015-21708	USDA - NATIONAL INSTITUTE OF F	242,348	-
Agriculture	Direct	10.310	2011-67009-30137	USDA - NATIONAL INSTITUTE OF F	238,324	-
Agriculture	Direct	10.310	2012-67015-20498	USDA - NATIONAL INSTITUTE OF F	192,943	-
Agriculture	Direct	10.310	2014-68004-21952	USDA - NATIONAL INSTITUTE OF F	185,977	57,983
Agriculture	Direct	10.310	2011-67009-20086	USDA - NATIONAL INSTITUTE OF F	160,593	156,440
Agriculture	Direct	10.310	2015-67015-23207	USDA - NATIONAL INSTITUTE OF F	160,026	-
Agriculture	Direct	10.310	2014-68006-21869	USDA - NATIONAL INSTITUTE OF F	159,178	-
Agriculture	Direct	10.310	2014-68004-21881	USDA - NATIONAL INSTITUTE OF F	155,388	-
Agriculture	Direct	10.310	2015-67017-23113	USDA - NATIONAL INSTITUTE OF F	155,112	-
Agriculture	Direct	10.310	2011-67023-30872	USDA - NATIONAL INSTITUTE OF F	154,951	-
Agriculture	Direct	10.310	2015-67013-22932	USDA - NATIONAL INSTITUTE OF F	154,928	75,291
Agriculture	Direct	10.310	2011-67015-30338	USDA - NATIONAL INSTITUTE OF F	146,241	1,617
Agriculture	Direct	10.310	3014-67003-21812	USDA - NATIONAL INSTITUTE OF F	145,303	90,360
Agriculture	Direct	10.310	2013-67017-21227	USDA - NATIONAL INSTITUTE OF F	133,553	-
Agriculture	Direct	10.310	2014-68006-21828	USDA - NATIONAL INSTITUTE OF F	132,788	-
Agriculture	Direct	10.310	2013-67015-20962	USDA - NATIONAL INSTITUTE OF F	127,297	-
Agriculture	Direct	10.310	2011-67015-30179	USDA - NATIONAL INSTITUTE OF F	124,332	-
Agriculture	Direct	10.310	2013-67019-2137	USDA - NATIONAL INSTITUTE OF F	107,745	16,680
Agriculture	Direct	10.310	2013-67005-21189	USDA - NATIONAL INSTITUTE OF F	104,638	71,257
Agriculture	Direct	10.310	2014-68006-21863	USDA - NATIONAL INSTITUTE OF F	100,344	31,198
Agriculture	Direct	10.310	2012-67005-19666	USDA - NATIONAL INSTITUTE OF F	83,380	-
Agriculture	Direct	10.310	2014-67009-22310	USDA - NATIONAL INSTITUTE OF F	82,824	47,271
Agriculture	Direct	10.310	2014-68006-21870	USDA - NATIONAL INSTITUTE OF F	82,184	-
Agriculture	Direct	10.310	2015-67013-23068	USDA - NATIONAL INSTITUTE OF F	66,931	-
Agriculture	Direct	10.310	2012-67017-30181	USDA - NATIONAL INSTITUTE OF F	66,873	-
Agriculture	Direct	10.310	2014-67015-21619	USDA - NATIONAL INSTITUTE OF F	53,521	-
Agriculture	Direct	10.310	2014-67015-21832	USDA - NATIONAL INSTITUTE OF F	51,254	-
Agriculture	Direct	10.310	2015-67019-23007	USDA - NATIONAL INSTITUTE OF F	50,742	-
Agriculture	Direct	10.310	2016-67017-24514	USDA - NATIONAL INSTITUTE OF F	48,632	-
Agriculture	Direct	10.310	2014-67015-21632	USDA - NATIONAL INSTITUTE OF F	40,817	-
Agriculture	Direct	10.310	2016-67015-24898	USDA - NATIONAL INSTITUTE OF F	35,663	-
Agriculture	Direct	10.310	2012-67009-19693	USDA - NATIONAL INSTITUTE OF F	30,165	15,466
Agriculture	Direct	10.310	2013-67012-21021	USDA - NATIONAL INSTITUTE OF F	28,610	-
Agriculture	Direct	10.310	2012-67005-19666	USDA - NATIONAL INSTITUTE OF F	25,330	-
Agriculture	Direct	10.310	2015-67028-23652	USDA - NATIONAL INSTITUTE OF F	24,547	-
Agriculture	Direct	10.310	2013-67005-21188	USDA - NATIONAL INSTITUTE OF F	17,584	-
Agriculture	Direct	10.310	2016-67011-24726	USDA - NATIONAL INSTITUTE OF F	17,131	-
Agriculture	Direct	10.310	2015-67028-23510	USDA - NATIONAL INSTITUTE OF F	16,905	-
Agriculture	Direct	10.310	2016-68006-24852	USDA - NATIONAL INSTITUTE OF F	14,118	-
Agriculture	Direct	10.310	2016-67011-25205	USDA - NATIONAL INSTITUTE OF F	11,381	-
Agriculture	Direct	10.310	2016-67012-25254	USDA - NATIONAL INSTITUTE OF F	10,094	-
Agriculture	Direct	10.310	2014-68006-21870	USDA - NATIONAL INSTITUTE OF F	9,020	-
Agriculture	Direct	10.310	2013-67011-21281	USDA - NATIONAL INSTITUTE OF F	8,592	-
Agriculture	Direct	10.310	2014-68006-21870	USDA - NATIONAL INSTITUTE OF F	7,119	-
Agriculture	Direct	10.310	2014-68006-21870	USDA - NATIONAL INSTITUTE OF F	5,965	-
Agriculture	Direct	10.310	2014-68006-21870	USDA - NATIONAL INSTITUTE OF F	5,690	-
Agriculture	Direct	10.310	2016-67011-24713	USDA - NATIONAL INSTITUTE OF F	4,529	-
Agriculture	Direct	10.310	2016-67015-24891	USDA - NATIONAL INSTITUTE OF F	464	-
Agriculture	Direct	10.310	2009-85606-05673 CSREES	CSREES	-	5,698
Agriculture	Direct	10.310	2012-67011-19936	USDA - NATIONAL INSTITUTE OF F	(47)	-
Agriculture	Direct	10.310	2012-67005-19598	USDA - NATIONAL INSTITUTE OF F	(3,554)	13,459
Agriculture	Direct	10.311	2015-70017-22856	USDA - NATIONAL INSTITUTE OF F	150,180	46,665
Agriculture	Direct	10.329	2015-70006-24280	USDA - NATIONAL INSTITUTE OF F	57,706	-
Agriculture	Direct	10.329	2014-70006-22522	USDA - NATIONAL INSTITUTE OF F	43,855	-
Agriculture	Direct	10.500	2013-48765-21544	USDA - NATIONAL INSTITUTE OF F	1,816,556	977,249
Agriculture	Direct	10.500	2015-41210-24205	USDA - NATIONAL INSTITUTE OF F	12,208	-
Agriculture	Direct	10.500	2013-41530-21320	USDA - NATIONAL INSTITUTE OF F	667	-
Agriculture	Direct	10.604	2013-30	USDA - FOREIGN AG SER	116,955	-
Agriculture	Direct	10.652	11-JV-11242305-082	USDA - FOREST SERVICE	107,941	-
Agriculture	Direct	10.652	11-CS-11083601-002	USDA - FOREST SERVICE	105,794	-
Agriculture	Direct	10.652	13-JV-11242303-078	USDA - FOREST SERVICE	65,685	-
Agriculture	Direct	10.652	13-JV-11242306-055	USDA - FOREST SERVICE	4,892	-
Agriculture	Direct	10.652	12-DG-11420004-208	USDA - FOREST SERVICE	3,317	-
Agriculture	Direct	10.652	11-JV-11242303-104	USDA - FOREST SERVICE	2	-
Agriculture	Direct	10.674	15-CA-11420004-084	USDA - FOREST SERVICE	51,947	-
Agriculture	Direct	10.678	11-JV-11242306-065	USDA - FOREST SERVICE	44,317	-
Agriculture	Direct	10.678	15-CS-11083601-002	USDA - FOREST SERVICE	40,682	-
Agriculture	Direct	10.678	15-CS-11083601-002	USDA - FOREST SERVICE	21,294	-
Agriculture	Direct	10.678	15-JV-11242303-067	USDA - FOREST SERVICE	19,583	-
Agriculture	Direct	10.678	15-JV-11242315-036	USDA - FOREST SERVICE	16,732	-
Agriculture	Direct	10.680	11-DG-11420004-060	USDA - FOREST SERVICE	225,274	-
Agriculture	Direct	10.680	14-CA-11420004-201	USDA - FOREST SERVICE	77,571	-
Agriculture	Direct	10.680	14-CA-11420004-054	USDA - FOREST SERVICE	32,813	-
Agriculture	Direct	10.680	11-DG-11420004-257	USDA - FOREST SERVICE	32,126	-
Agriculture	Direct	10.680	14-CA-11420004-061	USDA - FOREST SERVICE	25,229	-
Agriculture	Direct	10.680	10-CA-11420004-343	USDA - FOREST SERVICE	20,823	-
Agriculture	Direct	10.680	14-JV-11242307-114	USDA - FOREST SERVICE	17,827	-
Agriculture	Direct	10.680	14-DG-11420004-059	USDA - FOREST SERVICE	16,208	-
Agriculture	Direct	10.680	15-CA-11420004-102	USDA - FOREST SERVICE	13,520	-
Agriculture	Direct	10.680	14-DG-11420004-197	USDA - FOREST SERVICE	11,086	-
Agriculture	Direct	10.680	10-DG-11420004-326	USDA - FOREST SERVICE	10,749	-
Agriculture	Direct	10.680	14-JV-11242313-149	USDA - FOREST SERVICE	8,400	-
Agriculture	Direct	10.680	15-DG-11420004-222	USDA - FOREST SERVICE	7,947	-
Agriculture	Direct	10.680	AG-54A4-P-14-0053	USDA - FOREST SERVICE	156	-
Agriculture	Direct	10.680	16-DG-11420004-081	USDA - FOREST SERVICE	142	-
Agriculture	Direct	10.771	26-033-030879893	USDA - RURAL BUS COOP SER	90,243	-
Agriculture	Direct	10.777	58-3148-2-250	USDA - FOREIGN AG SER	3,118	-
Agriculture	Direct	10.777	58-3148-3-165	USDA - FOREIGN AG SER	75	-
Agriculture	Direct	10.777	58-3148-3-153	USDA - FOREIGN AG SER	40	-
Agriculture	Direct	10.912	69-3A75-13-93	USDA - NATURAL RESOURCES COUNSEL	165,337	28,932
Agriculture	Direct	10.912	69-3A75-12-176	USDA - NATURAL RESOURCES COUNSEL	18,770	-
Agriculture	Direct	10.912	69-3A75-12-175	USDA - NATURAL RESOURCES COUNSEL	17,641	-
Agriculture	Direct	10.960	TA-CR-15-050-03	USDA - FOREIGN AG SER	64,313	-
Agriculture	Direct	10.960	58-3148-1-113	USDA - FOREIGN AG SER	62,153	-
Agriculture	Direct	10.960	58-3148-1-061	USDA - FOREIGN AG SER	29,867	-
Agriculture	Direct	10.960	TA-CR-13-008	USDA - FOREIGN AG SER	2,067	-
	Direct Total				31,634,488	7,962,928
Agriculture	Pass-through	10	2014-06507-03	ILLINOIS UNIV OF -	409	-
Agriculture	Pass-through	10.001	15-0451	BRINGHAM YOUNG UNIVERSITY	41,788	-
Agriculture	Pass-through	10.001	2012-MI001-ARS 5259	RUTGERS, THE STATE UNIVERSITY	10,289	-
Agriculture	Pass-through	10.001	25-6235-0205-004	NEBRASKA UNIVERSITY OF	1,393	-
Agriculture	Pass-through	10.025	791N5500400	MI DEPT OF AG & RURAL DEVELOP	74,999	-
Agriculture	Pass-through	10.025	791N5500296	MI DEPT OF AG & RURAL DEVELOP	49,226	-
Agriculture	Pass-through	10.025	791N5500061	MI DEPT OF AG & RURAL DEVELOP	33,246	-
Agriculture	Pass-through	10.025	791N6600347	MICHIGAN DEPARTMENT OF NATURAL	23,696	-
Agriculture	Pass-through	10.025	791N5500423	MI DEPT OF AG & RURAL DEVELOP	12,000	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
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Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
Agriculture	Pass-through	10.025	791N5500488	MI DEPT OF AG & RURAL DEVELOP	\$ 3,000	\$ -
Agriculture	Pass-through	10.025	G-06256-1	COLORADO STATE UNIV	1,966	-
Agriculture	Pass-through	10.025	791N6600429	MI DEPT OF AG & RURAL DEVELOP	999	-
Agriculture	Pass-through	10.170	791N5500299	MICH VEGETABLE COUNCIL	65,721	-
Agriculture	Pass-through	10.170	791N5500116	MICHIGAN FLORICULTURE GROWERS	28,123	-
Agriculture	Pass-through	10.170	791N4300106	MICH CHRISTMAS TREE ASSN	8,077	-
Agriculture	Pass-through	10.170	544802-19057	VIRGINIA POLYTECHNIC INST	2,969	-
Agriculture	Pass-through	10.170	Optimizing Cover Crops	MICH CARROT COMMITTEE	2,689	-
Agriculture	Pass-through	10.200	5701-BSST-HAUSBECK	RUTGERS, THE STATE UNIVERSITY	18,413	-
Agriculture	Pass-through	10.200	499K225	BD OF REGENTS OF THE UNIV WISC	15,083	-
Agriculture	Pass-through	10.200	5729-FB-Sundin	RUTGERS, THE STATE UNIVERSITY	12,072	-
Agriculture	Pass-through	10.200	5813-CB-Fulbright	RUTGERS, THE STATE UNIVERSITY	10,534	-
Agriculture	Pass-through	10.200	8000073491-AG	PERDUE UNIV	10,409	-
Agriculture	Pass-through	10.200	5730-SWD-Isaacs	RUTGERS, THE STATE UNIVERSITY	5,142	-
Agriculture	Pass-through	10.200	499K225	BD OF REGENTS OF THE UNIV WISC	2,021	-
Agriculture	Pass-through	10.200	502K751	BD OF REGENTS OF THE UNIV WISC	(11,298)	-
Agriculture	Pass-through	10.212	SBIR Phase II	MIRTECH INC	42,280	-
Agriculture	Pass-through	10.212	Phase I SBIR	METAMATERIA TECHNOLOGIES LLC	33,040	-
Agriculture	Pass-through	10.215	H004403705	MINNESOTA UNIV OF	71,912	-
Agriculture	Pass-through	10.215	H003040103	MINNESOTA UNIV OF	66,703	-
Agriculture	Pass-through	10.215	H003040104	MINNESOTA UNIV OF	32,706	-
Agriculture	Pass-through	10.215	H004403726	MINNESOTA UNIV OF	27,173	-
Agriculture	Pass-through	10.215	410-40-33A	IOWA STATE UNIVERSITY	19,907	-
Agriculture	Pass-through	10.215	H003679427	MINNESOTA UNIV OF	7,315	-
Agriculture	Pass-through	10.215	H003679409	MINNESOTA UNIV OF	4,825	-
Agriculture	Pass-through	10.215	H004403737	MINNESOTA UNIV OF	2,622	-
Agriculture	Pass-through	10.215	H003040102	MINNESOTA UNIV OF	2,255	-
Agriculture	Pass-through	10.215	H003679426	MINNESOTA UNIV OF	1,592	-
Agriculture	Pass-through	10.215	H003679428	MINNESOTA UNIV OF	1,236	-
Agriculture	Pass-through	10.215	H004403730	MINNESOTA UNIV OF	739	-
Agriculture	Pass-through	10.215	H003040117	MINNESOTA UNIV OF	133	-
Agriculture	Pass-through	10.215	H003040137	MINNESOTA UNIV OF	(1)	-
Agriculture	Pass-through	10.217	8000064677-AG	PURDUE UNIV	4,945	-
Agriculture	Pass-through	10.227	2012-38424-19874	COLLEGE OF MENOMINEE NATION	4,536	-
Agriculture	Pass-through	10.303	2012-05854-22(A0107)	ILLINOIS UNIV OF -	15,807	-
Agriculture	Pass-through	10.303	1589-207-2008693	CLEMSON UNIVERSITY	5,496	-
Agriculture	Pass-through	10.303	511221	KANSAS STATE UNIVERSITY	3,134	-
Agriculture	Pass-through	10.307	73676-10347	CORNELL UNIV	101,767	-
Agriculture	Pass-through	10.307	73676-10347	CORNELL UNIV	68,324	-
Agriculture	Pass-through	10.307	4820	RUTGERS, THE STATE UNIVERSITY	46,339	-
Agriculture	Pass-through	10.307	RC293-636-S000865	GEORGIA UNIVERSITY OF	12,177	-
Agriculture	Pass-through	10.307	73676-10347	CORNELL UNIV	7,207	-
Agriculture	Pass-through	10.309	1762-207-2020386	CLEMSON UNIVERSITY	120,131	-
Agriculture	Pass-through	10.309	64094-9753	CORNELL UNIV	111,333	-
Agriculture	Pass-through	10.309	73999-10421	CORNELL UNIV	104,356	-
Agriculture	Pass-through	10.309	64094-9753	CORNELL UNIV	76,133	-
Agriculture	Pass-through	10.309	350K840	WISCONSIN UNIV OF	67,652	-
Agriculture	Pass-through	10.309	215-0228-11	NORTH CAROLINA STATE UNIVERSIT	40,027	-
Agriculture	Pass-through	10.309	RR722-418/8644587	GEORGIA UNIVERSITY OF	38,167	-
Agriculture	Pass-through	10.309	64094-9753	CORNELL UNIV	32,929	-
Agriculture	Pass-through	10.309	1762-207-2020386	CLEMSON UNIVERSITY	26,493	-
Agriculture	Pass-through	10.309	8000040010-AG	PURDUE UNIV	17,445	-
Agriculture	Pass-through	10.309	1762-207-2020386	CLEMSON UNIVERSITY	8,895	-
Agriculture	Pass-through	10.309	2012-1785-04	NORTH CAROLINA STATE UNIVERSIT	4,434	-
Agriculture	Pass-through	10.310	416-40-63B	IOWA STATE UNIVERSITY	223,829	-
Agriculture	Pass-through	10.310	422262-19057	VIRGINIA TECHNOLOGY	122,153	-
Agriculture	Pass-through	10.310	416-41-07B	IOWA STATE UNIVERSITY	105,393	-
Agriculture	Pass-through	10.310	1210-1048-00-A	SOUTH FLORIDA UNIV OF	71,121	-
Agriculture	Pass-through	10.310	8000041929-AG	PURDUE UNIV	69,082	-
Agriculture	Pass-through	10.310	3TB462	SOUTH DAKOTA STATE UNIVERSITY	68,197	-
Agriculture	Pass-through	10.310	288K805	WISCONSIN UNIV OF	64,522	-
Agriculture	Pass-through	10.310	20152118-01	CALIFORNIA UNIVERSITY OF - DAV	61,441	-
Agriculture	Pass-through	10.310	8000053332-AG	PURDUE UNIV	59,830	-
Agriculture	Pass-through	10.310	400998-5801	COLORADO SCHOOL OF MINES	57,296	-
Agriculture	Pass-through	10.310	13-AGR-373036-MSU	AUBURN UNIV	37,182	-
Agriculture	Pass-through	10.310	C00034370-2	MISSOURI UNIVERSITY OF	26,839	-
Agriculture	Pass-through	10.310	73706-10403	CORNELL UNIV	24,189	-
Agriculture	Pass-through	10.310	S12252	KANSAS STATE UNIVERSITY	21,234	-
Agriculture	Pass-through	10.310	3002559358	UNIV OF MICHIGAN	18,792	-
Agriculture	Pass-through	10.310	8000069354	PURDUE UNIV	17,239	-
Agriculture	Pass-through	10.310	421K035	WISCONSIN UNIV OF	16,908	-
Agriculture	Pass-through	10.310	S-000583	CALIFORNIA UNIVERSITY OF - RIV	15,758	-
Agriculture	Pass-through	10.310	3002559358	UNIV OF MICHIGAN	12,813	-
Agriculture	Pass-through	10.310	H001897203	MINNESOTA UNIV OF	11,378	-
Agriculture	Pass-through	10.310	60044923	OHIO STATE UNIVERSITY	10,749	-
Agriculture	Pass-through	10.310	71482287 S9001279	CALIFORNIA SAN DIEGO UNIVERSIT	4,716	-
Agriculture	Pass-through	10.310	28987Sub51696	VERMONT UNIVERSITY OF	2,979	-
Agriculture	Pass-through	10.310	422517-19057	VIRGINIA POLYTECHNIC INST	85	-
Agriculture	Pass-through	10.320	71012-10249	CORNELL UNIV	7,410	6,000
Agriculture	Pass-through	10.500	H003703709	MINNESOTA UNIV OF	18,014	-
Agriculture	Pass-through	10.500	H003044615	MINNESOTA UNIV OF	905	-
Agriculture	Pass-through	10.500	8000065347	PURDUE UNIV	(1,667)	-
Agriculture	Pass-through	10.606	SA-13-006-USDA009N	TECHNOSERVE	152,062	40,065
Agriculture	Pass-through	10.664	P3-8b	US ENDOWMENT FOR FORESTRY & CM	20,123	-
Agriculture	Pass-through	10.932	060915-1	NATURE CONSERVANCY THE	53,875	-
Agriculture	Pass-through	10.961	58-3148-1-140	US EGYPT JOINT BOARD	17,073	-
Pass-through Total					3,046,650	46,065
Agriculture Total					34,681,138	8,008,993
Commerce	Direct	11.431	NA120AR4310081	COMMERCE US DEPT OF	50,076	-
Commerce	Direct	11.431	NA120AR4310081	COMMERCE US DEPT OF	33,762	-
Commerce	Direct	11.609	70NANB15H280	NATL INST. OF STANDARDS & TECH	77,625	-
Commerce	Direct	11.609	60NANB11D155	NATL INST. OF STANDARDS & TECH	39,839	-
Commerce	Direct	11.609	70NANB15H254	NATL INST. OF STANDARDS & TECH	26,993	-
Commerce	Direct	11.609	60NANB14D219	NATL INST. OF STANDARDS & TECH	26,364	-
Commerce	Direct	11.609	60NANB14D265	NATL INST. OF STANDARDS & TECH	10,454	-
Direct Total					265,113	-
Commerce	Pass-through	11.303	06-66-05711-04	ECONOMIC DEVELOPMENT ADMINISTR	126,437	-
Commerce	Pass-through	11.303	4112-58827	PURDUE UNIV	9,695	-
Commerce	Pass-through	11.407	NA11NMF4070279	ILLINOIS DEPT OF NAT RESOURCES	17,403	-
Commerce	Pass-through	11.417	3003003042	UNIV OF MICHIGAN	48,661	-
Commerce	Pass-through	11.417	3003807199	UNIV OF MICHIGAN	35,889	-
Commerce	Pass-through	11.417	3003003182	UNIV OF MICHIGAN	29,070	-
Commerce	Pass-through	11.417	3002230001	UNIV OF MICHIGAN	9,899	13,236
Commerce	Pass-through	11.417	WSU14081	WAYNE STATE UNIVERSITY	9,399	-
Commerce	Pass-through	11.417	3002238993	UNIV OF MICHIGAN	1,076	-
Commerce	Pass-through	11.417	3002638102	UNIV OF MICHIGAN	1,000	-
Commerce	Pass-through	11.419	15-CHab-002	MICHIGAN DEPT OF ENVIRONMENTAL QUALITY	60,941	-
Commerce	Pass-through	11.419	2015 CZM-MSU	NETWORKS NORTHWEST	30,826	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
Commerce	Pass-through	11.419	E16-4-BKS0231	INDIANA DEPT. OF NATURAL RESOU	\$ (4,500)	\$ -
Commerce	Pass-through	11.431	3001671117	UNIV OF MICHIGAN	58,334	-
Commerce	Pass-through	11.431	3001671117	UNIV OF MICHIGAN	3,853	-
Commerce	Pass-through	11.431	3001671117	UNIV OF MICHIGAN	599	-
Commerce	Pass-through	11.432	3003314015	UNIV OF MICHIGAN	43,700	-
Commerce	Pass-through	11.438	15-FAA-367186-MSU	AUBURN UNIVERSITY	12,817	-
Commerce	Pass-through	11.454	0303.12.030756	NATL FISH & WILDLIFE FOUNDATIO	715	-
	Pass-through Total				<u>495,814</u>	<u>13,236</u>
Commerce Total					760,927	13,236
Defense	Direct	12.116	W912HQ-12-C-0020	ARMY US DEPT OF	255,421	-
Defense	Direct	12.116	W912HQ-13-C-0071	ARMY US CORPS OF ENGINEERS	149,321	11,120
Defense	Direct	12.116	FA9453-14-C-0215	AIR FORCE RESEARCH LABORATORY	73,811	-
Defense	Direct	12.116	HQ0034-10-C-0036	DEFENSE US DEPT OF	14,688	-
Defense	Direct	12.116	W56HZV-14-C-0246	ARMY US DEPT OF	12,598	-
Defense	Direct	12.116	W912HQ-12-C-0017	ARMY US DEPT OF	5,702	-
Defense	Direct	12.116	W56HZV-13-C-0340	ARMY US DEPT OF	407	-
Defense	Direct	12.300	W9126G-12-2-0020	ARMY US CORPS OF ENGINEERS	224,369	58,769
Defense	Direct	12.300	N00014-14-1-0216	NAVAL RESEARCH US OFFICE OF US	165,710	-
Defense	Direct	12.300	N00014-15-1-2070	NAVAL RESEARCH US OFFICE OF US	151,347	-
Defense	Direct	12.300	N00014-15-1-2005	NAVAL RESEARCH US OFFICE OF US	145,215	-
Defense	Direct	12.300	W9126G-13-2-0022	ARMY US CORPS OF ENGINEERS	124,122	124,122
Defense	Direct	12.300	W912G-14-2-0044	ARMY US DEPT OF	90,448	-
Defense	Direct	12.300	N00014-14-1-0631	NAVY US DEPARTMENT OF	62,608	-
Defense	Direct	12.300	N00014-13-1-0247	NAVAL RESEARCH US OFFICE OF US	51,540	-
Defense	Direct	12.300	N00014-16-1-2457	NAVAL RESEARCH US OFFICE OF US	49,429	-
Defense	Direct	12.300	N00014-16-1-2109	NAVAL RESEARCH US OFFICE OF US	37,627	-
Defense	Direct	12.300	N00014-11-1-0410	NAVAL RESEARCH US OFFICE OF US	31,393	-
Defense	Direct	12.300	N00014-12-1-0431	NAVAL RESEARCH US OFFICE OF US	15,352	-
Defense	Direct	12.300	N00014-16-1-2760	NAVAL RESEARCH US OFFICE OF US	4,977	-
Defense	Direct	12.300	N00164-14-1-1008	NAVAL RESEARCH US OFFICE OF US	1,301	-
Defense	Direct	12.420	W81XWH-15-1-0689	ARMY US DEPT OF	156,016	-
Defense	Direct	12.420	W81XWH-12-1-0418	ARMY US DEPT OF	151,289	39,074
Defense	Direct	12.420	W81XWH-15-1-0018	ARMY US DEPT OF	123,878	-
Defense	Direct	12.420	W81XWH-14-1-0349	ARMY US DEPT OF	59,076	-
Defense	Direct	12.420	W81XWH-15-1-0453	ARMY US DEPT OF	53,971	-
Defense	Direct	12.420	W81XWH-15-1-0689	ARMY US DEPT OF	43,093	-
Defense	Direct	12.420	W81XWH-15-1-0454	ARMY US DEPT OF	9,748	-
Defense	Direct	12.420	W81XWH-10-1-0579	ARMY US DEPT OF	1,075	-
Defense	Direct	12.420	W81XWH-12-1-0466	ARMY RESEARCH OFFICE US	(960)	-
Defense	Direct	12.431	W911NF-14-1-0063	ARMY RESEARCH OFFICE US	151,938	-
Defense	Direct	12.431	W911NF-15-1-0487	ARMY RESEARCH OFFICE US	144,441	-
Defense	Direct	12.431	W911NF-14-1-0327	ARMY RESEARCH OFFICE US	141,918	-
Defense	Direct	12.431	W911NF-12-1-0235	ARMY RESEARCH OFFICE US	134,677	-
Defense	Direct	12.431	W911NF-11-1-0383	ARMY RESEARCH OFFICE US	13,871	-
Defense	Direct	12.431	W911NF-14-1-0063	ARMY RESEARCH OFFICE US	6,865	-
Defense	Direct	12.630	W911NF-14-1-0026	ARMY US DEPT OF	208,547	-
Defense	Direct	12.630	HM04761510001	NATL GEOSPATIAL-INTELLIGENCE A	137,352	-
Defense	Direct	12.630	HM02101310002	NATL GEOSPATIAL-INTELLIGENCE A	89,904	-
Defense	Direct	12.800	FA9550-11-1-010	AIR FORCE OFFICE OF SCIENTIFIC	294,827	-
Defense	Direct	12.800	FA9550-15-1-0224	AIR FORCE OFFICE OF SCIENTIFIC	207,396	-
Defense	Direct	12.800	FA9550-12-1-0455	AIR FORCE OFFICE OF SCIENTIFIC	199,223	176,663
Defense	Direct	12.800	FA9550-15-1-0282	AIR FORCE OFFICE OF SCIENTIFIC	134,484	-
Defense	Direct	12.800	FA9550-12-1-0343	AIR FORCE OFFICE OF SCIENTIFIC	123,033	-
Defense	Direct	12.800	FA9550-14-1-0312	AIR FORCE OFFICE OF SCIENTIFIC	11,865	-
Defense	Direct	12.800	FA2386-14-1-3005	AIR FORCE OFFICE OF SCIENTIFIC	1,900	-
Defense	Direct	12.901	H98230-16-1-0031	NATL SECURITY AGENCY	33,600	-
Defense	Direct	12.901	H98230-16-1-0031	NATL SECURITY AGENCY	4,770	-
Defense	Direct	12.901	H98230-15-1-0260	NATL SECURITY AGENCY	1,846	-
Defense	Direct	12.901	H98230-13-1-0275	NATL SECURITY AGENCY	(1,900)	-
Defense	Direct	12.910	HR0011-15-2-0002	DEFENSE ADVANCED RESEARCH PROJ	1,363,368	1,338,971
Defense	Direct	12.910	HR0011-15-2-0034	DEFENSE ADVANCED RESEARCH PROJ	310,384	-
Defense	Direct	12.910	FA8650-15-1-7525	DEFENSE ADVANCED RESEARCH PROJ	218,122	204,747
Defense	Direct	12.910	W56HZV-07-2-0001	ARMY US DEPT OF	118,933	139,265
Defense	Direct	12.910	FA8650-16-1-7600	DEFENSE ADVANCED RESEARCH PROJ	82,849	-
Defense	Direct	12.910	N66001-14-1-4038	DEFENSE ADVANCED RESEARCH PROJ	76,425	-
Defense	Direct	12.910	W56HZV-07-2-0001	ARMY US DEPT OF	51,620	-
Defense	Direct	12.910	N66001-12-1-4238	DEFENSE ADVANCED RESEARCH PROJ	42,947	-
Defense	Direct	12.910	W56HZV-07-2-0001	ARMY US DEPT OF	31,886	-
Defense	Direct	12.910	HR0011-14-2-0007	DEFENSE ADVANCED RESEARCH PROJ	15,399	-
	Direct Total				<u>6,617,062</u>	<u>2,092,731</u>
Defense	Pass-through	12	FA8650-15-M-1939-MSU	TECH-X CORPORATION	45,077	-
Defense	Pass-through	12	FA8650-16-C-1764-MSU	TECH-X CORPORATION	1,266	-
Defense	Pass-through	12.116	8140000819	NORTHROP GRUMMAN CORP	553,107	-
Defense	Pass-through	12.116	13-S7128-01-C1	UNIVERSAL TECHNOLOGY CORPORATI	338,770	34,460
Defense	Pass-through	12.116	4200876747	RAYTHEON COMPANY	139,138	-
Defense	Pass-through	12.116	12-S7114-02-C1	UNIVERSAL TECHNOLOGY CORPORATI	130,317	-
Defense	Pass-through	12.116	VEM-MSU-2	VIRTUAL EM, INC.	95,993	-
Defense	Pass-through	12.116	#DRC.MSU.IDIQ.RADIAEM.15 Task Order #002	RIVERSIDE RESEARCH	95,102	-
Defense	Pass-through	12.116	DRC.MSU.IDIQ.RADIAEM.15 Task Order #001	RIVERSIDE RESEARCH	57,307	-
Defense	Pass-through	12.116	7000295420	MASSACHUSETTS INST OF TECHNOLO	35,989	-
Defense	Pass-through	12.116	16-S7412-06-C1	UNIVERSAL TECHNOLOGY CORPORATI	31,439	-
Defense	Pass-through	12.116	SC001-000000875	DRAPER LABORATORY	31,153	-
Defense	Pass-through	12.116	45714.t.yonts: SCRTS-003	MATRIX RESEARCH INC	28,810	-
Defense	Pass-through	12.116	FA8750-11-C-0201	RAYTHEON COMPANY	16,869	-
Defense	Pass-through	12.116	HDTRA1-11-1-0061	US CIVILIAN RESEARCH & DEVELOPMENT FOUNDATION	16,216	-
Defense	Pass-through	12.116	W9132T-15-C-002-MSU	METNA CO.	4,779	-
Defense	Pass-through	12.300	Z8907001	MARYLAND UNIV OF	82,636	-
Defense	Pass-through	12.420	2289	HENRY M. JACKSON FOUNDATION FO	227,850	-
Defense	Pass-through	12.420	UWSC8721	WASHINGTON UNIVERSITY OF	23,655	-
Defense	Pass-through	12.420	731265	WASHINGTON UNIVERSITY OF	2,920	-
Defense	Pass-through	12.431	00000834	BROWN UNIVERSITY	177,100	-
Defense	Pass-through	12.431	10034220-S1	UTAH UNIVERSITY OF	167,676	-
Defense	Pass-through	12.800	RFO1224336	OHIO STATE UNIVERSITY	175,777	-
Defense	Pass-through	12.800	NMCO155-01	NEW MEXICO CONSORTIUM	67,171	-
Defense	Pass-through	12.910	1015 S TA037	REGENTS OF THE UNIVERSITY OF C	184,441	-
Defense	Pass-through	12.910	60544806-108130	LELAND STANFORD JUNIOR UNIVERSITY	60,626	-
Defense	Pass-through	12.910	14-503	ARIZONA STATE UNIVERSITY	59,524	-
Defense	Pass-through	12.910	6A-1089079	CALTECH	(8,277)	-
	Pass-through Total				<u>2,842,431</u>	<u>34,460</u>
Defense Total					9,459,493	2,127,191
Education	Direct	84.015	P015B140098	EDUCATION U.S. DEPT OF	277,969	-
Education	Direct	84.021	P021B120017 - 15	EDUCATION U.S. DEPT OF	81,171	-
Education	Direct	84.021	P021B120017 - 15	EDUCATION U.S. DEPT OF	4,265	-
Education	Direct	84.200	P200A120149-14	EDUCATION U.S. DEPT OF	127,124	-
Education	Direct	84.305	R305A120416 - 15	EDUCATION U.S. DEPT OF	200,286	9,135
Education	Direct	84.305	R305A150210 - 16	EDUCATION U.S. DEPT OF	194,022	25,053
Education	Direct	84.305	R305A110293	EDUCATION U.S. DEPT OF	156,990	72,217

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
Education	Direct	84.305	R305A100040-12B	EDUCATION U.S. DEPT OF	\$ 148,792	\$ 123,672.00
Education	Direct	84.305	R305D100028-12	EDUCATION U.S. DEPT OF	3,255	3,255
Education	Direct	84.324	R324A150063 - 15A	EDUCATION U.S. DEPT OF	306,933	-
	Direct Total				1,500,807	233,332
Education	Pass-through	84.010	151580-14-15 TAG	GOGEBIC ONTONAGON ISD	178,834	-
Education	Pass-through	84.010	GOISD - College Ambition Project	MICHIGAN DEPARTMENT OF EDUCATI	71,763	-
Education	Pass-through	84.126	MRS-14-99004	MI DEPT OF HUMAN SERVICES	247,831	-
Education	Pass-through	84.126	MRS-14-99004	MI DEPT OF HUMAN SERVICES	87,540	-
Education	Pass-through	84.133	282K741	WISCONSIN UNIV OF	26,247	-
Education	Pass-through	84.263	84.263B P000160361	WISCONSIN STOUT UNIVERSITY OF	10,425	-
Education	Pass-through	84.287	152122 - MSUEVAL	MICHIGAN DEPARTMENT OF EDUCATI	200,956	-
Education	Pass-through	84.287	162122 - MSUEVAL	MICHIGAN DEPARTMENT OF EDUCATI	184,806	-
Education	Pass-through	84.305	3001899706	UNIV OF MICHIGAN	457,718	-
Education	Pass-through	84.305	224640A	OREGON UNIVERSITY OF	54,925	-
Education	Pass-through	84.305	224000H	OREGON UNIVERSITY OF	47,079	-
Education	Pass-through	84.305	60041919	AMER INSTITUTES FOR RESEARCH	39,298	-
Education	Pass-through	84.305	ED162A-A	OREGON STATE UNIVERSITY	22,072	-
Education	Pass-through	84.324	CC - R324A130216	CANISIUS COLLEGE	26,777	-
Education	Pass-through	84.412	ABLE SYSTEMS CHANGE PILOT	ILLINOIS ACTION FOR CHILDREN	115,949	-
	Pass-through Total				1,772,220	-
Education Total					3,273,027	233,332
Energy	Direct	81	270062	BROOKHAVEN NATL LABORATORY	196,372	-
Energy	Direct	81	276363	LOS ALAMOS NATL LABORATORY	158,418	-
Energy	Direct	81	317612	LOS ALAMOS NATL LABORATORY	112,907	-
Energy	Direct	81	TCS72964	ENERGY US DEPT OF	94,206	-
Energy	Direct	81	319838	LOS ALAMOS NATL LABORATORY	70,109	-
Energy	Direct	81	332574	LOS ALAMOS NATL LABORATORY	48,324	-
Energy	Direct	81	300839	BROOKHAVEN NATL LABORATORY	47,360	-
Energy	Direct	81	5F-31141	ARGONNE NATL LABORATORY	46,915	-
Energy	Direct	81	621317	FERMI NATL ACCELERATOR LAB	22,243	-
Energy	Direct	81	308720	BROOKHAVEN NATL LABORATORY	4,307	-
Energy	Direct	81	IF-30302	ARGONNE NATL LABORATORY	598	-
Energy	Direct	81	257115	BROOKHAVEN NATL LABORATORY	224	-
Energy	Direct	81.049	DE-SC0000661	ENERGY US DEPT OF	77,531,259	5,592,440
Energy	Direct	81.049	DE-SC0000661	ENERGY US DEPT OF	74,863,870	-
Energy	Direct	81.049	DE-FG02-91ER20021	ENERGY US DEPT OF	2,850,248	-
Energy	Direct	81.049	DE-SC0014384	ENERGY US DEPT OF	481,638	169,370
Energy	Direct	81.049	DE-SC0014537	ENERGY US DEPT OF	451,297	-
Energy	Direct	81.049	DE-FG02-08ER41546	ENERGY US DEPT OF	248,706	-
Energy	Direct	81.049	DE-FG02-98ER20305	ENERGY US DEPT OF	237,347	-
Energy	Direct	81.049	DE-SC0001054	ENERGY US DEPT OF	236,978	9,991
Energy	Direct	81.049	DE-SC0008509	ENERGY US DEPT OF	232,384	-
Energy	Direct	81.049	DE-SC0013365	ENERGY US DEPT OF	208,442	-
Energy	Direct	81.049	DE-FG02-08ER15929	ENERGY US DEPT OF	202,266	-
Energy	Direct	81.049	DE-FG02-99ER62848	ENERGY US DEPT OF	199,667	-
Energy	Direct	81.049	DE-FG02-01ER15282	ENERGY US DEPT OF	190,168	-
Energy	Direct	81.049	DE-FG02-06ER15808	ENERGY US DEPT OF	188,489	-
Energy	Direct	81.049	DE-FG02-06ER46309	ENERGY US DEPT OF	183,244	-
Energy	Direct	81.049	DE-SC0014108	ENERGY US DEPT OF	176,917	-
Energy	Direct	81.049	DE-SC0001525	ENERGY US DEPT OF	172,621	-
Energy	Direct	81.049	DE-SC0006956	ENERGY US DEPT OF	168,627	-
Energy	Direct	81.049	DE-SC0009962	ENERGY US DEPT OF	157,289	-
Energy	Direct	81.049	DE-SC0006400	ENERGY US DEPT OF	156,372	-
Energy	Direct	81.049	DE-SC0008338	ENERGY US DEPT OF	152,446	84,621
Energy	Direct	81.049	DE-SC0010847	ENERGY US DEPT OF	151,174	51,949
Energy	Direct	81.049	DE-SC0004835	ENERGY US DEPT OF	147,504	-
Energy	Direct	81.049	DE-FG02-01ER15228	ENERGY US DEPT OF	146,759	-
Energy	Direct	81.049	DE-SC0007101	ENERGY US DEPT OF	117,247	-
Energy	Direct	81.049	DE-SC0008511	ENERGY US DEPT OF	108,398	-
Energy	Direct	81.049	DE-SC0008511	ENERGY US DEPT OF	106,804	-
Energy	Direct	81.049	DE-FG02-98ER14907	ENERGY US DEPT OF	103,390	-
Energy	Direct	81.049	DE-SC0014554	ENERGY US DEPT OF	82,708	52,591
Energy	Direct	81.049	DE-FG02-03ER41259	ENERGY US DEPT OF	80,131	-
Energy	Direct	81.049	DE-SC0010472	ENERGY US DEPT OF	80,057	-
Energy	Direct	81.049	DE-SC0014108	ENERGY US DEPT OF	72,839	-
Energy	Direct	81.049	DE-SC0002325	ENERGY US DEPT OF	66,657	-
Energy	Direct	81.049	DE-FG02-08ER41556	ENERGY US DEPT OF	58,846	-
Energy	Direct	81.049	DE-SC0013617	ENERGY US DEPT OF	55,274	-
Energy	Direct	81.049	DE-SC0014530	ENERGY US DEPT OF	48,343	-
Energy	Direct	81.049	DE-FG02-98ER41070	ENERGY US DEPT OF	32,408	-
Energy	Direct	81.049	DE-SC0015646	ENERGY US DEPT OF	23,025	-
Energy	Direct	81.049	DE-FG02-08ER41556	ENERGY US DEPT OF	11,600	-
Energy	Direct	81.049	DE-FG02-06ER46341	ENERGY US DEPT OF	5,906	-
Energy	Direct	81.049	DE-SC0004087	ENERGY US DEPT OF	800	-
Energy	Direct	81.049	DE-SC0014108	ENERGY US DEPT OF	315	-
Energy	Direct	81.086	DE-EE0006424	ENERGY US DEPT OF	188,439	-
Energy	Direct	81.089	DE-FE0023315	ENERGY US DEPT OF	192,589	-
Energy	Direct	81.112	DE-NA0002847	ENERGY US DEPT OF	123,535	-
Energy	Direct	81.112	DE-NA0002574	ENERGY US DEPT OF	120,316	-
Energy	Direct	81.112	DE-NA0002924	ENERGY US DEPT OF	56,820	-
Energy	Direct	81.112	DE-NA0002923	ENERGY US DEPT OF	28,179	-
Energy	Direct	81.122	DE-OE0000625	ENERGY US DEPT OF	221,181	15,652
Energy	Direct	81.135	DE-AR0000455	ENERGY US DEPT OF	644,629	286,572
Energy	Direct	81.135	DE-AR0000222	ENERGY US DEPT OF	29,604	-
	Direct Total				163,197,735	6,263,186
Energy	Pass-through	81	6F-31063	UCHICAGO ARGONNE, LLC	66,885	-
Energy	Pass-through	81	16-P0616	JEFFERSON SCIENCE ASSOCIATES L	41,723	-
Energy	Pass-through	81	3TP676	SOUTH DAKOTA STATE UNIVERSITY	38,790	-
Energy	Pass-through	81	JSA-10-C1122A	JEFFERSON SCIENCE ASSOCIATES L	29,528	-
Energy	Pass-through	81	3TP676	SOUTH DAKOTA STATE UNIVERSITY	25,855	-
Energy	Pass-through	81	4000131635	UT BATTELLE LLC (ORNL)	(2,146)	-
Energy	Pass-through	81.036	AMP802	US AUTOMOTIVE MATLS PARTNERSHP	29,014	-
Energy	Pass-through	81.049	384H963	BD OF REGENTS OF THE UNIV WISC	8,503,997	-
Energy	Pass-through	81.049	NFL STTR DE-SC0006191	NAMESFORLIFE LLC	219,925	-
Energy	Pass-through	81.049	SBIR DE-SC0011313	TRANSLUME, INC.	200,635	-
Energy	Pass-through	81.049	130300-5085053	HARVARD UNIVERSITY	187,741	-
Energy	Pass-through	81.049	17630-27181004	MARYLAND UNIV OF	103,246	-
Energy	Pass-through	81.049	2014-13	OKLAHOMA UNIVERSITY OF	71,133	-
Energy	Pass-through	81.049	145841	KOPESS BIOMASS SOLUTIONS LLC	38,818	-
Energy	Pass-through	81.049	5102729	UNIVERSITY OF NORTH CAROLINA AT CH	36,215	-
Energy	Pass-through	81.049	21017-MS	DONALD DANFORTH PLANT SCIENCE	33,170	-
Energy	Pass-through	81.049	3003805140	UNIV OF MICHIGAN	26,791	-
Energy	Pass-through	81.049	C15-25	RADIATION MONITORING DEVICES	4,809	-
Energy	Pass-through	81.049	UHV-1501	UHV TECHNOLOGIES INC	1,796	-
Energy	Pass-through	81.049	APP 128563-K3840	SHEAR FORM INC	958	-
Energy	Pass-through	81.049	APP123404	E3TEC SERVICE, LLC	(5,307)	-
Energy	Pass-through	81.049	123473/3617	POWDERMET, INC	(6,920)	-
Energy	Pass-through	81.049	130643	POWDERMET, INC	(13,130)	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
Energy	Pass-through	81.079	3TK155	SOUTH DAKOTA STATE UNIVERSITY	\$ 7,761	\$ -
Energy	Pass-through	81.079	3TB155	SOUTH DAKOTA STATE UNIVERSITY	533	-
Energy	Pass-through	81.086	PA16-0349-3.1-01	COLLABORATIVE COMPOSITE SOLUTIONS	630,178	-
Energy	Pass-through	81.086	CCSD A16-0349-S005 Drzal	COLLABORATIVE COMPOSITE SOLUTION	77	-
Energy	Pass-through	81.086	PO TCS62389	GENERAL MOTORS CORPORATION	(14)	-
Energy	Pass-through	81.087	NCGA - DE-FG36-04GO14216	NATL CORN GROWERS ASSOCIATION	31,276	-
Energy	Pass-through	81.087	503016-78054	NORTHEASTERN UNIV	(2,111)	-
Energy	Pass-through	81.112	S1928815 5109	RUTGERS, THE STATE UNIVERSITY	211,714	-
Energy	Pass-through	81.112	S1924106 5108	RUTGERS, THE STATE UNIVERSITY	67,033	-
Energy	Pass-through	81.113	00007638	UNIV OF CALIFORNIA BERKELEY	859,393	-
Energy	Pass-through	81.135	21709-MI	DONALD DANFORTH PLANT SCIENCE	163,486	-
	Pass-through Total				<u>11,602,852</u>	<u>-</u>
Energy Total					174,800,587	6,263,186
Environmental Protection Agency	Direct	66.001	GL-00E00461-1	ENVIRONMENTAL PROTECTION AGENC	321,172	-
Environmental Protection Agency	Direct	66.001	83589201	ENVIRONMENTAL PROTECTION AGENC	206,437	-
Environmental Protection Agency	Direct	66.469	GL-00E01294	ENVIRONMENTAL PROTECTION AGENC	139,110	-
Environmental Protection Agency	Direct	66.469	GL-00E01127-0	ENVIRONMENTAL PROTECTION AGENC	118,901	-
Environmental Protection Agency	Direct	66.469	GL-00E01294	ENVIRONMENTAL PROTECTION AGENC	13,273	-
Environmental Protection Agency	Direct	66.509	83479701	ENVIRONMENTAL PROTECTION AGENC	662,814	662,814
Environmental Protection Agency	Direct	66.509	83479701	ENVIRONMENTAL PROTECTION AGENC	298,858	298,858
Environmental Protection Agency	Direct	66.509	83479701	ENVIRONMENTAL PROTECTION AGENC	235,116	-
Environmental Protection Agency	Direct	66.509	RD-83520301-1	ENVIRONMENTAL PROTECTION AGENC	160,813	-
Environmental Protection Agency	Direct	66.509	83479701	ENVIRONMENTAL PROTECTION AGENC	106,112	-
Environmental Protection Agency	Direct	66.509	83579801	ENVIRONMENTAL PROTECTION AGENC	79,770	34,672
Environmental Protection Agency	Direct	66.509	RD-83518301	ENVIRONMENTAL PROTECTION AGENC	15,518	8,386
Environmental Protection Agency	Direct	66.511	CR83422601	ENVIRONMENTAL PROTECTION AGENC	208,542	177,280
Environmental Protection Agency	Direct	66.516	83594101	ENVIRONMENTAL PROTECTION AGENC	25,585	-
Environmental Protection Agency	Direct	66.516	83572001	ENVIRONMENTAL PROTECTION AGENC	3,850	-
Environmental Protection Agency	Direct	66.951	00E01570-0	ENVIRONMENTAL PROTECTION AGENC	6,381	-
	Direct Total				<u>2,602,252</u>	<u>1,182,010</u>
Environmental Protection Agency	Pass-through	66.469	EPA-R5-GL2014-2	THE STEWARDSHIP NETWORK	17,492	-
Environmental Protection Agency	Pass-through	66.509	2013-04551-02	ILLINOIS UNIV OF -	24,372	-
Environmental Protection Agency	Pass-through	66.509	3002303905	UNIV OF MICHIGAN	14,517	-
Environmental Protection Agency	Pass-through	66.509	3001874501	UNIV OF MICHIGAN	1,616	-
Environmental Protection Agency	Pass-through	66.608	OS83549201	MI ENVIRONMENTAL QUALITY	17,253	-
	Pass-through Total				<u>75,250</u>	<u>-</u>
Environmental Protection Agency Total					2,677,502	1,182,010
Federal Council on the Arts and Humanities	Direct	45.024	15-5500-7116	NATL ENDOWMENT FOR THE ARTS	21,448	-
Federal Council on the Arts and Humanities	Direct	45.149	PW-51639-14	NATL ENDOWMENT FOR THE HUMANIT	90,332	-
Federal Council on the Arts and Humanities	Direct	45.161	RZ-51461-12	NATL ENDOWMENT FOR THE HUMANIT	41,999	22,400
Federal Council on the Arts and Humanities	Direct	45.163	EH-50443-14	NATL ENDOWMENT FOR THE HUMANIT	168,504	-
Federal Council on the Arts and Humanities	Direct	45.169	HK-50173-14	NATL ENDOWMENT FOR THE HUMANIT	100,445	-
	Direct Total				<u>422,728</u>	<u>22,400</u>
Federal Council on the Arts and Humanities	Pass-through	45.025	15SF0007SV	MI COUNCIL ARTS & CULTURAL AFF	25,055	-
	Pass-through Total				<u>25,055</u>	<u>-</u>
Federal Council on the Arts and Humanities Total					447,783	22,400
Health and Human Services	Direct	93	200-2016-89831	CENTER FOR DISEASE CONTROL -PH	50,677	-
Health and Human Services	Direct	93.001	R01HD083273	NATL INST OF HEALTH - NIH/PHS	118,675	548
Health and Human Services	Direct	93.001	200-2014-M-58133	CENTER FOR DISEASE CONTROL -PH	14,499	-
Health and Human Services	Direct	93.110	5 R40MC27704-03-00	HEALTH RESOURCES & SERVICES AD	269,922	-
Health and Human Services	Direct	93.113	5R01ES022302-03	NATL INST OF ENVIRON HEALTH SC	624,413	328,792
Health and Human Services	Direct	93.113	5R01ES024064-02	NATL INST OF ENVIRON HEALTH SC	552,111	-
Health and Human Services	Direct	93.113	5U01ES026119-02	NATL INST OF ENVIRON HEALTH SC	428,265	45,382
Health and Human Services	Direct	93.113	5T3ES007255-28	NATL INST OF ENVIRON HEALTH SC	256,293	-
Health and Human Services	Direct	93.113	5R21ES024470-02	NATL INST OF ENVIRON HEALTH SC	236,764	26,814
Health and Human Services	Direct	93.113	5U01ES020885-04	NATL INST OF ENVIRON HEALTH SC	203,007	-
Health and Human Services	Direct	93.113	4R01ES002520-29	NATL INST OF ENVIRON HEALTH SC	189,164	-
Health and Human Services	Direct	93.113	5R01ES017537-07	NATL INST OF ENVIRON HEALTH SC	185,685	11,306
Health and Human Services	Direct	93.113	5T3ES007255-28	NATL INST OF ENVIRON HEALTH SC	151,260	-
Health and Human Services	Direct	93.113	5R21ES026022 - 02	NATL INST OF ENVIRON HEALTH SC	144,242	67,243
Health and Human Services	Direct	93.113	1R01ES024966-01A1 Revised	NATL INST OF ENVIRON HEALTH SC	137,390	-
Health and Human Services	Direct	93.113	5U01ES019434-05	NATL INST OF ENVIRON HEALTH SC	78,772	-
Health and Human Services	Direct	93.113	5R25ES0250602-02	NATL INST OF ENVIRON HEALTH SC	43,096	-
Health and Human Services	Direct	93.113	5R00ES018885-05	NATL INST OF ENVIRON HEALTH SC	5,946	-
Health and Human Services	Direct	93.113	5R01ES017777-05	NATL INST OF ENVIRON HEALTH SC	5,616	-
Health and Human Services	Direct	93.113	5T3ES007255-25	NATL INST OF ENVIRON HEALTH SC	2,174	-
Health and Human Services	Direct	93.113	5R01ES017537-05	NATL INST OF ENVIRON HEALTH SC	1,033	-
Health and Human Services	Direct	93.121	5R03DE023889-02	NATL INST DENTAL & CRANIOFACIA	182,326	20,440
Health and Human Services	Direct	93.121	1F32DE026346-01 revised	NATL INST DENTAL & CRANIOFACIA	3,787	-
Health and Human Services	Direct	93.121	5R03DE022379-02Revised	NATL INST DENTAL & CRANIOFACIA	(5,051)	-
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	306,985	-
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	300,149	-
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	280,212	-
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	257,060	257,060
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	243,808	-
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	235,272	-
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	226,426	-
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	170,090	-
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	158,683	-
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	152,681	-
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	132,510	-
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	126,944	126,944
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	99,814	99,814
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	94,278	-
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	79,726	-
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	46,460	46,460
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	17,686	-
Health and Human Services	Direct	93.143	3P42RS004911-2351	NATL INST OF ENVIRON HEALTH SC	16,245	-
Health and Human Services	Direct	93.143	4PA2ES004911-25	NATL INST OF ENVIRON HEALTH SC	14,536	9,470
Health and Human Services	Direct	93.172	5R01HG007060-03	NATL INST OF HEALTH - NIH/PHS	419,635	-
Health and Human Services	Direct	93.172	5R00HG007065-04	NATL INST OF HEALTH - NIH/PHS	214,135	-
Health and Human Services	Direct	93.172	5R25HG006243-04	NATL INST OF HEALTH - NIH/PHS	4,643	-
Health and Human Services	Direct	93.172	5R01HG007513-02	NATL INST OF HEALTH - NIH/PHS	(2)	-
Health and Human Services	Direct	93.173	5R01DC012315-04	NATL INST DEAFNESS & OTH COMM	444,511	141,749
Health and Human Services	Direct	93.173	5R03DC012434-03	NATL INST DEAFNESS & OTH COMM	21,881	-
Health and Human Services	Direct	93.173	R03DC010266	NATL INST DEAFNESS & OTH COMM	1,144	-
Health and Human Services	Direct	93.173	5R01DC009029-08	NATL INST DEAFNESS & OTH COMM	1	-
Health and Human Services	Direct	93.213	3U19AT006057-01A1S1	NATL INST OF HEALTH - NIH/PHS	826,817	-
Health and Human Services	Direct	93.213	4R01AT007695-04	NATL INST OF HEALTH - NIH/PHS	482,317	73,491
Health and Human Services	Direct	93.213	5U19AT006057-04	NATL INST OF HEALTH - NIH/PHS	67,718	-
Health and Human Services	Direct	93.213	5F32AT008761-02	NATL INST OF HEALTH - NIH/PHS	42,322	-
Health and Human Services	Direct	93.213	5F32AT007513-02	NATL INST OF HEALTH - NIH/PHS	4,861	-
Health and Human Services	Direct	93.213	1K99AT009156-01A1	NATL INST OF HEALTH - NIH/PHS	54	-
Health and Human Services	Direct	93.226	5R18HS020208-05	AGENCY FOR HEALTHCARE RSCH & Q	553,150	151,884
Health and Human Services	Direct	93.226	5R21HS022335-02	AGENCY FOR HEALTHCARE RSCH & Q	132,144	-
Health and Human Services	Direct	93.226	5K08HS018104-05	AGENCY FOR HEALTHCARE RSCH & Q	2,852	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
Health and Human Services	Direct	93.226	1R03HS022559-01	AGENCY FOR HEALTHCARE RSCH & Q	\$ (52,852)	\$ -
Health and Human Services	Direct	93.242	5U01MH106660-02	NATL INST OF MENTAL HLTH -NIH/	649,434	308,816
Health and Human Services	Direct	93.242	4R01MH096705-05	NATL INST OF MENTAL HLTH -NIH/	447,298	-
Health and Human Services	Direct	93.242	5R01MH085324-06	NATL INST OF MENTAL HLTH -NIH/	443,362	-
Health and Human Services	Direct	93.242	4R01MH093445-05	NATL INST OF MENTAL HLTH -NIH/	350,398	-
Health and Human Services	Direct	93.242	5R01MH092377-05	NATL INST OF MENTAL HLTH -NIH/	316,272	-
Health and Human Services	Direct	93.242	5R21MH105626-02	NATL INST OF MENTAL HLTH -NIH/	205,151	95,065
Health and Human Services	Direct	93.242	5R21MH104780-02	NATL INST OF MENTAL HLTH -NIH/	174,819	-
Health and Human Services	Direct	93.242	5R21MH100238-02	NATL INST OF MENTAL HLTH -NIH/	145,974	9,505
Health and Human Services	Direct	93.242	5R01MH104622-02	NATL INST OF MENTAL HLTH -NIH/	144,716	85,644
Health and Human Services	Direct	93.242	7R21MH100515-03	NATL INST OF MENTAL HLTH -NIH/	102,260	39,668
Health and Human Services	Direct	93.242	R01MH108511	NATL INST OF MENTAL HLTH -NIH/	56,830	-
Health and Human Services	Direct	93.242	5R01MH085324-06	NATL INST OF MENTAL HLTH -NIH/	44,743	44,067
Health and Human Services	Direct	93.242	5R01MH068764-07	NATL INST OF MENTAL HLTH -NIH/	(313)	-
Health and Human Services	Direct	93.242	5T32MH070343-10 REVISED	NATL INST OF MENTAL HLTH -NIH/	(890)	-
Health and Human Services	Direct	93.262	5U60OH008466-12	NATL INST OCCUP SAFETY &HEALTH	465,825	101,144
Health and Human Services	Direct	93.262	5U60OH008466-12	NATL INST OCCUP SAFETY &HEALTH	145,519	15,000
Health and Human Services	Direct	93.262	5U60OH008466-10	NATL INST OCCUP SAFETY &HEALTH	36,647	34,902
Health and Human Services	Direct	93.262	5R01OH009644-04	NATL INST OCCUP SAFETY &HEALTH	8,938	2,267
Health and Human Services	Direct	93.273	5R01AA019676-05	NATL INST OF HEALTH - NIH/PHS	(2,919)	-
Health and Human Services	Direct	93.279	5R01DA039112-02	NATL INST OF HEALTH - NIH/PHS	635,721	172,307
Health and Human Services	Direct	93.279	5K01DA036747-03	NATL INST OF HEALTH - NIH/PHS	227,903	-
Health and Human Services	Direct	93.279	4K01DA033346-04	NATL INST ON DRUG ABUSE -NIH/P	210,632	-
Health and Human Services	Direct	93.279	4T32DA021129-10	NATL INST ON DRUG ABUSE -NIH/P	179,024	-
Health and Human Services	Direct	93.279	4T32DA021129-10	NATL INST ON DRUG ABUSE -NIH/P	113,992	-
Health and Human Services	Direct	93.279	5K05DA015799-11	NATL INST ON DRUG ABUSE -NIH/P	83,414	-
Health and Human Services	Direct	93.279	1R03DA037426-01A1	NATL INST OF HEALTH - NIH/PHS	67,690	-
Health and Human Services	Direct	93.279	5R25DA030310-05	NATL INST ON DRUG ABUSE -NIH/P	29,649	2,779
Health and Human Services	Direct	93.279	1R03DA033455-01A1	NATL INST ON DRUG ABUSE -NIH/P	28,538	-
Health and Human Services	Direct	93.279	5R01DA007908-20	NATL INST ON DRUG ABUSE -NIH/P	7,820	-
Health and Human Services	Direct	93.279	3R01DA007908-19S1	NATL INST ON DRUG ABUSE -NIH/P	2,658	-
Health and Human Services	Direct	93.279	7R03DA029764-03	NATL INST ON DRUG ABUSE -NIH/P	2,549	-
Health and Human Services	Direct	93.279	5R03DA033495-02 REVISED	NATL INST OF HEALTH - NIH/PHS	8	-
Health and Human Services	Direct	93.279	4T32DA021129-10	NATL INST ON DRUG ABUSE -NIH/P	(1,897)	-
Health and Human Services	Direct	93.283	5U10DD000901-04	CENTER FOR DISEASE CONTROL -PH	814,622	-
Health and Human Services	Direct	93.286	5U01EB018818-02	NATL INST OF HEALTH - NIH/PHS	729,527	508,870
Health and Human Services	Direct	93.286	5R21EB017881-02	NATL INST OF HEALTH - NIH/PHS	171,389	-
Health and Human Services	Direct	93.286	5R00EB016753-03	NATL INST OF HEALTH - NIH/PHS	122,179	-
Health and Human Services	Direct	93.286	5R21EB016379-02	NATL INST OF HEALTH - NIH/PHS	37,872	37,738
Health and Human Services	Direct	93.286	5R01EB012079-04	NATL INST OF HEALTH - NIH/PHS	6,171	-
Health and Human Services	Direct	93.310	5DP7OD020320-02	NATL INST OF HEALTH - NIH/PHS	408,012	-
Health and Human Services	Direct	93.351	5R24OD012221-15 Revised	NATL INST CHILD HEALTH & HUMAN	859,585	132,543
Health and Human Services	Direct	93.351	5R01OD012206-04	NATL INST CHILD HEALTH & HUMAN	354,763	29,457
Health and Human Services	Direct	93.351	5R21OD019915-02	NATL INST CHILD HEALTH & HUMAN	283,049	-
Health and Human Services	Direct	93.351	5R25OD016534-03	NATL INST CHILD HEALTH & HUMAN	266,289	67,305
Health and Human Services	Direct	93.351	3R24OD012221-13S1	NATL INST CHILD HEALTH & HUMAN	94,576	79,781
Health and Human Services	Direct	93.351	5T32OD011167-13	NATL INST CHILD HEALTH & HUMAN	51,396	-
Health and Human Services	Direct	93.351	4T35OD016477-14	NATL INST CHILD HEALTH & HUMAN	42,583	-
Health and Human Services	Direct	93.351	4T35OD016477-14	NATL INST CHILD HEALTH & HUMAN	41,637	-
Health and Human Services	Direct	93.351	4R13OD012091-10	NATL INST CHILD HEALTH & HUMAN	32,000	-
Health and Human Services	Direct	93.351	5T32OD011167-13	NATL INST CHILD HEALTH & HUMAN	16,183	-
Health and Human Services	Direct	93.351	5R24OD012221-15 Revised	NATL INST CHILD HEALTH & HUMAN	(13,071)	-
Health and Human Services	Direct	93.361	5F31NR014754-02	NATL INST OF HEALTH - NIH/PHS	18,792	-
Health and Human Services	Direct	93.361	3R01NR011323-04S1	NATL INST OF HEALTH - NIH/PHS	123	-
Health and Human Services	Direct	93.361	5R01NR011323-05	NATL INST OF HEALTH - NIH/PHS	(10,726)	-
Health and Human Services	Direct	93.393	5R01CA151973-05	NATL INST OF HEALTH - NIH/PHS	562,128	261,616
Health and Human Services	Direct	93.393	4R01CA160514-05	NATL INST OF HEALTH - NIH/PHS	302,626	-
Health and Human Services	Direct	93.393	5R00CA177868-03	NATL INST OF HEALTH - NIH/PHS	253,717	-
Health and Human Services	Direct	93.393	5R21CA185021-02	NATL INST OF HEALTH - NIH/PHS	143,200	-
Health and Human Services	Direct	93.393	7R01CA153073-05 REVISED	NATL INST OF HEALTH - NIH/PHS	73,085	10,785
Health and Human Services	Direct	93.393	5R13CA162849-02	NATL INST OF HEALTH - NIH/PHS	6,660	-
Health and Human Services	Direct	93.394	5R21CA185163-02	NATL INST OF HEALTH - NIH/PHS	190,787	30,664
Health and Human Services	Direct	93.395	4R01CA162401-04	NATL CANCER INSTITUTE -NIH/PHS	915,291	418,241
Health and Human Services	Direct	93.395	5R01CA149451-05 REVISED	NATL CANCER INSTITUTE -NIH/PHS	354,133	166,856
Health and Human Services	Direct	93.395	5R01CA157459-05	NATL CANCER INSTITUTE -NIH/PHS	332,905	33,858
Health and Human Services	Direct	93.395	1R01CA193706-01A1	NATL CANCER INSTITUTE -NIH/PHS	148,978	7,011
Health and Human Services	Direct	93.395	5R21CA176854-02	NATL CANCER INSTITUTE -NIH/PHS	9,156	-
Health and Human Services	Direct	93.395	5R21CA164515-02	NATL CANCER INSTITUTE -NIH/PHS	8,994	-
Health and Human Services	Direct	93.395	1R15CA176595-01 REVISED	NATL CANCER INSTITUTE -NIH/PHS	1,703	-
Health and Human Services	Direct	93.396	5R01CA188305-02	NATL INST OF HEALTH - NIH/PHS	335,133	-
Health and Human Services	Direct	93.396	5R21CA182926-02	NATL INST OF HEALTH - NIH/PHS	88,954	-
Health and Human Services	Direct	93.396	5R21CA171251-02	NATL CANCER INSTITUTE -NIH/PHS	29,946	1,398
Health and Human Services	Direct	93.398	5K22CA188149-02	NATL CANCER INSTITUTE -NIH/PHS	168,049	-
Health and Human Services	Direct	93.398	1F31CA183272-01A1	NATL CANCER INSTITUTE -NIH/PHS	679	-
Health and Human Services	Direct	93.822	4D18HP23030-03-02	HEALTH RESOURCES & SERVICES AD	681,569	-
Health and Human Services	Direct	93.837	5R01HL109101-05	NATL HEART LUNG BLOOD INST -NI	416,173	36,560
Health and Human Services	Direct	93.837	5P01HL070687-12	NATL HEART LUNG BLOOD INST -NI	415,374	-
Health and Human Services	Direct	93.837	5R01HL117847-03	NATL HEART LUNG BLOOD INST -NI	346,407	-
Health and Human Services	Direct	93.837	5P01HL070687-12	NATL HEART LUNG BLOOD INST -NI	215,285	-
Health and Human Services	Direct	93.837	5R01HL107495-04	NATL HEART LUNG BLOOD INST -NI	214,495	-
Health and Human Services	Direct	93.837	4R00HL121160-03	NATL HEART LUNG BLOOD INST -NI	176,556	-
Health and Human Services	Direct	93.837	5R01HL115185-04	NATL HEART LUNG BLOOD INST -NI	172,796	-
Health and Human Services	Direct	93.837	5P01HL070687-12	NATL HEART LUNG BLOOD INST -NI	172,764	-
Health and Human Services	Direct	93.837	5R01HL117847-03	NATL HEART LUNG BLOOD INST -NI	141,878	-
Health and Human Services	Direct	93.837	5P01HL070687-12	NATL HEART LUNG BLOOD INST -NI	113,240	-
Health and Human Services	Direct	93.837	5R25HL108864-05	NATL HEART LUNG BLOOD INST -NI	112,429	-
Health and Human Services	Direct	93.837	5P01HL070687-12	NATL HEART LUNG BLOOD INST -NI	108,677	-
Health and Human Services	Direct	93.837	5K01HL128843-02	NATL HEART LUNG BLOOD INST -NI	104,399	-
Health and Human Services	Direct	93.837	4R00HL121073-03	NATL HEART LUNG BLOOD INST -NI	86,074	-
Health and Human Services	Direct	93.837	5P01HL070687-12	NATL HEART LUNG BLOOD INST -NI	77,934	-
Health and Human Services	Direct	93.837	5R21HL111916-02	NATL HEART LUNG BLOOD INST -NI	50,727	-
Health and Human Services	Direct	93.837	5P01HL070687-12	NATL HEART LUNG BLOOD INST -NI	49,383	-
Health and Human Services	Direct	93.837	5R25HL103156-05	NATL HEART LUNG BLOOD INST -NI	48,740	-
Health and Human Services	Direct	93.837	5R21HL113857-02 REVISED	NATL HEART LUNG BLOOD INST -NI	48,188	-
Health and Human Services	Direct	93.837	5F31HL128035 - 02	NATL HEART LUNG BLOOD INST -NI	30,916	-
Health and Human Services	Direct	93.837	2R25HL103156-06 Revised	NATL HEART LUNG BLOOD INST -NI	28,307	-
Health and Human Services	Direct	93.837	5R01HL130624 - 02	NATL HEART LUNG BLOOD INST -NI	11,304	-
Health and Human Services	Direct	93.837	5R01HL103825-04 REVISED	NATL HEART LUNG BLOOD INST -NI	10,619	33,795
Health and Human Services	Direct	93.837	2R25HL108864-06A1	NATL HEART LUNG BLOOD INST -NI	2,663	-
Health and Human Services	Direct	93.837	5P01HL070687-09	NATL HEART LUNG BLOOD INST -NI	214	-
Health and Human Services	Direct	93.837	5P01HL070687-09	NATL HEART LUNG BLOOD INST -NI	(159)	-
Health and Human Services	Direct	93.837	5R01HL109101-04	NATL HEART LUNG BLOOD INST -NI	(268)	-
Health and Human Services	Direct	93.837	5R01HL095637-05	NATL HEART LUNG BLOOD INST -NI	(2,321)	-
Health and Human Services	Direct	93.837	5P01HL070687-10 REVISED	NATL HEART LUNG BLOOD INST -NI	(3,066)	-
Health and Human Services	Direct	93.837	5P01HL070687-12	NATL HEART LUNG BLOOD INST -NI	(3,259)	-
Health and Human Services	Direct	93.846	5R01AR056981-05	NATL INST OF HEALTH - NIH/PHS	287,017	-
Health and Human Services	Direct	93.846	5R01AR066028-02	NATL INST OF HEALTH - NIH/PHS	200,503	29,559
Health and Human Services	Direct	93.846	5R01AR056680-05	NATL INST OF HEALTH - NIH/PHS	(3,404)	-
Health and Human Services	Direct	93.847	5R01DK101050-03	NATL INST OF HEALTH - NIH/PHS	406,201	-

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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
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Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
Health and Human Services	Direct	93.847	5R01DK103808 - 03	NATL INST OF HEALTH - NIH/PHS	\$ 403,829	\$ -
Health and Human Services	Direct	93.847	5R01DK105099-02	NATL INST OF HEALTH - NIH/PHS	313,730	34,964
Health and Human Services	Direct	93.847	5R18DK083934-05	NATL INST OF HEALTH - NIH/PHS	280,341	20,486
Health and Human Services	Direct	93.847	5R01DK103759-02	NATL INST OF HEALTH - NIH/PHS	262,951	12,406
Health and Human Services	Direct	93.847	5R01DK107697-02	NATL INST OF HEALTH - NIH/PHS	242,548	18,358
Health and Human Services	Direct	93.847	5R01DK073566 - 08	NATL INST OF HEALTH - NIH/PHS	239,802	-
Health and Human Services	Direct	93.847	5R01DK103723-02	NATL INST OF HEALTH - NIH/PHS	237,046	46,788
Health and Human Services	Direct	93.847	4R01DK094932-05	NATL INST OF HEALTH - NIH/PHS	201,387	-
Health and Human Services	Direct	93.847	3R01DK101050-02S1	NATL INST OF HEALTH - NIH/PHS	56,816	-
Health and Human Services	Direct	93.847	5F30DK107163-02	NATL INST OF HEALTH - NIH/PHS	30,842	-
Health and Human Services	Direct	93.847	5R01DK096137-02	NATL INST OF HEALTH - NIH/PHS	21,679	-
Health and Human Services	Direct	93.847	1F31DK107081-01A1	NATL INST OF HEALTH - NIH/PHS	9,903	-
Health and Human Services	Direct	93.847	5R01DK094932-04	NATL INST OF HEALTH - NIH/PHS	6,676	-
Health and Human Services	Direct	93.847	1F31DK107232-01A1	NATL INST OF HEALTH - NIH/PHS	2,300	-
Health and Human Services	Direct	93.847	5R01DK087886-04	NATL INST OF HEALTH - NIH/PHS	680	-
Health and Human Services	Direct	93.847	5R00DK090101-05	NATL INST OF HEALTH - NIH/PHS	(970)	-
Health and Human Services	Direct	93.853	5R01NS045195-14	NATL INST NEURO & COMM DIS & S	397,117	-
Health and Human Services	Direct	93.853	5R25NS090989-02	NATL INST NEURO & COMM DIS & S	195,525	-
Health and Human Services	Direct	93.853	5R01NS028421-22	NATL INST NEURO & COMM DIS & S	175,878	-
Health and Human Services	Direct	93.853	5T32NS044928-13	NATL INST NEURO & COMM DIS & S	145,963	-
Health and Human Services	Direct	93.853	1R01NS094460-01	NATL INST NEURO & COMM DIS & S	134,182	-
Health and Human Services	Direct	93.853	5R21NS090107-02	NATL INST NEURO & COMM DIS & S	122,502	-
Health and Human Services	Direct	93.853	7R15NS081593-02	NATL INST NEURO & COMM DIS & S	89,981	-
Health and Human Services	Direct	93.853	1R03NS095202-01	NATL INST NEURO & COMM DIS & S	64,661	-
Health and Human Services	Direct	93.853	5P50NS058830-05	NATL INST NEURO & COMM DIS & S	35,075	-
Health and Human Services	Direct	93.853	5T32NS044928-13	NATL INST NEURO & COMM DIS & S	17,105	-
Health and Human Services	Direct	93.853	1R2NS094900-01A1	NATL INST NEURO & COMM DIS & S	11,721	-
Health and Human Services	Direct	93.853	5P50NS058830-05	NATL INST NEURO & COMM DIS & S	10,747	-
Health and Human Services	Direct	93.853	5F32NS083360-02	NATL INST NEURO & COMM DIS & S	2,758	-
Health and Human Services	Direct	93.853	5P50NS058830-05	NATL INST NEURO & COMM DIS & S	1,818	-
Health and Human Services	Direct	93.853	3P50NS058830-05S2	NATL INST NEURO & COMM DIS & S	1,614	-
Health and Human Services	Direct	93.853	5R25NS065777-05	NATL INST NEURO & COMM DIS & S	889	-
Health and Human Services	Direct	93.853	5R01NS045195-12	NATL INST NEURO & COMM DIS & S	753	-
Health and Human Services	Direct	93.853	5R01NS065338-05	NATL INST NEURO & COMM DIS & S	343	-
Health and Human Services	Direct	93.853	5P50NS058830-05	NATL INST NEURO & COMM DIS & S	16	-
Health and Human Services	Direct	93.853	5R25NS065777-05	NATL INST NEURO & COMM DIS & S	(1,463)	-
Health and Human Services	Direct	93.853	5P50NS058830-05	NATL INST NEURO & COMM DIS & S	(5,710)	-
Health and Human Services	Direct	93.855	5U19AI089683-04	NATL INST OF ALLERGY & INFEC DI	2,053,485	1,528,973
Health and Human Services	Direct	93.855	4R37AI021884 - 31	NATL INST OF ALLERGY & INFEC DI	437,843	-
Health and Human Services	Direct	93.855	5R01AI110894-02	NATL INST OF ALLERGY & INFEC DI	363,915	7,869
Health and Human Services	Direct	93.855	5R01AI113257-02	NATL INST OF ALLERGY & INFEC DI	327,414	-
Health and Human Services	Direct	93.855	2R56AI081817-06	NATL INST OF ALLERGY & INFEC DI	324,244	-
Health and Human Services	Direct	93.855	4R01AI048758-17	NATL INST OF ALLERGY & INFEC DI	303,116	-
Health and Human Services	Direct	93.855	5U19AI090872-05 REVISED	NATL INST OF ALLERGY & INFEC DI	199,674	198,847
Health and Human Services	Direct	93.855	5U19AI090872-05 REVISED	NATL INST OF ALLERGY & INFEC DI	192,936	24,573
Health and Human Services	Direct	93.855	5R01AI047153-15	NATL INST OF ALLERGY & INFEC DI	135,712	-
Health and Human Services	Direct	93.855	5R21AI105499-02	NATL INST OF ALLERGY & INFEC DI	114,433	-
Health and Human Services	Direct	93.855	1R01AI116605-01A1	NATL INST OF ALLERGY & INFEC DI	97,101	-
Health and Human Services	Direct	93.855	5U19AI090872-05 REVISED	NATL INST OF ALLERGY & INFEC DI	56,986	-
Health and Human Services	Direct	93.855	5R21AI105867-02	NATL INST OF ALLERGY & INFEC DI	46,479	-
Health and Human Services	Direct	93.855	5R21AI106477-02	NATL INST OF ALLERGY & INFEC DI	45,246	-
Health and Human Services	Direct	93.855	5R01AI120189-02	NATL INST OF ALLERGY & INFEC DI	44,263	-
Health and Human Services	Direct	93.855	5R21AI111192-03	NATL INST OF ALLERGY & INFEC DI	28,776	8,744
Health and Human Services	Direct	93.855	5R21AI099404-02	NATL INST OF ALLERGY & INFEC DI	26,047	-
Health and Human Services	Direct	93.855	5R03AI111054-02	NATL INST OF ALLERGY & INFEC DI	19,188	-
Health and Human Services	Direct	93.855	5U19AI090872-05 REVISED	NATL INST OF ALLERGY & INFEC DI	8,354	-
Health and Human Services	Direct	93.855	3U19AI090872-05S1	NATL INST OF ALLERGY & INFEC DI	4,108	-
Health and Human Services	Direct	93.855	5U19AI090872-05 REVISED	NATL INST OF ALLERGY & INFEC DI	745	-
Health and Human Services	Direct	93.855	5R01AI068718-05	NATL INST OF ALLERGY & INFEC DI	(129)	-
Health and Human Services	Direct	93.859	5R01GM104009-04	NATL INST GENERAL MEDICAL SCIE	464,262	-
Health and Human Services	Direct	93.859	5R01GM110195-03	NATL INST GENERAL MEDICAL SCIE	456,685	-
Health and Human Services	Direct	93.859	4R01GM100908-05	NATL INST GENERAL MEDICAL SCIE	348,896	-
Health and Human Services	Direct	93.859	5R01GM084953-08	NATL INST GENERAL MEDICAL SCIE	344,206	-
Health and Human Services	Direct	93.859	5R01GM057440-16	NATL INST GENERAL MEDICAL SCIE	326,653	27,000
Health and Human Services	Direct	93.859	5R01GM109259-02	NATL INST GENERAL MEDICAL SCIE	326,426	93,569
Health and Human Services	Direct	93.859	5R01GM072667-11	NATL INST GENERAL MEDICAL SCIE	319,234	82,963
Health and Human Services	Direct	93.859	5R01GM063584-12	NATL INST GENERAL MEDICAL SCIE	305,205	-
Health and Human Services	Direct	93.859	4R01GM101353 - 04	NATL INST GENERAL MEDICAL SCIE	297,799	-
Health and Human Services	Direct	93.859	5R01GM110185-02	NATL INST GENERAL MEDICAL SCIE	285,468	-
Health and Human Services	Direct	93.859	7R01GM099992-04	NATL INST GENERAL MEDICAL SCIE	248,975	-
Health and Human Services	Direct	93.859	5R01GM109928-02	NATL INST GENERAL MEDICAL SCIE	228,249	-
Health and Human Services	Direct	93.859	5R01GM102637-03	NATL INST GENERAL MEDICAL SCIE	200,227	-
Health and Human Services	Direct	93.859	5R01GM101038-04	NATL INST GENERAL MEDICAL SCIE	189,642	-
Health and Human Services	Direct	93.859	5R25GM108593-02	NATL INST GENERAL MEDICAL SCIE	185,583	34,258
Health and Human Services	Direct	93.859	5R01GM115475-02	NATL INST GENERAL MEDICAL SCIE	171,893	-
Health and Human Services	Direct	93.859	2R01GM101219-04	NATL INST GENERAL MEDICAL SCIE	168,176	-
Health and Human Services	Direct	93.859	5R01GM115373-02	NATL INST GENERAL MEDICAL SCIE	167,511	-
Health and Human Services	Direct	93.859	5R01GM110525-03	NATL INST GENERAL MEDICAL SCIE	165,114	-
Health and Human Services	Direct	93.859	5R01GM043585-21	NATL INST GENERAL MEDICAL SCIE	138,692	-
Health and Human Services	Direct	93.859	5R01GM026916-35	NATL INST GENERAL MEDICAL SCIE	137,934	-
Health and Human Services	Direct	93.859	3T34GM100872-03S1	NATL INST GENERAL MEDICAL SCIE	137,380	-
Health and Human Services	Direct	93.859	5T32GM092715-05	NATL INST GENERAL MEDICAL SCIE	120,880	-
Health and Human Services	Direct	93.859	3R01GM104009-02S1	NATL INST GENERAL MEDICAL SCIE	120,450	-
Health and Human Services	Direct	93.859	5R01GM101386-04	NATL INST GENERAL MEDICAL SCIE	117,809	-
Health and Human Services	Direct	93.859	5R01GM045295-20 REVISED	NATL INST GENERAL MEDICAL SCIE	102,163	-
Health and Human Services	Direct	93.859	5T32GM110523-03	NATL INST GENERAL MEDICAL SCIE	82,950	-
Health and Human Services	Direct	93.859	5R01GM063188-09	NATL INST GENERAL MEDICAL SCIE	72,740	-
Health and Human Services	Direct	93.859	3R01GM101038-04S1	NATL INST GENERAL MEDICAL SCIE	60,225	-
Health and Human Services	Direct	93.859	5R01GM090063-04	NATL INST GENERAL MEDICAL SCIE	44,514	-
Health and Human Services	Direct	93.859	1R01GM115459-01	NATL INST GENERAL MEDICAL SCIE	43,945	-
Health and Human Services	Direct	93.859	5R01GM094478-04	NATL INST GENERAL MEDICAL SCIE	39,380	-
Health and Human Services	Direct	93.859	3R01GM090208-04S1	NATL INST GENERAL MEDICAL SCIE	35,117	22,150
Health and Human Services	Direct	93.859	5T32GM110523-03	NATL INST GENERAL MEDICAL SCIE	32,194	-
Health and Human Services	Direct	93.859	5R01GM092949-04 REVISED	NATL INST GENERAL MEDICAL SCIE	29,781	-
Health and Human Services	Direct	93.859	5R01GM096132-04	NATL INST GENERAL MEDICAL SCIE	28,453	-
Health and Human Services	Direct	93.859	1R01GM118685-01	NATL INST GENERAL MEDICAL SCIE	19,989	-
Health and Human Services	Direct	93.859	5T32GM092715-05	NATL INST GENERAL MEDICAL SCIE	16,946	-
Health and Human Services	Direct	93.859	5R25GM115335-02	NATL INST GENERAL MEDICAL SCIE	14,721	4,933
Health and Human Services	Direct	93.859	5R01GM089866-04	NATL INST GENERAL MEDICAL SCIE	9,867	-
Health and Human Services	Direct	93.859	5T32GM092715-05	NATL INST GENERAL MEDICAL SCIE	7,064	-
Health and Human Services	Direct	93.859	7R01GM39561-26	NATL INST GENERAL MEDICAL SCIE	6,256	-
Health and Human Services	Direct	93.859	5R25GM108593-02	NATL INST GENERAL MEDICAL SCIE	6,058	-
Health and Human Services	Direct	93.859	5R01GM089866-04	NATL INST GENERAL MEDICAL SCIE	4,973	-
Health and Human Services	Direct	93.859	5R01GM056976-17 REVISED	NATL INST GENERAL MEDICAL SCIE	(85)	-
Health and Human Services	Direct	93.859	5R01GM090208-04	NATL INST GENERAL MEDICAL SCIE	(1,031)	-
Health and Human Services	Direct	93.859	3T34GM100872-03S1	NATL INST GENERAL MEDICAL SCIE	(10,636)	-
Health and Human Services	Direct	93.865	5R01HD070723-05	NATL INST CHILD HEALTH & HUMAN	441,215	265,729
Health and Human Services	Direct	93.865	5R01HD072489-03	NATL INST CHILD HEALTH & HUMAN	417,626	11,837
Health and Human Services	Direct	93.865	5R01HD072968-04	NATL INST CHILD HEALTH & HUMAN	409,019	7,574

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Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
Health and Human Services	Direct	93.865	5R01HD064416-05	NATL INST CHILD HEALTH & HUMAN	\$ 366,524	\$ 146,807
Health and Human Services	Direct	93.865	5R01HD075903-03	NATL INST CHILD HEALTH & HUMAN	281,324	20,445
Health and Human Services	Direct	93.865	5R21HD082453-02	NATL INST CHILD HEALTH & HUMAN	281,232	-
Health and Human Services	Direct	93.865	7R01HD0045611-12	NATL INST CHILD HEALTH & HUMAN	279,687	-
Health and Human Services	Direct	93.865	5R01HD084494 - 02	NATL INST CHILD HEALTH & HUMAN	274,270	-
Health and Human Services	Direct	93.865	4R01HD072972-05	NATL INST CHILD HEALTH & HUMAN	270,253	-
Health and Human Services	Direct	93.865	5K12HD065879-05	NATL INST CHILD HEALTH & HUMAN	268,902	-
Health and Human Services	Direct	93.865	5R21HD078566-02	NATL INST CHILD HEALTH & HUMAN	173,012	34,777
Health and Human Services	Direct	93.865	5R00HD058698-05	NATL INST CHILD HEALTH & HUMAN	157,891	-
Health and Human Services	Direct	93.865	5R21HD075974-02	NATL INST CHILD HEALTH & HUMAN	144,693	7,564
Health and Human Services	Direct	93.865	5R01HD070723-05	NATL INST CHILD HEALTH & HUMAN	134,662	118,458
Health and Human Services	Direct	93.865	5R21HD078471-02	NATL INST CHILD HEALTH & HUMAN	133,062	21,294
Health and Human Services	Direct	93.865	5R01HD057962-05	NATL INST CHILD HEALTH & HUMAN	122,655	-
Health and Human Services	Direct	93.865	5R03HD077112-02	NATL INST CHILD HEALTH & HUMAN	77,129	-
Health and Human Services	Direct	93.865	1R01HD084478-01A1	NATL INST CHILD HEALTH & HUMAN	73,636	-
Health and Human Services	Direct	93.865	5R03HD08184-02	NATL INST CHILD HEALTH & HUMAN	66,024	-
Health and Human Services	Direct	93.865	5R03HD073275-02	NATL INST CHILD HEALTH & HUMAN	47,414	-
Health and Human Services	Direct	93.865	5F32HD081856-02	NATL INST CHILD HEALTH & HUMAN	45,789	-
Health and Human Services	Direct	93.865	1F30HD082951-01 REVISED	NATL INST CHILD HEALTH & HUMAN	29,520	-
Health and Human Services	Direct	93.865	5T32HD046377-10	NATL INST CHILD HEALTH & HUMAN	17,624	-
Health and Human Services	Direct	93.865	5F32HD075758-02	NATL INST CHILD HEALTH & HUMAN	3,841	-
Health and Human Services	Direct	93.865	1R21HD085138-01A1	NATL INST CHILD HEALTH & HUMAN	1,611	-
Health and Human Services	Direct	93.865	5T32HD046377-10	NATL INST CHILD HEALTH & HUMAN	(22,429)	-
Health and Human Services	Direct	93.865	5R01HD066040-05	NATL INST CHILD HEALTH & HUMAN	(47,356)	1,610
Health and Human Services	Direct	93.866	5R01AG048642-02	NATL INST ON AGING -NIH/PHS	506,708	249,312
Health and Human Services	Direct	93.866	5R01AG044372-03	NATL INST ON AGING -NIH/PHS	364,353	24,004
Health and Human Services	Direct	93.866	5R01AG040715-05	NATL INST ON AGING -NIH/PHS	320,545	-
Health and Human Services	Direct	93.866	5R21AG044712-02	NATL INST ON AGING -NIH/PHS	186,360	-
Health and Human Services	Direct	93.866	5K01AG043417-03	NATL INST ON AGING -NIH/PHS	115,142	-
Health and Human Services	Direct	93.866	7R01AG030425-06	NATL INST ON AGING -NIH/PHS	95,993	-
Health and Human Services	Direct	93.866	5R01AG034949-05	NATL INST ON AGING -NIH/PHS	78,526	-
Health and Human Services	Direct	93.866	5R01AG034949-05	NATL INST ON AGING -NIH/PHS	42,326	-
Health and Human Services	Direct	93.866	5R21AG042041-02 REVISED	NATL INST ON AGING -NIH/PHS	36,411	-
Health and Human Services	Direct	93.866	1R21AG041266-1	NATL INST ON AGING -NIH/PHS	4,892	-
Health and Human Services	Direct	93.866	R21AG042146	NATL INST ON AGING -NIH/PHS	(1,971)	-
Health and Human Services	Direct	93.867	4R01EY022727-05	NATL EYE INSTITUTE -NIH/PHS	542,969	-
Health and Human Services	Direct	93.867	REY016077C	NATL EYE INSTITUTE -NIH/PHS	176,780	-
Health and Human Services	Direct	93.867	5R21EY024757-02	NATL EYE INSTITUTE -NIH/PHS	172,023	-
Health and Human Services	Direct	93.867	5R01EY016077-07 REVISED	NATL EYE INSTITUTE -NIH/PHS	(254)	-
Health and Human Services	Direct	93.879	1K01LM011980-01	NATL INST OF HEALTH - NIH/PHS	18,123	-
Health and Human Services	Direct	93.989	4D43TW009639-04	FOGARTY INTL CENTER -NIH/PHS	189,545	131,757
Health and Human Services	Direct	93.989	5K01TW009654-02	FOGARTY INTL CENTER -NIH/PHS	135,089	19,585
Health and Human Services	Direct	93.989	5D43TW008267-05	FOGARTY INTL CENTER -NIH/PHS	7,650	3,033
Health and Human Services	Direct	93.989	5D43TW000641	FOGARTY INTL CENTER -NIH/PHS	(445)	-
	Direct Total				50,897,656	7,435,265
Health and Human Services	Pass-through	93.001	52000L	RTI INTERNATIONAL	132,731	-
Health and Human Services	Pass-through	93.001	15TJPO085	ICF INCORPORATED, LLC	10,530	-
Health and Human Services	Pass-through	93.001	20160914-00 Attachment AJ	MICH DEPT OF HEALTH & HUMAN SERVICES	2,535	-
Health and Human Services	Pass-through	93.001	CK #3058112	SOUTHWEST ONCOLOGY GROUP	1,042	-
Health and Human Services	Pass-through	93.070	20151541-001 Attachment AA	MI COMMUNITY HEALTH	967	-
Health and Human Services	Pass-through	93.074	20151519-00 Attachment F	MI COMMUNITY HEALTH	55,709	-
Health and Human Services	Pass-through	93.110	ATHN2014-NHPCC-1	MUNSON MEDICAL CENTER	8,617	-
Health and Human Services	Pass-through	93.110	ATHN2015-HRSA-1	AMERICAN THROMBOSIS & HEMOSTAS	6,115	-
Health and Human Services	Pass-through	93.113	2013-00165-01	ILLINOIS UNIV OF -	26,979	-
Health and Human Services	Pass-through	93.113	GCROE0194A_MSU	OREGON HEALTH SCIENCES UNIVERS	19,559	-
Health and Human Services	Pass-through	93.113	2013-00165-01	ILLINOIS UNIV OF -	(706)	-
Health and Human Services	Pass-through	93.136	3001820588	UNIV OF MICHIGAN	12,925	-
Health and Human Services	Pass-through	93.142	007038-009	CINCINNATI UNIV OF	12,631	-
Health and Human Services	Pass-through	93.172	3002897437	UNIV OF MICHIGAN	134,452	-
Health and Human Services	Pass-through	93.173	3002722836	UNIV OF MICHIGAN	159,898	-
Health and Human Services	Pass-through	93.173	BL-4633518-MSU	INDIANA UNIV	92,836	-
Health and Human Services	Pass-through	93.173	13-0385	BRIGHAM YOUNG UNIVERSITY	55,993	-
Health and Human Services	Pass-through	93.173	60051342	OHIO STATE UNIVERSITY	51,809	-
Health and Human Services	Pass-through	93.173	0044466 (125619-1)	PITTSBURGH UNIVERSITY OF	46,916	-
Health and Human Services	Pass-through	93.173	VUMC56181	VANDERBILT UNIVERSITY	7,121	-
Health and Human Services	Pass-through	93.173	3002881110	UNIV OF MICHIGAN	791	-
Health and Human Services	Pass-through	93.173	515348	ALBANY MEDICAL COLLEGE	(1,462)	-
Health and Human Services	Pass-through	93.184	CDC14-15-HTC442	HEMOPHILIA FOUNDATION OF MICH	20,675	-
Health and Human Services	Pass-through	93.226	Project 2-5-15980 FY16.688.001 AMD 1	DENVER UNIV OF	50,567	-
Health and Human Services	Pass-through	93.226	755052	WASHINGTON UNIVERSITY OF	33,137	-
Health and Human Services	Pass-through	93.226	UWSC8138	WASHINGTON UNIVERSITY OF	31,794	-
Health and Human Services	Pass-through	93.242	202395	LOYOLA UNIVERSITY CHICAGO	92,579	-
Health and Human Services	Pass-through	93.242	Year 3	SCRIPPS RESEARCH INST	53,155	-
Health and Human Services	Pass-through	93.242	3003210937	UNIV OF MICHIGAN	41,260	-
Health and Human Services	Pass-through	93.242	00000777	BROWN UNIVERSITY	37,733	-
Health and Human Services	Pass-through	93.242	Year 3	SCRIPPS RESEARCH INST	35,802	-
Health and Human Services	Pass-through	93.242	3003328672	UNIV OF MICHIGAN	21,303	-
Health and Human Services	Pass-through	93.242	WSU16033	WAYNE STATE UNIVERSITY	18,648	-
Health and Human Services	Pass-through	93.242	9032-8349	BUTLER HOSPITAL	16,029	-
Health and Human Services	Pass-through	93.242	3003112208	UNIV OF MICHIGAN	14,679	-
Health and Human Services	Pass-through	93.242	PD302841-SC107040	VIRGINIA COMMONWEALTH UNIVERSI	13,797	-
Health and Human Services	Pass-through	93.242	00000778	BROWN UNIVERSITY	11,973	-
Health and Human Services	Pass-through	93.243	162734-AWARE16	MICHIGAN DEPARTMENT OF EDUCATI	87,512	-
Health and Human Services	Pass-through	93.243	152734-AWARE2015	MICHIGAN DEPARTMENT OF EDUCATI	25,722	-
Health and Human Services	Pass-through	93.243	CFC - 1H79TI024132-01	CHILD AND FAMILY CHARITIES	(11,803)	-
Health and Human Services	Pass-through	93.262	WSU16039	WAYNE STATE UNIVERSITY	108,617	-
Health and Human Services	Pass-through	93.262	AOEC Exposure Code	NATL INST OCCUP SAFETY &HEALTH	24,293	-
Health and Human Services	Pass-through	93.268	Contract 20160899-00 Attachment U	MI DEPT OF HUMAN SERVICES	83,105	-
Health and Human Services	Pass-through	93.273	9053-8349	BUTLER HOSPITAL	77,323	-
Health and Human Services	Pass-through	93.273	3002128731	UNIV OF MICHIGAN	22,022	-
Health and Human Services	Pass-through	93.273	1055	TRUSTEES OF DARTMOUTH COLLEGE	(17,852)	-
Health and Human Services	Pass-through	93.279	3002871750	UNIV OF MICHIGAN	40,838	-
Health and Human Services	Pass-through	93.279	1418(R195)	DARTMOUTH COLLEGE	32,916	9,592
Health and Human Services	Pass-through	93.279	3041.01	LUNA INNOVATIONS	19,690	-
Health and Human Services	Pass-through	93.279	3020746	DUKE UNIVERSITY	19,483	-
Health and Human Services	Pass-through	93.279	9522	WOMEN & INFANTS HOSPITAL	6,444	-
Health and Human Services	Pass-through	93.283	20151541-001 Attachment AA	MI COMMUNITY HEALTH	19,719	-
Health and Human Services	Pass-through	93.283	20160897-00 Attachment S	MICH DEPT OF HEALTH & HUMAN SERVICES	13,622	-
Health and Human Services	Pass-through	93.283	20151546-001 Attachment V	MI COMMUNITY HEALTH	3,348	-
Health and Human Services	Pass-through	93.283	20140750-001	MI COMMUNITY HEALTH	(15,855)	-
Health and Human Services	Pass-through	93.307	057063-87D5	NEW MEXICO UNIVERSITY OF	34,659	-
Health and Human Services	Pass-through	93.310	68-1096430	CALIFORNIA INSTITUTE OF TECHNO	187,939	-
Health and Human Services	Pass-through	93.310	FP060906	UNIV OF CHICAGO	21,741	-
Health and Human Services	Pass-through	93.310	CK # 407	WINDROSE VISION	769	-
Health and Human Services	Pass-through	93.393	153405503	BD OF REGENTS OF THE UNIV WISC	52,537	-
Health and Human Services	Pass-through	93.393	3002478030	UNIV OF MICHIGAN	44,986	-
Health and Human Services	Pass-through	93.393	R789	TRUSTEES OF DARTMOUTH COLLEGE	38,676	-
Health and Human Services	Pass-through	93.393	5102580	NORTH CAROLINA UNIV OF	6,779	-
Health and Human Services	Pass-through	93.393	02-S130279	TEXAS A & M	3,058	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
Health and Human Services	Pass-through	93.395	TFED37-090, AMD#1	NATL SURGICAL ADJ BRST & BWL P	\$ 37,851	\$ -
Health and Human Services	Pass-through	93.395	APP 145069 Martinez Hackert	ABREOS BIOSCIENCES INC.	29,695	-
Health and Human Services	Pass-through	93.395	64227404	THE MAYO FOUNDATION (MAYO CLIN	21,158	-
Health and Human Services	Pass-through	93.395	siRNAx - 1R41CA186101-01	SIRNAX INC.	18,799	-
Health and Human Services	Pass-through	93.395	64227404	THE MAYO FOUNDATION (MAYO CLIN	17,321	-
Health and Human Services	Pass-through	93.395	3001714299	UNIV OF MICHIGAN	1,429	-
Health and Human Services	Pass-through	93.395	BIQSPF-COG AALL1131 11XS198	CHILDRENS HOSPITAL OF PHILADEL	432	-
Health and Human Services	Pass-through	93.395	NSABP U10CA12027	NATL SURGICAL ADJ BRST & BWL P	10	-
Health and Human Services	Pass-through	93.506	BHCS/MSU-CMS NBCP 2013-2016	MI DEPT OF LICENSING & REG AFF	124,895	-
Health and Human Services	Pass-through	93.600	WSU16012	WAYNE STATE UNIVERSITY	92,284	-
Health and Human Services	Pass-through	93.600	EHS-PY 14-15	JACKSON COMMUNITY ACTION AGENC	118	-
Health and Human Services	Pass-through	93.609	20151516-001 Attachment B	MI COMMUNITY HEALTH	30,773	-
Health and Human Services	Pass-through	93.609	20160879-00 Attachment B	MICH DEPT OF HEALTH & HUMAN SERVICES	27,424	-
Health and Human Services	Pass-through	93.609	20152707-001 Attachment AK	MI COMMUNITY HEALTH	145	-
Health and Human Services	Pass-through	93.837	N003631001	MINNESOTA UNIV OF	96,144	-
Health and Human Services	Pass-through	93.837	WSU15107-A1	WAYNE STATE UNIVERSITY	13,486	-
Health and Human Services	Pass-through	93.837	OOS100311-MSU	KAISER PERMANENTE	11,940	-
Health and Human Services	Pass-through	93.837	OOS100311-MSU	KAISER PERMANENTE	(171)	-
Health and Human Services	Pass-through	93.846	3003073874	UNIV OF MICHIGAN	168,899	-
Health and Human Services	Pass-through	93.846	STTR R41AR068804	ABREOS BIOSCIENCES INC.	98,535	-
Health and Human Services	Pass-through	93.847	3003071149	UNIV OF MICHIGAN	250,572	-
Health and Human Services	Pass-through	93.847	15-AO-00-003649-01	NEW YORK UNIVERSITY SCHOOL OF	21,545	-
Health and Human Services	Pass-through	93.847	3003853558	UNIV OF MICHIGAN	8,839	-
Health and Human Services	Pass-through	93.853	488389 E27281	ILLINOIS UNIV OF -	240,506	-
Health and Human Services	Pass-through	93.853	R21NS088554 - West/Tseng	ROSALIND FRANKLIN UNIV OF MEDICINE	94,298	-
Health and Human Services	Pass-through	93.853	488389 E27281	ILLINOIS UNIV OF -	66,610	-
Health and Human Services	Pass-through	93.853	60036745 MSU	NORTHWESTERN UNIVERSITY	31,017	-
Health and Human Services	Pass-through	93.853	IN4689687MSU	INDIANA UNIV	22,718	-
Health and Human Services	Pass-through	93.853	416854	ROCHESTER UNIV OF	8,261	-
Health and Human Services	Pass-through	93.853	2258	BOSTON MEDICAL CENTER	7,779	-
Health and Human Services	Pass-through	93.853	0007810D	TEXAS UNIV OF	3,047	2,007
Health and Human Services	Pass-through	93.853	UCI - COEUS #7753	CINCINNATI UNIV OF	(3)	-
Health and Human Services	Pass-through	93.853	416307-G	ROCHESTER UNIV OF	(818)	-
Health and Human Services	Pass-through	93.853	488389 E27281	ILLINOIS UNIV OF -	(894)	-
Health and Human Services	Pass-through	93.853	60029363 MSU	NORTHWESTERN UNIVERSITY	(24,062)	-
Health and Human Services	Pass-through	93.855	5-40150	MEMPHIS UNIVERSITY OF	51,746	-
Health and Human Services	Pass-through	93.855	2002283506	JOHNS HOPKINS UNIVERSITY	33,805	-
Health and Human Services	Pass-through	93.855	MOD02 2002283506	JOHNS HOPKINS UNIVERSITY	32,138	-
Health and Human Services	Pass-through	93.855	3002992954	UNIV OF MICHIGAN	16,850	-
Health and Human Services	Pass-through	93.855	109686-5069714	HARVARD UNIVERSITY	899	-
Health and Human Services	Pass-through	93.859	UTA13-000938	TEXAS UNIV OF AT AUSTIN	181,319	15,066
Health and Human Services	Pass-through	93.859	Prime 4R44GM112406-02	QUANTUMBO, INC.	152,149	-
Health and Human Services	Pass-through	93.859	202375MSU	NOTRE DAME UNIVERSITY OF	144,501	-
Health and Human Services	Pass-through	93.859	5104410	NORTH CAROLINA UNIV OF	131,382	-
Health and Human Services	Pass-through	93.859	0051314 (126984-2)	PITTSBURGH UNIVERSITY OF	59,798	-
Health and Human Services	Pass-through	93.859	Prime 4R44GM099411-02	QUANTUMBO, INC.	49,827	-
Health and Human Services	Pass-through	93.859	3002873748	UNIV OF MICHIGAN	16,761	-
Health and Human Services	Pass-through	93.859	R01452	FLORIDA STATE UNIVERSITY	15,317	-
Health and Human Services	Pass-through	93.859	15-NIH-1031	DUKE UNIVERSITY	687	-
Health and Human Services	Pass-through	93.859	724331	WASHINGTON UNIVERSITY OF	441	-
Health and Human Services	Pass-through	93.859	5104410	NORTH CAROLINA UNIV OF	(230)	-
Health and Human Services	Pass-through	93.859	12-849	ARIZONA STATE UNIVERSITY	(8,221)	-
Health and Human Services	Pass-through	93.865	2001660125	JOHNS HOPKINS UNIVERSITY	133,429	-
Health and Human Services	Pass-through	93.865	000388010-016	ALABAMA UNIVERSITY OF	133,164	-
Health and Human Services	Pass-through	93.865	3001852230	UNIV OF MICHIGAN	75,124	-
Health and Human Services	Pass-through	93.865	AGMSU-01	AGGAMIN LLC	73,454	-
Health and Human Services	Pass-through	93.865	000388010-016	ALABAMA UNIVERSITY OF	72,404	-
Health and Human Services	Pass-through	93.865	4500000690	BOSTON UNIVERSITY	61,817	-
Health and Human Services	Pass-through	93.865	FY15.284.002	REGENTS OF UNIV OF COLORADO	48,327	-
Health and Human Services	Pass-through	93.865	60042504-MSU	OHIO STATE UNIVERSITY	37,155	-
Health and Human Services	Pass-through	93.865	R-16-0019	HOUSTON UNIVERSITY OF	23,724	-
Health and Human Services	Pass-through	93.865	PSA	UNIV OF MICHIGAN	22,414	-
Health and Human Services	Pass-through	93.865	Altering Activation Patterns APP 143047	REHAB INST. OF CHICAGO	13,719	-
Health and Human Services	Pass-through	93.865	QN857961	KANSAS UNIVERSITY OF	10,239	-
Health and Human Services	Pass-through	93.865	WU-15-394	WASHINGTON UNIVERSITY IN ST LO	1,076	-
Health and Human Services	Pass-through	93.866	1032114-MSU	DIGNITY HEALTH	263,929	-
Health and Human Services	Pass-through	93.866	3003090374	UNIV OF MICHIGAN	26,340	-
Health and Human Services	Pass-through	93.866	3003883640	MI CNTR FOR URBAN AFRICAN AMER	21,149	-
Health and Human Services	Pass-through	93.867	IN4684833MSU	INDIANA UNIV	169,663	-
Health and Human Services	Pass-through	93.867	IN4684832MSU	INDIANA UNIV	98,125	-
Health and Human Services	Pass-through	93.867	IN4684832MSU	INDIANA UNIV	20,314	-
Health and Human Services	Pass-through	93.867	567945	PENNSYLVANIA UNIVERSITY OF	8,001	-
Health and Human Services	Pass-through	93.946	20160897-00 Attachment S	MICH DEPT OF HEALTH & HUMAN SERVICES	4,540	-
Health and Human Services	Pass-through	93.958	20160911-00 Attachment AG	MICH DEPT OF HEALTH & HUMAN SERVICES	121,357	-
Health and Human Services	Pass-through	93.958	20151549-001 Attachment AI	MI COMMUNITY HEALTH	53,632	-
Health and Human Services	Pass-through	93.958	20160910-00 Attachment AF	MICH DEPT OF HEALTH & HUMAN SERVICES	37,304	-
Health and Human Services	Pass-through	93.958	20160908-00 Attachment AD	MICH DEPT OF HEALTH & HUMAN SERVICES	35,884	-
Health and Human Services	Pass-through	93.958	20160909-00 Attachment AE	MICH DEPT OF HEALTH & HUMAN SERVICES	22,307	-
Health and Human Services	Pass-through	93.958	20151524-00 Attachment I	MI COMMUNITY HEALTH	14,348	-
Health and Human Services	Pass-through	93.958	20151536-00 Attachment R	MI COMMUNITY HEALTH	9,810	-
Health and Human Services	Pass-through	93.958	20163468-00 Attachment AP	MICH DEPT OF HEALTH & HUMAN SERVICES	9,275	-
Health and Human Services	Pass-through	93.958	20151529-001 Attachment N	MI COMMUNITY HEALTH	8,281	-
Health and Human Services	Pass-through	93.989	TRN506258	CASE WESTERN RESERVE UNIV	71,518	-
Health and Human Services	Pass-through	93.989	VUMC 42900	VANDERBILT UNIVERSITY	8,037	2,791
Health and Human Services	Pass-through	93.994	20151541-001 Attachment AA	MI COMMUNITY HEALTH	34,709	-
	Pass-through Total				6,405,727	29,456
Health and Human Services Total					57,303,383	7,464,721
Homeland Security	Direct	97.065	HSHQDC-15-C-B0002	HOMELAND SECURITY ADV. RES. PROJ	98,047	-
	Direct Total				98,047	-
Homeland Security	Pass-through	97.061	Z901213	MARYLAND UNIV OF	47,053	18,293
Homeland Security	Pass-through	97.062	30345-Z9058104	MARYLAND UNIV OF	12,565	-
Homeland Security	Pass-through	97.108	Z941903	MARYLAND UNIV OF	12,613	-
	Pass-through Total				72,231	18,293
Homeland Security Total					170,278	18,293
Interior	Direct	15	S183-25-1932 Task Order 6	US FISH & WILDLIFE SERVICE	9,729	-
Interior	Direct	15	S183-25-1932	US FISH & WILDLIFE SERVICE	4,986	-
Interior	Direct	15.232	15-JV-11242313-115	INTERIOR US DEPT OF THE	48,041	-
Interior	Direct	15.232	L14AC00144	INTERIOR US DEPT OF THE	3,479	-
Interior	Direct	15.608	F13AC00565	US FISH & WILDLIFE SERVICE	148,995	-
Interior	Direct	15.608	F11AP00531	US FISH & WILDLIFE SERVICE	(1,321)	-
Interior	Direct	15.630	F12AC01383	US FISH & WILDLIFE SERVICE	366	-
Interior	Direct	15.637	F14AC00225	US FISH & WILDLIFE SERVICE	35,115	-
Interior	Direct	15.647	F14AC00397	US FISH & WILDLIFE SERVICE	32,410	-
Interior	Direct	15.660	F13AC01033	US FISH & WILDLIFE SERVICE	(174)	-
Interior	Direct	15.662	F15AP00562	US FISH & WILDLIFE SERVICE	107,177	-
Interior	Direct	15.662	F15AP00306	US FISH & WILDLIFE SERVICE	39,701	-
Interior	Direct	15.662	F16AC00099	US FISH & WILDLIFE SERVICE	27,847	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
Interior	Direct	15.662	F13AC00991	US FISH & WILDLIFE SERVICE	\$ 24,911	\$ -
Interior	Direct	15.662	F15AP00549	US FISH & WILDLIFE SERVICE	21,572	-
Interior	Direct	15.662	F12AC00208	US FISH & WILDLIFE SERVICE	(61)	-
Interior	Direct	15.669	F13AP00422	US FISH & WILDLIFE SERVICE	35,152	13,631
Interior	Direct	15.805	G16AP00063	US GEOLOGICAL SURVEY	58,237	9,770
Interior	Direct	15.805	G11AP20086	US GEOLOGICAL SURVEY	35,044	-
Interior	Direct	15.805	G16AP00020	US GEOLOGICAL SURVEY	16,183	-
Interior	Direct	15.805	G14AP00032	US GEOLOGICAL SURVEY	(1,394)	-
Interior	Direct	15.808	G12AC20457	US GEOLOGICAL SURVEY	136,987	-
Interior	Direct	15.808	G13AC00140	US GEOLOGICAL SURVEY	130,152	-
Interior	Direct	15.808	G13AC00112	US GEOLOGICAL SURVEY	106,564	-
Interior	Direct	15.808	G07AC00060	US GEOLOGICAL SURVEY	79,825	-
Interior	Direct	15.808	G12AC20394	US GEOLOGICAL SURVEY	72,242	-
Interior	Direct	15.808	G15AC00164	US GEOLOGICAL SURVEY	44,129	-
Interior	Direct	15.808	G15AC00026	US GEOLOGICAL SURVEY	41,328	-
Interior	Direct	15.808	G13AC00244	US GEOLOGICAL SURVEY	30,157	-
Interior	Direct	15.808	G13AC00044	US GEOLOGICAL SURVEY	9,341	-
Interior	Direct	15.808	G14AC00173	US GEOLOGICAL SURVEY	23	-
Interior	Direct	15.808	G14AC00001	US GEOLOGICAL SURVEY	(99)	-
Interior	Direct	15.808	G11AC20391	US GEOLOGICAL SURVEY	(705)	-
Interior	Direct	15.808	G13AC00284	US GEOLOGICAL SURVEY	(23,900)	-
Interior	Direct	15.808	G1AC20368	US GEOLOGICAL SURVEY	(42,283)	-
Interior	Direct	15.811	G14AC00321	US GEOLOGICAL SURVEY	115,820	-
Interior	Direct	15.820	G15AC00351	US GEOLOGICAL SURVEY	85,257	-
Interior	Direct	15.820	G15AC00126	US GEOLOGICAL SURVEY	14,100	-
Interior	Direct	15.945	P15AC01378	NATIONAL PARK SERVICE	15,704	-
	Direct Total				1,460,637	23,401
Interior	Pass-through	15	USW0F028	NATURESERVE	20,123	-
Interior	Pass-through	15	S183-25-1932	STRATUS CONSULTING	9,002	-
Interior	Pass-through	15	S183-25-1932 Task Order 1	STRATUS CONSULTING	445	-
Interior	Pass-through	15.232	60040808	OHIO STATE UNIVERSITY	13,614	-
Interior	Pass-through	15.608	Phase 3	GREAT LAKES COMMISSION	27,440	-
Interior	Pass-through	15.628	APP 144778	ASSOC OF FISH & WILDLIFE AGENC	9,233	-
Interior	Pass-through	15.634	PO 751P7200176	MICHIGAN DEPARTMENT OF NATURAL	301	-
Interior	Pass-through	15.662	2013-0100	MI ENVIRONMENTAL QUALITY	24,985	-
Interior	Pass-through	15.662	791N5500195	MI DEPT AG & RURAL DEVELOPMENT	19,798	4,403
Interior	Pass-through	15.669	2015-03	WILDLIFE MANAGEMENT INST	59,915	-
Interior	Pass-through	15.820	404-42-07A	IOWA STATE UNIVERSITY	53,111	-
Interior	Pass-through	15.820	16-008848A00	MASSACHUSETTS UNIVERSITY OF	15,187	-
Interior	Pass-through	15.820	404-42-07A	IOWA STATE UNIVERSITY	6,028	-
Interior	Pass-through	15.945	PG12-65703-01	MONTANA UNIVERSITY OF	243	-
	Pass-through Total				259,425	4,403
Interior Total					1,720,062	27,804
Justice	Direct	16.550	2014-MU-CX-K037	JUSTICE US DEPT OF	102,385	-
Justice	Direct	16.550	2015-BJ-CX-K022	JUSTICE US DEPT OF	68,625	-
Justice	Direct	16.560	2014-ZA-BX-0004	NATL INST OF JUSTICE	291,087	90,701
Justice	Direct	16.560	2014-NE-BX-0006	JUSTICE US DEPT OF	187,315	-
Justice	Direct	16.560	2013-IJ-CX-0019	JUSTICE US DEPT OF	161,071	-
Justice	Direct	16.560	2013-R2-CX-0015	JUSTICE US DEPT OF	145,431	54,632
Justice	Direct	16.560	2015-DN-BX-K013	JUSTICE US DEPT OF	131,817	-
Justice	Direct	16.560	2013-DN-BX-K039	NATL INST OF JUSTICE	99,044	-
Justice	Direct	16.560	2015-CK-BX-0017	JUSTICE US DEPT OF	79,004	-
Justice	Direct	16.560	2015-R2-CX-K041	JUSTICE US DEPT OF	53,017	-
Justice	Direct	16.560	2011-IJ-CX-K057	JUSTICE US DEPT OF	52,606	-
Justice	Direct	16.560	2015-IJ-CX-K008	NATL INST OF JUSTICE	40,608	-
Justice	Direct	16.560	2015-CK-BX-0003	JUSTICE US DEPT OF	30,286	-
Justice	Direct	16.560	2015-DN-BX-K012	JUSTICE US DEPT OF	29,000	-
Justice	Direct	16.560	2015-DN-BX-K031	JUSTICE US DEPT OF	20,993	-
Justice	Direct	16.560	2015-DN-BX-K036	NATL INST OF JUSTICE	19,168	-
Justice	Direct	16.560	2013-R2-CX-K010	NATL INST OF JUSTICE	(1,720)	-
Justice	Direct	16.562	2015-R2-CX-0005	NATL INST OF JUSTICE	19,142	-
Justice	Direct	16.609	2015-GP-BX-K003	BUREAU OF JUSTICE ASSISTANCE	104,657	-
Justice	Direct	16.710	2012CKWXK023	JUSTICE US DEPT OF	39,480	-
Justice	Direct	16.710	2011CKWXK011	JUSTICE US DEPT OF	21,141	-
	Direct Total				1,694,157	145,333
Justice	Pass-through	16	DWMHA 00602121302	DETROIT CENTRAL CITY COMMUNITY MENTAL HEALTH	(466)	-
Justice	Pass-through	16.123	Detroit DOJ	DETROIT CITY OF	36,683	-
Justice	Pass-through	16.560	031100.364880.01	MISSISSIPPI STATE UNIVERSITY	125,282	-
Justice	Pass-through	16.560	M15P12131 (P00359)	YALE UNIVERSITY	91,037	-
Justice	Pass-through	16.609	2012-GP-BX-0007-MSU	CITY OF SAN JUAN, PUERTO RICO	2,157	-
Justice	Pass-through	16.751	2014-DB-BX-K010	BUREAU OF JUSTICE ASSISTANCE	232,976	-
Justice	Pass-through	16.751	2014-DB-BX-K010	BUREAU OF JUSTICE ASSISTANCE	83,559	-
Justice	Pass-through	16.817	5301095MSU	KETTERING UNIVERSITY	34,739	-
Justice	Pass-through	16.817	5301095MSU	KETTERING UNIVERSITY	1,367	-
	Pass-through Total				607,334	-
Justice Total					2,301,491	145,333
National Aeronautics & Space Administration	Direct	43.001	NNX15AD10G	NATL AERONAUTICS AND SPACE ADM	362,519	224,807
National Aeronautics & Space Administration	Direct	43.001	NNX15AD51G	NATL AERONAUTICS AND SPACE ADM	231,627	-
National Aeronautics & Space Administration	Direct	43.001	NNX14AD93G	NATL AERONAUTICS AND SPACE ADM	205,631	-
National Aeronautics & Space Administration	Direct	43.001	NNX12AL14A	NATL AERONAUTICS AND SPACE ADM	115,183	-
National Aeronautics & Space Administration	Direct	43.001	NNX12AN71G	NATL AERONAUTICS AND SPACE ADM	100,731	-
National Aeronautics & Space Administration	Direct	43.001	NNX13AI44G	NATL AERONAUTICS AND SPACE ADM	92,167	34,131
National Aeronautics & Space Administration	Direct	43.001	NNX15AI71G	NATL AERONAUTICS AND SPACE ADM	87,173	-
National Aeronautics & Space Administration	Direct	43.001	NNX14AQ36G	NATL AERONAUTICS AND SPACE ADM	81,720	-
National Aeronautics & Space Administration	Direct	43.001	NNX12AC98G	NATL AERONAUTICS AND SPACE ADM	53,614	9,946
National Aeronautics & Space Administration	Direct	43.001	NNX13AQ51G	NATL AERONAUTICS AND SPACE ADM	51,719	-
National Aeronautics & Space Administration	Direct	43.001	NNX13AK41G	NATL AERONAUTICS AND SPACE ADM	42,546	-
National Aeronautics & Space Administration	Direct	43.001	NNX13AI41G	NATL AERONAUTICS AND SPACE ADM	34,495	-
National Aeronautics & Space Administration	Direct	43.001	NNX13AI44G	NATL AERONAUTICS AND SPACE ADM	34,425	-
National Aeronautics & Space Administration	Direct	43.001	NNX16AE52G	NATL AERONAUTICS AND SPACE ADM	26,675	-
National Aeronautics & Space Administration	Direct	43.001	NNX15AU83G	NATL AERONAUTICS AND SPACE ADM	26,397	-
National Aeronautics & Space Administration	Direct	43.001	NNX14AO11H	NATL AERONAUTICS AND SPACE ADM	22,804	-
National Aeronautics & Space Administration	Direct	43.001	NNX12AH49G	NATL AERONAUTICS AND SPACE ADM	16,076	-
National Aeronautics & Space Administration	Direct	43.001	NNX15AP39G	NATL AERONAUTICS AND SPACE ADM	2,739	-
National Aeronautics & Space Administration	Direct	43.001	NNX11AJ60G	NATL AERONAUTICS AND SPACE ADM	5	-
National Aeronautics & Space Administration	Direct	43.002	NNX15AR80G	NATL AERONAUTICS AND SPACE ADM	35,288	-
National Aeronautics & Space Administration	Direct	43.003	NNX13AM77G	NATL AERONAUTICS AND SPACE ADM	373,113	-
National Aeronautics & Space Administration	Direct	43.007	NNX16AD52A	NATL AERONAUTICS AND SPACE ADM	38,641	-
National Aeronautics & Space Administration	Direct	43.007	NNX16AC24A	NATL AERONAUTICS AND SPACE ADM	14,260	-
National Aeronautics & Space Administration	Direct	43.007	NNX13AJ22A	NATL AERONAUTICS AND SPACE ADM	(5,993)	-
	Direct Total				2,043,555	268,884
National Aeronautics & Space Administration	Pass-through	43.001	MA03401	NATL SPACE BIOMEDICAL RESEARCH	312,242	-
National Aeronautics & Space Administration	Pass-through	43.001	1552613	COLORADO UNIVERSITY OF	107,647	-
National Aeronautics & Space Administration	Pass-through	43.001	Z683602	MARYLAND UNIV OF	66,550	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-GO-13367.001-A	SPACE TELESCOPE SCIENCE INSTIT	45,114	-
National Aeronautics & Space Administration	Pass-through	43.001	GO3-14029X	SMITHSONIAN ASTROPHYSICAL OBSE	31,279	-
National Aeronautics & Space Administration	Pass-through	43.001	GO4-15124X	SMITHSONIAN ASTROPHYSICAL OBSE	30,810	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
National Aeronautics & Space Administration	Pass-through	43.001	HST-AR-13261.01-A	SPACE TELESCOPE SCIENCE INSTIT	\$ 29,778	\$ -
National Aeronautics & Space Administration	Pass-through	43.001	TM5-16003X	SMITHSONIAN ASTROPHYSICAL OBSE	28,084	-
National Aeronautics & Space Administration	Pass-through	43.001	GO5-16132X	SMITHSONIAN ASTROPHYSICAL OBSE	25,461	-
National Aeronautics & Space Administration	Pass-through	43.001	1536353	JET PROPULSION LABORATORY	21,813	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-AR-13923.001-A	SPACE TELESCOPE SCIENCE INSTIT	11,561	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-AR-14315.001-A	SPACE TELESCOPE SCIENCE INSTIT	11,234	-
National Aeronautics & Space Administration	Pass-through	43.001	AR4-15007X	SMITHSONIAN ASTROPHYSICAL OBSE	6,847	-
National Aeronautics & Space Administration	Pass-through	43.001	GO4-15035A	SMITHSONIAN ASTROPHYSICAL OBSE	5,616	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-GO-13720.001-A	SPACE TELESCOPE SCIENCE INSTIT	4,715	-
National Aeronautics & Space Administration	Pass-through	43.001	AR3-14013X	SMITHSONIAN ASTROPHYSICAL OBSE	3,595	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-GO-13817.006-A	SPACE TELESCOPE SCIENCE INSTIT	3,271	-
National Aeronautics & Space Administration	Pass-through	43.001	GO4-15089A	SMITHSONIAN ASTROPHYSICAL OBSE	2,982	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-GO-12065.07-A	SPACE TELESCOPE SCIENCE INSTIT	2,554	-
National Aeronautics & Space Administration	Pass-through	43.001	GO5-16036X	SMITHSONIAN ASTROPHYSICAL OBSE	1,872	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-GO-12962.04-A	SPACE TELESCOPE SCIENCE INSTIT	261	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-GO-13295.03-A	SPACE TELESCOPE SCIENCE INSTIT	(23)	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-GO-13048.01-A	SPACE TELESCOPE SCIENCE INSTIT	(147)	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-GO-12759.12-A	SPACE TELESCOPE SCIENCE INSTIT	(631)	-
	Pass-through Total				<u>752,485</u>	<u>-</u>
National Aeronautics & Space Administration Total					<u>2,796,040</u>	<u>268,884</u>
National Science Foundation	Direct	47	DUE-1523739	NATL SCIENCE FOUNDATION	271,724	-
National Science Foundation	Direct	47	1637735	NATL SCIENCE FOUNDATION	55,680	-
National Science Foundation	Direct	47.041	CBET-1258581	NATL SCIENCE FOUNDATION	481,714	-
National Science Foundation	Direct	47.041	CMMI-1250261	NATL SCIENCE FOUNDATION	155,261	-
National Science Foundation	Direct	47.041	ECCS-1307939	NATL SCIENCE FOUNDATION	145,144	-
National Science Foundation	Direct	47.041	ECCS-1408115	NATL SCIENCE FOUNDATION	139,327	-
National Science Foundation	Direct	47.041	ECCS-1232109	NATL SCIENCE FOUNDATION	133,948	-
National Science Foundation	Direct	47.041	ECCS-1446793	NATL SCIENCE FOUNDATION	125,551	-
National Science Foundation	Direct	47.041	CBET-1510895	NATL SCIENCE FOUNDATION	119,739	-
National Science Foundation	Direct	47.041	CBET-1264772	NATL SCIENCE FOUNDATION	114,701	-
National Science Foundation	Direct	47.041	ECCS-1306311	NATL SCIENCE FOUNDATION	110,835	-
National Science Foundation	Direct	47.041	CBET-1336622	NATL SCIENCE FOUNDATION	105,607	-
National Science Foundation	Direct	47.041	CMMI-0846547	NATL SCIENCE FOUNDATION	104,088	-
National Science Foundation	Direct	47.041	CBET-1254662	NATL SCIENCE FOUNDATION	103,233	-
National Science Foundation	Direct	47.041	CBET-1438105	NATL SCIENCE FOUNDATION	100,906	-
National Science Foundation	Direct	47.041	CBET-1254238	NATL SCIENCE FOUNDATION	98,752	-
National Science Foundation	Direct	47.041	ECCS-1408506	NATL SCIENCE FOUNDATION	98,321	-
National Science Foundation	Direct	47.041	IIP-1444991	NATL SCIENCE FOUNDATION	88,344	-
National Science Foundation	Direct	47.041	CMMI-1301243	NATL SCIENCE FOUNDATION	86,679	-
National Science Foundation	Direct	47.041	CBET-1437657	NATL SCIENCE FOUNDATION	85,297	-
National Science Foundation	Direct	47.041	ECCS-1350560	NATL SCIENCE FOUNDATION	81,940	-
National Science Foundation	Direct	47.041	ECCS-1549517	NATL SCIENCE FOUNDATION	80,943	-
National Science Foundation	Direct	47.041	CBET-1254453	NATL SCIENCE FOUNDATION	80,874	-
National Science Foundation	Direct	47.041	ECCS-1407880	NATL SCIENCE FOUNDATION	80,241	24,799
National Science Foundation	Direct	47.041	CMMI-1463006	NATL SCIENCE FOUNDATION	76,515	-
National Science Foundation	Direct	47.041	CMMI-1150376	NATL SCIENCE FOUNDATION	73,929	-
National Science Foundation	Direct	47.041	CMMI-1335177	NATL SCIENCE FOUNDATION	73,831	-
National Science Foundation	Direct	47.041	PHY-1531199	NATL SCIENCE FOUNDATION	73,086	-
National Science Foundation	Direct	47.041	CMMI-1435126	NATL SCIENCE FOUNDATION	71,537	-
National Science Foundation	Direct	47.041	IIP-1343413	NATL SCIENCE FOUNDATION	69,550	-
National Science Foundation	Direct	47.041	CBET-1511098	NATL SCIENCE FOUNDATION	68,181	-
National Science Foundation	Direct	47.041	ECCS-1600417	NATL SCIENCE FOUNDATION	66,752	29,590
National Science Foundation	Direct	47.041	ECCS-1139773	NATL SCIENCE FOUNDATION	63,709	-
National Science Foundation	Direct	47.041	CBET-1547518	NATL SCIENCE FOUNDATION	61,174	-
National Science Foundation	Direct	47.041	CBET - 1134215	NATL SCIENCE FOUNDATION	53,273	-
National Science Foundation	Direct	47.041	ECCS-1102316	NATL SCIENCE FOUNDATION	52,706	-
National Science Foundation	Direct	47.041	CBET-1236120	NATL SCIENCE FOUNDATION	51,136	-
National Science Foundation	Direct	47.041	CMMI-1234067	NATL SCIENCE FOUNDATION	47,358	-
National Science Foundation	Direct	47.041	CBET-1510203	NATL SCIENCE FOUNDATION	44,213	-
National Science Foundation	Direct	47.041	CBET-1507789	NATL SCIENCE FOUNDATION	44,049	-
National Science Foundation	Direct	47.041	ECCS-1310257	NATL SCIENCE FOUNDATION	42,741	-
National Science Foundation	Direct	47.041	CMMI-1462118	NATL SCIENCE FOUNDATION	37,975	-
National Science Foundation	Direct	47.041	ECCS-1128467	NATL SCIENCE FOUNDATION	37,543	-
National Science Foundation	Direct	47.041	CBET-1233154	NATL SCIENCE FOUNDATION	29,978	-
National Science Foundation	Direct	47.041	EEC-1544068	NATL SCIENCE FOUNDATION	22,768	-
National Science Foundation	Direct	47.041	CMMI-1347533	NATL SCIENCE FOUNDATION	22,411	-
National Science Foundation	Direct	47.041	CMMI-1030821	NATL SCIENCE FOUNDATION	15,898	-
National Science Foundation	Direct	47.041	ECCS-1407875	NATL SCIENCE FOUNDATION	14,752	-
National Science Foundation	Direct	47.041	CBET-0941055	NATL SCIENCE FOUNDATION	11,675	-
National Science Foundation	Direct	47.041	CMMI-1100260	NATL SCIENCE FOUNDATION	11,209	-
National Science Foundation	Direct	47.041	CMMI-1561964	NATL SCIENCE FOUNDATION	10,918	-
National Science Foundation	Direct	47.041	CBET-1336622	NATL SCIENCE FOUNDATION	9,137	-
National Science Foundation	Direct	47.041	CMMI-1463164	NATL SCIENCE FOUNDATION	8,076	-
National Science Foundation	Direct	47.041	ECCS-1102316	NATL SCIENCE FOUNDATION	7,935	-
National Science Foundation	Direct	47.041	ECCS-1240500	NATL SCIENCE FOUNDATION	7,721	-
National Science Foundation	Direct	47.041	ECCS-1350560	NATL SCIENCE FOUNDATION	7,089	-
National Science Foundation	Direct	47.041	IIP-1444991	NATL SCIENCE FOUNDATION	6,238	-
National Science Foundation	Direct	47.041	CBET-1254238	NATL SCIENCE FOUNDATION	5,682	-
National Science Foundation	Direct	47.041	CBET-1437657	NATL SCIENCE FOUNDATION	4,154	-
National Science Foundation	Direct	47.041	CMMI-1150376	NATL SCIENCE FOUNDATION	3,993	-
National Science Foundation	Direct	47.041	CBET-1236120	NATL SCIENCE FOUNDATION	3,278	-
National Science Foundation	Direct	47.041	CBET-1254662	NATL SCIENCE FOUNDATION	3,082	-
National Science Foundation	Direct	47.041	CBET-1236393	NATL SCIENCE FOUNDATION	2,943	-
National Science Foundation	Direct	47.041	ECCS-1307939	NATL SCIENCE FOUNDATION	2,697	-
National Science Foundation	Direct	47.041	CMMI-103037	NATL SCIENCE FOUNDATION	2,047	-
National Science Foundation	Direct	47.041	ECCS-1549517	NATL SCIENCE FOUNDATION	1,810	-
National Science Foundation	Direct	47.041	CMMI-1150376	NATL SCIENCE FOUNDATION	1,550	-
National Science Foundation	Direct	47.041	CMMI-1347533	NATL SCIENCE FOUNDATION	1,335	-
National Science Foundation	Direct	47.041	CMMI-1100260	NATL SCIENCE FOUNDATION	644	-
National Science Foundation	Direct	47.041	ECCS-1301691	NATL SCIENCE FOUNDATION	279	-
National Science Foundation	Direct	47.041	CMMI-1000549	NATL SCIENCE FOUNDATION	126	-
National Science Foundation	Direct	47.041	CMMI-1150376	NATL SCIENCE FOUNDATION	83	-
National Science Foundation	Direct	47.041	CMMI-1000549	NATL SCIENCE FOUNDATION	(9)	-
National Science Foundation	Direct	47.041	ECCS-1240500	NATL SCIENCE FOUNDATION	(19)	-
National Science Foundation	Direct	47.041	CMMI-0846547	NATL SCIENCE FOUNDATION	(580)	-
National Science Foundation	Direct	47.041	ECCS-1301691	NATL SCIENCE FOUNDATION	(614)	-
National Science Foundation	Direct	47.041	CMMI-1068621	NATL SCIENCE FOUNDATION	(1,062)	-
National Science Foundation	Direct	47.049	PHY-1102511	NATL SCIENCE FOUNDATION	21,383,495	30,000
National Science Foundation	Direct	47.049	PHY-1430152	NATL SCIENCE FOUNDATION	1,903,242	1,155,622
National Science Foundation	Direct	47.049	PHY-1410972	NATL SCIENCE FOUNDATION	1,081,291	-
National Science Foundation	Direct	47.049	PHY-1428914	NATL SCIENCE FOUNDATION	382,733	-
National Science Foundation	Direct	47.049	PHY-1404442	NATL SCIENCE FOUNDATION	319,528	94,458
National Science Foundation	Direct	47.049	PHY-1417326	NATL SCIENCE FOUNDATION	293,125	-
National Science Foundation	Direct	47.049	PHY-1403906	NATL SCIENCE FOUNDATION	277,658	-
National Science Foundation	Direct	47.049	PHY-1404159	NATL SCIENCE FOUNDATION	215,556	-
National Science Foundation	Direct	47.049	PHY-1415462	NATL SCIENCE FOUNDATION	179,436	-
National Science Foundation	Direct	47.049	CHE-1300096	NATL SCIENCE FOUNDATION	158,486	-
National Science Foundation	Direct	47.049	DMR-1411102	NATL SCIENCE FOUNDATION	152,403	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
National Science Foundation	Direct	47.049	DMS-1216547	NATL SCIENCE FOUNDATION	\$ 144,187	\$ -
National Science Foundation	Direct	47.049	DMS-1211292	NATL SCIENCE FOUNDATION	144,054	-
National Science Foundation	Direct	47.049	CHE-1300063	NATL SCIENCE FOUNDATION	143,802	-
National Science Foundation	Direct	47.049	CHE-1412776	NATL SCIENCE FOUNDATION	140,769	-
National Science Foundation	Direct	47.049	CHE-1506315	NATL SCIENCE FOUNDATION	137,077	-
National Science Foundation	Direct	47.049	CHE-1213299	NATL SCIENCE FOUNDATION	131,882	-
National Science Foundation	Direct	47.049	CHE-1151590	NATL SCIENCE FOUNDATION	129,764	-
National Science Foundation	Direct	47.049	PHY-1350234	NATL SCIENCE FOUNDATION	125,854	-
National Science Foundation	Direct	47.049	DMS-1056840	NATL SCIENCE FOUNDATION	123,145	-
National Science Foundation	Direct	47.049	CHE-1464807	NATL SCIENCE FOUNDATION	118,513	-
National Science Foundation	Direct	47.049	PHY-0854889	NATL SCIENCE FOUNDATION	117,908	-
National Science Foundation	Direct	47.049	DMR-0955944	NATL SCIENCE FOUNDATION	108,098	-
National Science Foundation	Direct	47.049	DMS-1411411	NATL SCIENCE FOUNDATION	107,316	-
National Science Foundation	Direct	47.049	CHE-1465043	NATL SCIENCE FOUNDATION	106,507	-
National Science Foundation	Direct	47.049	PHY-1519045	NATL SCIENCE FOUNDATION	106,256	-
National Science Foundation	Direct	47.049	DMS-1300924	NATL SCIENCE FOUNDATION	99,566	-
National Science Foundation	Direct	47.049	DMR-1514591	NATL SCIENCE FOUNDATION	95,685	45,519
National Science Foundation	Direct	47.049	DMS-1318186	NATL SCIENCE FOUNDATION	95,571	-
National Science Foundation	Direct	47.049	DMR-1410417	NATL SCIENCE FOUNDATION	92,831	-
National Science Foundation	Direct	47.049	DMS-1522249	NATL SCIENCE FOUNDATION	92,808	-
National Science Foundation	Direct	47.049	CHE-1150378	NATL SCIENCE FOUNDATION	91,144	-
National Science Foundation	Direct	47.049	AST-1308124	NATL SCIENCE FOUNDATION	91,035	-
National Science Foundation	Direct	47.049	CHE-1265738	NATL SCIENCE FOUNDATION	88,003	-
National Science Foundation	Direct	47.049	DMS-1352407	NATL SCIENCE FOUNDATION	85,716	-
National Science Foundation	Direct	47.049	PHY-1430152	NATL SCIENCE FOUNDATION	76,633	-
National Science Foundation	Direct	47.049	DMS-1505364	NATL SCIENCE FOUNDATION	76,111	-
National Science Foundation	Direct	47.049	DMR-1410850	NATL SCIENCE FOUNDATION	75,746	-
National Science Foundation	Direct	47.049	DMR-1507489	NATL SCIENCE FOUNDATION	74,719	-
National Science Foundation	Direct	47.049	DMS-1362352	NATL SCIENCE FOUNDATION	69,908	-
National Science Foundation	Direct	47.049	DMS-1409940	NATL SCIENCE FOUNDATION	67,688	-
National Science Foundation	Direct	47.049	DMR-1206356	NATL SCIENCE FOUNDATION	67,399	-
National Science Foundation	Direct	47.049	CHE-1358842	NATL SCIENCE FOUNDATION	62,745	-
National Science Foundation	Direct	47.049	DMS-1404754	NATL SCIENCE FOUNDATION	61,205	-
National Science Foundation	Direct	47.049	DMS-1418959	NATL SCIENCE FOUNDATION	60,951	-
National Science Foundation	Direct	47.049	DMS-1222368	NATL SCIENCE FOUNDATION	59,876	-
National Science Foundation	Direct	47.049	PHY-1062410	NATL SCIENCE FOUNDATION	59,338	-
National Science Foundation	Direct	47.049	DMS-1416752	NATL SCIENCE FOUNDATION	57,760	-
National Science Foundation	Direct	47.049	DMS-1360733	NATL SCIENCE FOUNDATION	57,531	-
National Science Foundation	Direct	47.049	DMS-1056965	NATL SCIENCE FOUNDATION	56,407	-
National Science Foundation	Direct	47.049	DMS-1309856	NATL SCIENCE FOUNDATION	54,426	-
National Science Foundation	Direct	47.049	DMS-1305377	NATL SCIENCE FOUNDATION	53,196	-
National Science Foundation	Direct	47.049	PHY-1520971	NATL SCIENCE FOUNDATION	51,302	-
National Science Foundation	Direct	47.049	AST-1412549	NATL SCIENCE FOUNDATION	50,654	-
National Science Foundation	Direct	47.049	CHE-1213759	NATL SCIENCE FOUNDATION	50,586	-
National Science Foundation	Direct	47.049	DMS-1149408	NATL SCIENCE FOUNDATION	50,578	-
National Science Foundation	Direct	47.049	PHY-1559866	NATL SCIENCE FOUNDATION	44,395	-
National Science Foundation	Direct	47.049	CHE-1152762	NATL SCIENCE FOUNDATION	44,135	-
National Science Foundation	Direct	47.049	DMS-1150872	NATL SCIENCE FOUNDATION	44,114	-
National Science Foundation	Direct	47.049	CHE-1516126	NATL SCIENCE FOUNDATION	41,089	-
National Science Foundation	Direct	47.049	DMS-1346876	NATL SCIENCE FOUNDATION	40,439	-
National Science Foundation	Direct	47.049	AST-1412980	NATL SCIENCE FOUNDATION	38,511	-
National Science Foundation	Direct	47.049	AST-1412774	NATL SCIENCE FOUNDATION	36,934	-
National Science Foundation	Direct	47.049	DMS-1559776	NATL SCIENCE FOUNDATION	36,000	-
National Science Foundation	Direct	47.049	DMS-1207655	NATL SCIENCE FOUNDATION	35,670	-
National Science Foundation	Direct	47.049	DMS-1413060	NATL SCIENCE FOUNDATION	35,233	-
National Science Foundation	Direct	47.049	DMS-1418804	NATL SCIENCE FOUNDATION	33,906	-
National Science Foundation	Direct	47.049	CHE-1362812	NATL SCIENCE FOUNDATION	33,245	-
National Science Foundation	Direct	47.049	PHY-1068318	NATL SCIENCE FOUNDATION	31,498	31,486
National Science Foundation	Direct	47.049	PHY-1126282	NATL SCIENCE FOUNDATION	31,271	-
National Science Foundation	Direct	47.049	PHY-0855561	NATL SCIENCE FOUNDATION	30,658	-
National Science Foundation	Direct	47.049	AST-1516969	NATL SCIENCE FOUNDATION	29,499	-
National Science Foundation	Direct	47.049	DMS-1115587	NATL SCIENCE FOUNDATION	28,340	-
National Science Foundation	Direct	47.049	CHE-1507226	NATL SCIENCE FOUNDATION	27,927	-
National Science Foundation	Direct	47.049	DMS-1106450	NATL SCIENCE FOUNDATION	25,326	-
National Science Foundation	Direct	47.049	DMS 0845061	NATL SCIENCE FOUNDATION	25,308	-
National Science Foundation	Direct	47.049	CHE-1507588	NATL SCIENCE FOUNDATION	24,271	-
National Science Foundation	Direct	47.049	DMS-1265549	NATL SCIENCE FOUNDATION	22,298	-
National Science Foundation	Direct	47.049	AST-1514700	NATL SCIENCE FOUNDATION	21,837	-
National Science Foundation	Direct	47.049	DMR-1126343	NATL SCIENCE FOUNDATION	18,686	-
National Science Foundation	Direct	47.049	DMS-1205271	NATL SCIENCE FOUNDATION	17,598	-
National Science Foundation	Direct	47.049	DMS-1160352	NATL SCIENCE FOUNDATION	17,516	-
National Science Foundation	Direct	47.049	DMA-1209112	NATL SCIENCE FOUNDATION	17,194	-
National Science Foundation	Direct	47.049	DMS-1418973	NATL SCIENCE FOUNDATION	16,715	-
National Science Foundation	Direct	47.049	CHE-1358842	NATL SCIENCE FOUNDATION	15,998	-
National Science Foundation	Direct	47.049	DMS-1453661	NATL SCIENCE FOUNDATION	15,196	-
National Science Foundation	Direct	47.049	PHY-1415372	NATL SCIENCE FOUNDATION	14,121	-
National Science Foundation	Direct	47.049	DMS-1005366	NATL SCIENCE FOUNDATION	13,524	-
National Science Foundation	Direct	47.049	DMR-1636555	NATL SCIENCE FOUNDATION	12,973	-
National Science Foundation	Direct	47.049	DMR-1108211	NATL SCIENCE FOUNDATION	12,948	-
National Science Foundation	Direct	47.049	AST-1514763	NATL SCIENCE FOUNDATION	12,438	-
National Science Foundation	Direct	47.049	AST-1612964	NATL SCIENCE FOUNDATION	11,514	-
National Science Foundation	Direct	47.049	DMS-1160352	NATL SCIENCE FOUNDATION	11,324	-
National Science Foundation	Direct	47.049	PHY-1520929	NATL SCIENCE FOUNDATION	11,163	-
National Science Foundation	Direct	47.049	DMS-1065879	NATL SCIENCE FOUNDATION	9,877	-
National Science Foundation	Direct	47.049	DMS 1011793	NATL SCIENCE FOUNDATION	8,483	-
National Science Foundation	Direct	47.049	CHE-1516126	NATL SCIENCE FOUNDATION	7,866	-
National Science Foundation	Direct	47.049	DMS-1500386	NATL SCIENCE FOUNDATION	7,608	-
National Science Foundation	Direct	47.049	CHE-1565634	NATL SCIENCE FOUNDATION	7,597	-
National Science Foundation	Direct	47.049	DMS-1462156	NATL SCIENCE FOUNDATION	7,335	-
National Science Foundation	Direct	47.049	DMR-1554315	NATL SCIENCE FOUNDATION	6,776	-
National Science Foundation	Direct	47.049	DMS-1409940	NATL SCIENCE FOUNDATION	6,595	-
National Science Foundation	Direct	47.049	PHY-1559866	NATL SCIENCE FOUNDATION	6,569	-
National Science Foundation	Direct	47.049	PHY-1350234	NATL SCIENCE FOUNDATION	6,175	-
National Science Foundation	Direct	47.049	DMR-1206718	NATL SCIENCE FOUNDATION	6,052	-
National Science Foundation	Direct	47.049	DMR-1107117	NATL SCIENCE FOUNDATION	5,905	-
National Science Foundation	Direct	47.049	DMS-1005366	NATL SCIENCE FOUNDATION	5,309	-
National Science Foundation	Direct	47.049	PHY-1542096	NATL SCIENCE FOUNDATION	5,000	-
National Science Foundation	Direct	47.049	DMS-1208238	NATL SCIENCE FOUNDATION	4,169	-
National Science Foundation	Direct	47.049	DMS-1439979	NATL SCIENCE FOUNDATION	3,104	-
National Science Foundation	Direct	47.049	DMS-1559776	NATL SCIENCE FOUNDATION	2,177	-
National Science Foundation	Direct	47.049	DMS-1309156	NATL SCIENCE FOUNDATION	1,505	-
National Science Foundation	Direct	47.049	DMS-1502135	NATL SCIENCE FOUNDATION	1,487	-
National Science Foundation	Direct	47.049	DMS-1109127	NATL SCIENCE FOUNDATION	1,300	-
National Science Foundation	Direct	47.049	PHY-1068020	NATL SCIENCE FOUNDATION	1,143	-
National Science Foundation	Direct	47.049	AST-1612964	NATL SCIENCE FOUNDATION	808	-
National Science Foundation	Direct	47.049	PHY-1062410	NATL SCIENCE FOUNDATION	765	-
National Science Foundation	Direct	47.049	PHY-0952729	NATL SCIENCE FOUNDATION	638	-
National Science Foundation	Direct	47.049	DMS-1150872	NATL SCIENCE FOUNDATION	606	-
National Science Foundation	Direct	47.049	CHE-1151590	NATL SCIENCE FOUNDATION	228	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
National Science Foundation	Direct	47.049	DMS-0905917	NATL SCIENCE FOUNDATION	\$ (1)	\$ -
National Science Foundation	Direct	47.049	REC-0424018	NATL SCIENCE FOUNDATION	(34)	-
National Science Foundation	Direct	47.049	DMS-0405948 - Amend. #1	NATL SCIENCE FOUNDATION	(53)	-
National Science Foundation	Direct	47.049	PHY 1068648	NATL SCIENCE FOUNDATION	(82)	-
National Science Foundation	Direct	47.049	DMS-1102208	NATL SCIENCE FOUNDATION	(327)	-
National Science Foundation	Direct	47.049	AST-1109176	NATL SCIENCE FOUNDATION	(2,083)	-
National Science Foundation	Direct	47.049	DMR-1107117	NATL SCIENCE FOUNDATION	(2,279)	-
National Science Foundation	Direct	47.049	PHY-1068571	NATL SCIENCE FOUNDATION	(5,044)	-
National Science Foundation	Direct	47.049	PHY 0941373	NATL SCIENCE FOUNDATION	(24,852)	-
National Science Foundation	Direct	47.050	EAR-1039180	NATL SCIENCE FOUNDATION	334,816	-
National Science Foundation	Direct	47.050	EAR-1456430	NATL SCIENCE FOUNDATION	308,028	-
National Science Foundation	Direct	47.050	1523628	NATL SCIENCE FOUNDATION	234,887	87,498
National Science Foundation	Direct	47.050	ICER-1531086	NATL SCIENCE FOUNDATION	97,330	-
National Science Foundation	Direct	47.050	EAR-1462057	NATL SCIENCE FOUNDATION	86,538	-
National Science Foundation	Direct	47.050	EAR-1219647	NATL SCIENCE FOUNDATION	84,646	-
National Science Foundation	Direct	47.050	EAR-1443165	NATL SCIENCE FOUNDATION	74,290	-
National Science Foundation	Direct	47.050	EAR-1053373	NATL SCIENCE FOUNDATION	47,907	22,243
National Science Foundation	Direct	47.050	EAR-1446328	NATL SCIENCE FOUNDATION	19,679	-
National Science Foundation	Direct	47.050	AGS-1141921	NATL SCIENCE FOUNDATION	19,114	-
National Science Foundation	Direct	47.050	OCE-0928819	NATL SCIENCE FOUNDATION	17,558	-
National Science Foundation	Direct	47.050	ICER-1540576	NATL SCIENCE FOUNDATION	13,347	-
National Science Foundation	Direct	47.050	EAR-1053432	NATL SCIENCE FOUNDATION	8,778	-
National Science Foundation	Direct	47.050	EAR-1348935	NATL SCIENCE FOUNDATION	4,266	-
National Science Foundation	Direct	47.050	BCS-1263477	NATL SCIENCE FOUNDATION	2,014	-
National Science Foundation	Direct	47.070	CCF-1331852	NATL SCIENCE FOUNDATION	351,694	-
National Science Foundation	Direct	47.070	CNS 1502462	NATL SCIENCE FOUNDATION	293,820	204,265
National Science Foundation	Direct	47.070	IIS-1302285	NATL SCIENCE FOUNDATION	256,197	-
National Science Foundation	Direct	47.070	CNS-1318563	NATL SCIENCE FOUNDATION	255,521	-
National Science Foundation	Direct	47.070	CNS-1423221	NATL SCIENCE FOUNDATION	221,250	-
National Science Foundation	Direct	47.070	CNS-1300794	NATL SCIENCE FOUNDATION	169,418	-
National Science Foundation	Direct	47.070	CNS-1405273	NATL SCIENCE FOUNDATION	151,494	27,273
National Science Foundation	Direct	47.070	CNS-1318678	NATL SCIENCE FOUNDATION	150,412	-
National Science Foundation	Direct	47.070	CNS-1329807	NATL SCIENCE FOUNDATION	141,800	-
National Science Foundation	Direct	47.070	IIS-1208390	NATL SCIENCE FOUNDATION	136,256	-
National Science Foundation	Direct	47.070	CNS-1320561	NATL SCIENCE FOUNDATION	127,017	9,593
National Science Foundation	Direct	47.070	CNS-1217206	NATL SCIENCE FOUNDATION	126,375	-
National Science Foundation	Direct	47.070	IIS-0953096	NATL SCIENCE FOUNDATION	121,956	-
National Science Foundation	Direct	47.070	IIS-1422316	NATL SCIENCE FOUNDATION	117,101	-
National Science Foundation	Direct	47.070	CCF-1218377	NATL SCIENCE FOUNDATION	104,908	-
National Science Foundation	Direct	47.070	CNS-1547015	NATL SCIENCE FOUNDATION	93,412	-
National Science Foundation	Direct	47.070	IIS-1217212	NATL SCIENCE FOUNDATION	92,074	-
National Science Foundation	Direct	47.070	CNS-1423102	NATL SCIENCE FOUNDATION	78,123	-
National Science Foundation	Direct	47.070	IIS-1350253	NATL SCIENCE FOUNDATION	75,515	-
National Science Foundation	Direct	47.070	CNS-1421407	NATL SCIENCE FOUNDATION	72,252	-
National Science Foundation	Direct	47.070	CNS-1524296	NATL SCIENCE FOUNDATION	61,924	-
National Science Foundation	Direct	47.070	CNS 1305358	NATL SCIENCE FOUNDATION	61,649	-
National Science Foundation	Direct	47.070	IIS-1403004	NATL SCIENCE FOUNDATION	59,113	-
National Science Foundation	Direct	47.070	IIS-1452479	NATL SCIENCE FOUNDATION	53,847	-
National Science Foundation	Direct	47.070	IIS-1319909	NATL SCIENCE FOUNDATION	46,713	-
National Science Foundation	Direct	47.070	CNS-1117831	NATL SCIENCE FOUNDATION	43,134	-
National Science Foundation	Direct	47.070	IIS-1251031	NATL SCIENCE FOUNDATION	42,213	-
National Science Foundation	Direct	47.070	CNS-1300794	NATL SCIENCE FOUNDATION	41,244	-
National Science Foundation	Direct	47.070	CCF-1117900	NATL SCIENCE FOUNDATION	40,214	-
National Science Foundation	Direct	47.070	IIS-1319602	NATL SCIENCE FOUNDATION	37,877	-
National Science Foundation	Direct	47.070	CNS-0845812	NATL SCIENCE FOUNDATION	33,290	-
National Science Foundation	Direct	47.070	CNS-1116544	NATL SCIENCE FOUNDATION	27,062	-
National Science Foundation	Direct	47.070	CCF-1541309	NATL SCIENCE FOUNDATION	24,000	-
National Science Foundation	Direct	47.070	CNS-0954039	NATL SCIENCE FOUNDATION	21,658	-
National Science Foundation	Direct	47.070	CNS-1524698	NATL SCIENCE FOUNDATION	21,089	-
National Science Foundation	Direct	47.070	CNS-1552720	NATL SCIENCE FOUNDATION	20,000	-
National Science Foundation	Direct	47.070	CNS-1609339	NATL SCIENCE FOUNDATION	17,899	-
National Science Foundation	Direct	47.070	CNS 1017598	NATL SCIENCE FOUNDATION	16,123	-
National Science Foundation	Direct	47.070	CCF-1533802	NATL SCIENCE FOUNDATION	13,884	-
National Science Foundation	Direct	47.070	IIS-1054585	NATL SCIENCE FOUNDATION	13,865	-
National Science Foundation	Direct	47.070	CNS-1343482	NATL SCIENCE FOUNDATION	12,150	-
National Science Foundation	Direct	47.070	CNS-1017588	NATL SCIENCE FOUNDATION	10,793	-
National Science Foundation	Direct	47.070	CNS-1524520	NATL SCIENCE FOUNDATION	9,950	-
National Science Foundation	Direct	47.070	CCF-1018516	NATL SCIENCE FOUNDATION	9,486	-
National Science Foundation	Direct	47.070	CNS-1502462	NATL SCIENCE FOUNDATION	8,900	-
National Science Foundation	Direct	47.070	CCF-1422262	NATL SCIENCE FOUNDATION	8,299	-
National Science Foundation	Direct	47.070	CNS-1609339	NATL SCIENCE FOUNDATION	7,129	-
National Science Foundation	Direct	47.070	CCF-1117709	NATL SCIENCE FOUNDATION	5,944	-
National Science Foundation	Direct	47.070	CNS-1115926	NATL SCIENCE FOUNDATION	5,668	-
National Science Foundation	Direct	47.070	CNS-1115926	NATL SCIENCE FOUNDATION	4,614	-
National Science Foundation	Direct	47.070	IIS-1350253	NATL SCIENCE FOUNDATION	4,383	-
National Science Foundation	Direct	47.070	IIS-1422316	NATL SCIENCE FOUNDATION	3,945	-
National Science Foundation	Direct	47.070	IIS-1302285	NATL SCIENCE FOUNDATION	3,756	-
National Science Foundation	Direct	47.070	IIS-1319909	NATL SCIENCE FOUNDATION	3,701	-
National Science Foundation	Direct	47.070	CNS-1017588	NATL SCIENCE FOUNDATION	3,529	-
National Science Foundation	Direct	47.070	CCF-1101266	NATL SCIENCE FOUNDATION	3,000	-
National Science Foundation	Direct	47.070	CNS 1017598	NATL SCIENCE FOUNDATION	2,985	-
National Science Foundation	Direct	47.070	CNS-1116544	NATL SCIENCE FOUNDATION	2,667	-
National Science Foundation	Direct	47.070	ACI-1514580	NATL SCIENCE FOUNDATION	2,469	-
National Science Foundation	Direct	47.070	CNS-1218475	NATL SCIENCE FOUNDATION	1,719	-
National Science Foundation	Direct	47.070	IIS-1565596	NATL SCIENCE FOUNDATION	1,441	-
National Science Foundation	Direct	47.070	IIS-1208390	NATL SCIENCE FOUNDATION	1,000	-
National Science Foundation	Direct	47.070	CCF-1347953	NATL SCIENCE FOUNDATION	814	-
National Science Foundation	Direct	47.070	CCF-1101266	NATL SCIENCE FOUNDATION	52	-
National Science Foundation	Direct	47.070	CNS-1116544	NATL SCIENCE FOUNDATION	(5)	-
National Science Foundation	Direct	47.070	CNS-0915851	NATL SCIENCE FOUNDATION	(866)	-
National Science Foundation	Direct	47.070	CNS 1017477	NATL SCIENCE FOUNDATION	(1,860)	-
National Science Foundation	Direct	47.074	DBI-0939454	NATL SCIENCE FOUNDATION	5,122,116	1,953,149
National Science Foundation	Direct	47.074	IOS-1237969	NATL SCIENCE FOUNDATION	1,023,847	379,381
National Science Foundation	Direct	47.074	DEB-1027253	NATL SCIENCE FOUNDATION	620,314	-
National Science Foundation	Direct	47.074	IOS-1444499	NATL SCIENCE FOUNDATION	595,274	415,718
National Science Foundation	Direct	47.074	IOS-1025636	NATL SCIENCE FOUNDATION	462,375	186,571
National Science Foundation	Direct	47.074	EF-1340812	NATL SCIENCE FOUNDATION	449,202	-
National Science Foundation	Direct	47.074	IOS-0922493	NATL SCIENCE FOUNDATION	408,134	335,411
National Science Foundation	Direct	47.074	MCB-1514706	NATL SCIENCE FOUNDATION	296,369	-
National Science Foundation	Direct	47.074	MCB-1359636	NATL SCIENCE FOUNDATION	276,362	-
National Science Foundation	Direct	47.074	MCB-1244300	NATL SCIENCE FOUNDATION	273,009	-
National Science Foundation	Direct	47.074	MCB-1119778	NATL SCIENCE FOUNDATION	272,982	-
National Science Foundation	Direct	47.074	MCB-1243792	NATL SCIENCE FOUNDATION	264,102	-
National Science Foundation	Direct	47.074	MCB-1411272	NATL SCIENCE FOUNDATION	207,912	3,684
National Science Foundation	Direct	47.074	IOS-1354195	NATL SCIENCE FOUNDATION	202,656	-
National Science Foundation	Direct	47.074	IOS-1237969	NATL SCIENCE FOUNDATION	199,212	-
National Science Foundation	Direct	47.074	MCB-1121943	NATL SCIENCE FOUNDATION	196,407	40,952
National Science Foundation	Direct	47.074	IOS-1350772	NATL SCIENCE FOUNDATION	188,486	-
National Science Foundation	Direct	47.074	MCB-1243654	NATL SCIENCE FOUNDATION	176,408	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
National Science Foundation	Direct	47.074	MCB-1330560	NATL SCIENCE FOUNDATION	\$ 173,136	\$ -
National Science Foundation	Direct	47.074	MCB-135594	NATL SCIENCE FOUNDATION	170,297	-
National Science Foundation	Direct	47.074	MCB-1413356	NATL SCIENCE FOUNDATION	160,963	-
National Science Foundation	Direct	47.074	MCB-1515169	NATL SCIENCE FOUNDATION	152,868	-
National Science Foundation	Direct	47.074	DEB-1241136	NATL SCIENCE FOUNDATION	152,465	-
National Science Foundation	Direct	47.074	MCB-1243983	NATL SCIENCE FOUNDATION	152,271	-
National Science Foundation	Direct	47.074	DEB-1145808	NATL SCIENCE FOUNDATION	152,219	-
National Science Foundation	Direct	47.074	IOS-1146128	NATL SCIENCE FOUNDATION	148,464	-
National Science Foundation	Direct	47.074	IOS-1456864	NATL SCIENCE FOUNDATION	130,949	-
National Science Foundation	Direct	47.074	IOS-1237969	NATL SCIENCE FOUNDATION	124,196	-
National Science Foundation	Direct	47.074	MCB-1121650	NATL SCIENCE FOUNDATION	122,745	-
National Science Foundation	Direct	47.074	IOS-1354721	NATL SCIENCE FOUNDATION	122,694	-
National Science Foundation	Direct	47.074	MCB-1330441	NATL SCIENCE FOUNDATION	119,564	-
National Science Foundation	Direct	47.074	DEB-1518518	NATL SCIENCE FOUNDATION	115,973	31,527
National Science Foundation	Direct	47.074	MCB-1517241	NATL SCIENCE FOUNDATION	114,968	-
National Science Foundation	Direct	47.074	IOS-1354089	NATL SCIENCE FOUNDATION	112,532	-
National Science Foundation	Direct	47.074	IOS-1455405	NATL SCIENCE FOUNDATION	112,122	2,369
National Science Foundation	Direct	47.074	DEB-0952659	NATL SCIENCE FOUNDATION	108,272	-
National Science Foundation	Direct	47.074	EF-1065786	NATL SCIENCE FOUNDATION	107,787	-
National Science Foundation	Direct	47.074	EF-1065786	NATL SCIENCE FOUNDATION	106,686	-
National Science Foundation	Direct	47.074	DEB-1518366	NATL SCIENCE FOUNDATION	104,548	15,119
National Science Foundation	Direct	47.074	DEB-0919452	NATL SCIENCE FOUNDATION	103,533	-
National Science Foundation	Direct	47.074	DEB-1136710	NATL SCIENCE FOUNDATION	102,980	-
National Science Foundation	Direct	47.074	DEB-1257756	NATL SCIENCE FOUNDATION	101,491	-
National Science Foundation	Direct	47.074	DBI-1460569	NATL SCIENCE FOUNDATION	98,320	-
National Science Foundation	Direct	47.074	MCB-1253684	NATL SCIENCE FOUNDATION	97,159	-
National Science Foundation	Direct	47.074	IOS-1051919	NATL SCIENCE FOUNDATION	92,525	-
National Science Foundation	Direct	47.074	DEB-1547961	NATL SCIENCE FOUNDATION	92,451	-
National Science Foundation	Direct	47.074	DEB-1342793	NATL SCIENCE FOUNDATION	90,978	-
National Science Foundation	Direct	47.074	IOS-0920142	NATL SCIENCE FOUNDATION	83,381	-
National Science Foundation	Direct	47.074	DBI-1359302	NATL SCIENCE FOUNDATION	83,235	-
National Science Foundation	Direct	47.074	DBI-1356380	NATL SCIENCE FOUNDATION	81,509	-
National Science Foundation	Direct	47.074	DEB-1556262	NATL SCIENCE FOUNDATION	80,511	-
National Science Foundation	Direct	47.074	MCB-1157231	NATL SCIENCE FOUNDATION	73,996	-
National Science Foundation	Direct	47.074	DEB-1027253	NATL SCIENCE FOUNDATION	71,784	-
National Science Foundation	Direct	47.074	IOS-1456482	NATL SCIENCE FOUNDATION	67,664	-
National Science Foundation	Direct	47.074	IOS-1054243	NATL SCIENCE FOUNDATION	66,977	-
National Science Foundation	Direct	47.074	DEB-1027253	NATL SCIENCE FOUNDATION	66,700	-
National Science Foundation	Direct	47.074	EF-1137309	NATL SCIENCE FOUNDATION	65,627	-
National Science Foundation	Direct	47.074	DBI-1153888	NATL SCIENCE FOUNDATION	65,165	-
National Science Foundation	Direct	47.074	DEB-1027253	NATL SCIENCE FOUNDATION	64,142	-
National Science Foundation	Direct	47.074	DEB-1451740	NATL SCIENCE FOUNDATION	58,784	-
National Science Foundation	Direct	47.074	DEB-1027253	NATL SCIENCE FOUNDATION	58,740	-
National Science Foundation	Direct	47.074	DEB-1456615	NATL SCIENCE FOUNDATION	57,642	-
National Science Foundation	Direct	47.074	DBI-1458556	NATL SCIENCE FOUNDATION	55,707	-
National Science Foundation	Direct	47.074	DBI-1358474	NATL SCIENCE FOUNDATION	55,492	-
National Science Foundation	Direct	47.074	DBI-0939454	NATL SCIENCE FOUNDATION	55,413	-
National Science Foundation	Direct	47.074	DEB-1027253	NATL SCIENCE FOUNDATION	52,001	-
National Science Foundation	Direct	47.074	DEB-1027253	NATL SCIENCE FOUNDATION	50,862	-
National Science Foundation	Direct	47.074	DEB-1354878	NATL SCIENCE FOUNDATION	49,546	-
National Science Foundation	Direct	47.074	DEB-1556262	NATL SCIENCE FOUNDATION	49,450	-
National Science Foundation	Direct	47.074	IOS-1121474	NATL SCIENCE FOUNDATION	49,366	-
National Science Foundation	Direct	47.074	DEB-1258005	NATL SCIENCE FOUNDATION	43,212	-
National Science Foundation	Direct	47.074	IOS-1331218	NATL SCIENCE FOUNDATION	40,058	-
National Science Foundation	Direct	47.074	DEB-1354414	NATL SCIENCE FOUNDATION	39,869	21,975
National Science Foundation	Direct	47.074	EF-1340604	NATL SCIENCE FOUNDATION	38,563	-
National Science Foundation	Direct	47.074	IOS-1146614	NATL SCIENCE FOUNDATION	35,581	-
National Science Foundation	Direct	47.074	DEB-1313677	NATL SCIENCE FOUNDATION	32,770	-
National Science Foundation	Direct	47.074	DBI-0939454	NATL SCIENCE FOUNDATION	32,127	27,270
National Science Foundation	Direct	47.074	IOS-1237969	NATL SCIENCE FOUNDATION	31,866	-
National Science Foundation	Direct	47.074	DEB-0843140	NATL SCIENCE FOUNDATION	31,813	-
National Science Foundation	Direct	47.074	DBI-0953738	NATL SCIENCE FOUNDATION	31,546	-
National Science Foundation	Direct	47.074	DEB-1359138	NATL SCIENCE FOUNDATION	31,289	-
National Science Foundation	Direct	47.074	DEB-1027253	NATL SCIENCE FOUNDATION	30,396	-
National Science Foundation	Direct	47.074	DEB-0845932	NATL SCIENCE FOUNDATION	28,476	-
National Science Foundation	Direct	47.074	IOS-1021755	NATL SCIENCE FOUNDATION	27,810	-
National Science Foundation	Direct	47.074	MCB-1515002	NATL SCIENCE FOUNDATION	27,484	-
National Science Foundation	Direct	47.074	DBI-1460569	NATL SCIENCE FOUNDATION	27,037	-
National Science Foundation	Direct	47.074	DEB-0919452	NATL SCIENCE FOUNDATION	25,300	-
National Science Foundation	Direct	47.074	MCB-1119778	NATL SCIENCE FOUNDATION	25,233	-
National Science Foundation	Direct	47.074	DEB-1027253	NATL SCIENCE FOUNDATION	24,090	-
National Science Foundation	Direct	47.074	EF-1253225	NATL SCIENCE FOUNDATION	23,494	-
National Science Foundation	Direct	47.074	MCB-1121650	NATL SCIENCE FOUNDATION	21,931	-
National Science Foundation	Direct	47.074	DBI-1358474	NATL SCIENCE FOUNDATION	21,782	-
National Science Foundation	Direct	47.074	DEB-1027253	NATL SCIENCE FOUNDATION	20,955	-
National Science Foundation	Direct	47.074	IOS-1444499	NATL SCIENCE FOUNDATION	19,289	-
National Science Foundation	Direct	47.074	DEB-1027253	NATL SCIENCE FOUNDATION	18,665	-
National Science Foundation	Direct	47.074	DBI-1359302	NATL SCIENCE FOUNDATION	18,053	-
National Science Foundation	Direct	47.074	DEB-1027253	NATL SCIENCE FOUNDATION	17,665	-
National Science Foundation	Direct	47.074	DEB-1552197	NATL SCIENCE FOUNDATION	16,873	-
National Science Foundation	Direct	47.074	IOS-1353110	NATL SCIENCE FOUNDATION	16,843	5,760
National Science Foundation	Direct	47.074	MCB-1121650	NATL SCIENCE FOUNDATION	15,373	-
National Science Foundation	Direct	47.074	DEB-1256663	NATL SCIENCE FOUNDATION	15,253	-
National Science Foundation	Direct	47.074	DEB-1313677	NATL SCIENCE FOUNDATION	15,009	-
National Science Foundation	Direct	47.074	DEB-1405840	NATL SCIENCE FOUNDATION	14,987	-
National Science Foundation	Direct	47.074	DEB-0845932	NATL SCIENCE FOUNDATION	14,551	-
National Science Foundation	Direct	47.074	IOS-1557324	NATL SCIENCE FOUNDATION	14,397	-
National Science Foundation	Direct	47.074	MCB-1411272	NATL SCIENCE FOUNDATION	13,913	-
National Science Foundation	Direct	47.074	EF-1114856	NATL SCIENCE FOUNDATION	13,344	-
National Science Foundation	Direct	47.074	MCB-1542742	NATL SCIENCE FOUNDATION	13,000	-
National Science Foundation	Direct	47.074	DEB-1208826	NATL SCIENCE FOUNDATION	11,356	-
National Science Foundation	Direct	47.074	EF-1253225	NATL SCIENCE FOUNDATION	10,935	-
National Science Foundation	Direct	47.074	DEB - 1401582	NATL SCIENCE FOUNDATION	10,844	-
National Science Foundation	Direct	47.074	DEB-1547024	NATL SCIENCE FOUNDATION	8,972	-
National Science Foundation	Direct	47.074	DEB-1547549	NATL SCIENCE FOUNDATION	8,578	-
National Science Foundation	Direct	47.074	DEB-1313677	NATL SCIENCE FOUNDATION	8,496	-
National Science Foundation	Direct	47.074	DEB-1445633	NATL SCIENCE FOUNDATION	8,401	-
National Science Foundation	Direct	47.074	EF-1550765	NATL SCIENCE FOUNDATION	7,739	-
National Science Foundation	Direct	47.074	DBI-0939454	NATL SCIENCE FOUNDATION	6,783	-
National Science Foundation	Direct	47.074	MCB-1330441	NATL SCIENCE FOUNDATION	6,720	-
National Science Foundation	Direct	47.074	DEB-1354085	NATL SCIENCE FOUNDATION	6,657	-
National Science Foundation	Direct	47.074	DEB-0914476	NATL SCIENCE FOUNDATION	6,185	-
National Science Foundation	Direct	47.074	DBI-0939454	NATL SCIENCE FOUNDATION	6,150	-
National Science Foundation	Direct	47.074	MCB-1517241	NATL SCIENCE FOUNDATION	6,052	-
National Science Foundation	Direct	47.074	DEB-1342793	NATL SCIENCE FOUNDATION	6,000	-
National Science Foundation	Direct	47.074	DEB-1257756	NATL SCIENCE FOUNDATION	5,167	-
National Science Foundation	Direct	47.074	IOS-1354721	NATL SCIENCE FOUNDATION	4,200	-
National Science Foundation	Direct	47.074	IOS-1455405	NATL SCIENCE FOUNDATION	4,144	-
National Science Foundation	Direct	47.074	DEB-1354085	NATL SCIENCE FOUNDATION	3,804	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
National Science Foundation	Direct	47.074	BCS-1349125	NATL SCIENCE FOUNDATION	\$ 3,574	\$ -
National Science Foundation	Direct	47.074	IOS-1144391	NATL SCIENCE FOUNDATION	3,426	-
National Science Foundation	Direct	47.074	DEB-0928819	NATL SCIENCE FOUNDATION	3,423	-
National Science Foundation	Direct	47.074	DBI-1153888	NATL SCIENCE FOUNDATION	3,245	-
National Science Foundation	Direct	47.074	IOS-1456864	NATL SCIENCE FOUNDATION	3,070	-
National Science Foundation	Direct	47.074	DEB-1620018	NATL SCIENCE FOUNDATION	2,888	-
National Science Foundation	Direct	47.074	IBN 0130977	NATL SCIENCE FOUNDATION	2,794	-
National Science Foundation	Direct	47.074	MCB-1243983	NATL SCIENCE FOUNDATION	2,452	-
National Science Foundation	Direct	47.074	MCB-1330441	NATL SCIENCE FOUNDATION	2,209	-
National Science Foundation	Direct	47.074	DBI-1600556	NATL SCIENCE FOUNDATION	1,905	-
National Science Foundation	Direct	47.074	IOS-1350772	NATL SCIENCE FOUNDATION	1,891	-
National Science Foundation	Direct	47.074	MCB-1243792	NATL SCIENCE FOUNDATION	1,717	-
National Science Foundation	Direct	47.074	DEB-1407149	NATL SCIENCE FOUNDATION	1,343	-
National Science Foundation	Direct	47.074	DEB-1456615	NATL SCIENCE FOUNDATION	1,318	-
National Science Foundation	Direct	47.074	DEB-1022202	NATL SCIENCE FOUNDATION	951	-
National Science Foundation	Direct	47.074	IOS-1557437	NATL SCIENCE FOUNDATION	706	-
National Science Foundation	Direct	47.074	MCB-1119778	NATL SCIENCE FOUNDATION	650	-
National Science Foundation	Direct	47.074	DEB-1027253	NATL SCIENCE FOUNDATION	601	-
National Science Foundation	Direct	47.074	REC-0401647	NATL SCIENCE FOUNDATION	335	-
National Science Foundation	Direct	47.074	DEB-1556262	NATL SCIENCE FOUNDATION	286	-
National Science Foundation	Direct	47.074	IOS-1237969	NATL SCIENCE FOUNDATION	204	-
National Science Foundation	Direct	47.074	IOS-1054243	NATL SCIENCE FOUNDATION	74	-
National Science Foundation	Direct	47.074	MCB-1050867	NATL SCIENCE FOUNDATION	64	-
National Science Foundation	Direct	47.074	DEB-1313677	NATL SCIENCE FOUNDATION	58	-
National Science Foundation	Direct	47.074	EF-1115183	NATL SCIENCE FOUNDATION	56	-
National Science Foundation	Direct	47.074	IOS-1444499	NATL SCIENCE FOUNDATION	54	-
National Science Foundation	Direct	47.074	DEB-1022202	NATL SCIENCE FOUNDATION	52	-
National Science Foundation	Direct	47.074	DEB-1245725	NATL SCIENCE FOUNDATION	13	-
National Science Foundation	Direct	47.074	MCB-1121943	NATL SCIENCE FOUNDATION	10	-
National Science Foundation	Direct	47.074	DBI-1262475	NATL SCIENCE FOUNDATION	1	-
National Science Foundation	Direct	47.074	DEB 1019989	NATL SCIENCE FOUNDATION	(22)	-
National Science Foundation	Direct	47.074	IOS-1311455	NATL SCIENCE FOUNDATION	(53)	-
National Science Foundation	Direct	47.074	MCB-1050867	NATL SCIENCE FOUNDATION	(144)	-
National Science Foundation	Direct	47.074	MCB-1021948	NATL SCIENCE FOUNDATION	(205)	-
National Science Foundation	Direct	47.074	DEB-0914476	NATL SCIENCE FOUNDATION	(224)	-
National Science Foundation	Direct	47.074	MCB-1157231	NATL SCIENCE FOUNDATION	(230)	-
National Science Foundation	Direct	47.074	IOS-1448393	NATL SCIENCE FOUNDATION	(799)	-
National Science Foundation	Direct	47.074	IOS-0742833	NATL SCIENCE FOUNDATION	(1,859)	-
National Science Foundation	Direct	47.075	BCS 0909378	NATL SCIENCE FOUNDATION	352,974	52,411
National Science Foundation	Direct	47.075	SMA-1328503	NATL SCIENCE FOUNDATION	270,563	94,042
National Science Foundation	Direct	47.075	SES-1318885	NATL SCIENCE FOUNDATION	209,150	-
National Science Foundation	Direct	47.075	BCS-1149078	NATL SCIENCE FOUNDATION	165,210	-
National Science Foundation	Direct	47.075	SES-1429948	NATL SCIENCE FOUNDATION	154,751	-
National Science Foundation	Direct	47.075	SMA-1416730	NATL SCIENCE FOUNDATION	126,733	62,608
National Science Foundation	Direct	47.075	SES-1430372	NATL SCIENCE FOUNDATION	100,730	-
National Science Foundation	Direct	47.075	BCS-1431063	NATL SCIENCE FOUNDATION	72,386	-
National Science Foundation	Direct	47.075	SMA-1416730	NATL SCIENCE FOUNDATION	66,750	-
National Science Foundation	Direct	47.075	SES-1449466	NATL SCIENCE FOUNDATION	65,829	-
National Science Foundation	Direct	47.075	SMA-1416730	NATL SCIENCE FOUNDATION	56,377	-
National Science Foundation	Direct	47.075	SES-1429948	NATL SCIENCE FOUNDATION	53,031	-
National Science Foundation	Direct	47.075	SES-1459879	NATL SCIENCE FOUNDATION	50,160	-
National Science Foundation	Direct	47.075	BCS-0823003	NATL SCIENCE FOUNDATION	40,960	-
National Science Foundation	Direct	47.075	SES-1533499	NATL SCIENCE FOUNDATION	39,742	-
National Science Foundation	Direct	47.075	BCS-1541825	NATL SCIENCE FOUNDATION	38,329	-
National Science Foundation	Direct	47.075	SES-1338614	NATL SCIENCE FOUNDATION	35,873	-
National Science Foundation	Direct	47.075	SMA-1064157	NATL SCIENCE FOUNDATION	33,387	-
National Science Foundation	Direct	47.075	SES-1560846	NATL SCIENCE FOUNDATION	31,404	-
National Science Foundation	Direct	47.075	SES-1540314	NATL SCIENCE FOUNDATION	30,302	-
National Science Foundation	Direct	47.075	SES-1533947	NATL SCIENCE FOUNDATION	25,751	-
National Science Foundation	Direct	47.075	BCS-1230281	NATL SCIENCE FOUNDATION	24,927	-
National Science Foundation	Direct	47.075	SES-1357869	NATL SCIENCE FOUNDATION	24,245	-
National Science Foundation	Direct	47.075	SES-1247824	NATL SCIENCE FOUNDATION	23,453	-
National Science Foundation	Direct	47.075	BCS-1541825	NATL SCIENCE FOUNDATION	22,207	-
National Science Foundation	Direct	47.075	BCS-1244796	NATL SCIENCE FOUNDATION	20,528	-
National Science Foundation	Direct	47.075	SES-1556270	NATL SCIENCE FOUNDATION	18,708	-
National Science Foundation	Direct	47.075	SES-1330999	NATL SCIENCE FOUNDATION	17,950	-
National Science Foundation	Direct	47.075	SES-1457138	NATL SCIENCE FOUNDATION	15,960	-
National Science Foundation	Direct	47.075	SES-1231206	NATL SCIENCE FOUNDATION	13,944	-
National Science Foundation	Direct	47.075	SES-1457138	NATL SCIENCE FOUNDATION	8,741	-
National Science Foundation	Direct	47.075	SES-1533947	NATL SCIENCE FOUNDATION	6,305	-
National Science Foundation	Direct	47.075	BCS-1536133	NATL SCIENCE FOUNDATION	4,407	-
National Science Foundation	Direct	47.075	BCS-1509435	NATL SCIENCE FOUNDATION	3,971	-
National Science Foundation	Direct	47.075	SES-1318885	NATL SCIENCE FOUNDATION	2,667	-
National Science Foundation	Direct	47.075	SES-1231206	NATL SCIENCE FOUNDATION	2,600	-
National Science Foundation	Direct	47.075	SES-1533947	NATL SCIENCE FOUNDATION	1,966	-
National Science Foundation	Direct	47.075	BCS-1449667	NATL SCIENCE FOUNDATION	1,838	-
National Science Foundation	Direct	47.075	BCS-1559045	NATL SCIENCE FOUNDATION	1,276	-
National Science Foundation	Direct	47.075	BCS-1431063	NATL SCIENCE FOUNDATION	386	-
National Science Foundation	Direct	47.075	SES-1431314	NATL SCIENCE FOUNDATION	153	-
National Science Foundation	Direct	47.075	BCS-1265444	NATL SCIENCE FOUNDATION	(49)	-
National Science Foundation	Direct	47.075	CMS-0409666	NATL SCIENCE FOUNDATION	(122)	-
National Science Foundation	Direct	47.075	BCS-0847237	NATL SCIENCE FOUNDATION	(2,621)	-
National Science Foundation	Direct	47.076	1440988	NATL SCIENCE FOUNDATION	1,319,267	375,022
National Science Foundation	Direct	47.076	DGE-1424871	NATL SCIENCE FOUNDATION	1,030,834	-
National Science Foundation	Direct	47.076	DRL-1420532	NATL SCIENCE FOUNDATION	624,132	59,850
National Science Foundation	Direct	47.076	DRL-1232388	NATL SCIENCE FOUNDATION	590,670	218,095
National Science Foundation	Direct	47.076	DRL-1316702	NATL SCIENCE FOUNDATION	587,201	-
National Science Foundation	Direct	47.076	DRL-1228034	NATL SCIENCE FOUNDATION	438,382	292,383
National Science Foundation	Direct	47.076	DRL-1417672	NATL SCIENCE FOUNDATION	432,402	228,737
National Science Foundation	Direct	47.076	DRL-1020187	NATL SCIENCE FOUNDATION	370,829	184,285
National Science Foundation	Direct	47.076	NSF FED GOV FELLOWSHIP FEES	NATL SCIENCE FOUNDATION	328,662	-
National Science Foundation	Direct	47.076	DRL-1119327	NATL SCIENCE FOUNDATION	291,647	17,880
National Science Foundation	Direct	47.076	DRL-1420492	NATL SCIENCE FOUNDATION	256,012	-
National Science Foundation	Direct	47.076	DUE-1323162	NATL SCIENCE FOUNDATION	255,015	-
National Science Foundation	Direct	47.076	DRL-1119055	NATL SCIENCE FOUNDATION	247,905	67,033
National Science Foundation	Direct	47.076	DUE-1431725	NATL SCIENCE FOUNDATION	240,113	87,474
National Science Foundation	Direct	47.076	DUE-1347605	NATL SCIENCE FOUNDATION	213,680	189,165
National Science Foundation	Direct	47.076	DRL-1404467	NATL SCIENCE FOUNDATION	193,305	-
National Science Foundation	Direct	47.076	DRL-1421116	NATL SCIENCE FOUNDATION	191,188	62,849
National Science Foundation	Direct	47.076	DRL-1450756	NATL SCIENCE FOUNDATION	190,583	-
National Science Foundation	Direct	47.076	1316908	NATL SCIENCE FOUNDATION	170,675	-
National Science Foundation	Direct	47.076	DRL-1502755	NATL SCIENCE FOUNDATION	170,482	24,093
National Science Foundation	Direct	47.076	1503211	NATL SCIENCE FOUNDATION	160,257	-
National Science Foundation	Direct	47.076	DRL-1417900	NATL SCIENCE FOUNDATION	150,759	-
National Science Foundation	Direct	47.076	DGE-1445583	NATL SCIENCE FOUNDATION	147,958	-
National Science Foundation	Direct	47.076	DUE-1432563	NATL SCIENCE FOUNDATION	146,569	-
National Science Foundation	Direct	47.076	DUE-1153778	NATL SCIENCE FOUNDATION	127,840	-
National Science Foundation	Direct	47.076	DRL-1252439	NATL SCIENCE FOUNDATION	124,521	3,973
National Science Foundation	Direct	47.076	DGE-1438739	NATL SCIENCE FOUNDATION	116,919	-

MICHIGAN STATE UNIVERSITY
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FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
National Science Foundation	Direct	47.076	DUE-1340048	NATL SCIENCE FOUNDATION	\$ 112,350	\$ -
National Science Foundation	Direct	47.076	DGE-0947896	NATL SCIENCE FOUNDATION	107,258	-
National Science Foundation	Direct	47.076	DRL-1253822	NATL SCIENCE FOUNDATION	105,640	-
National Science Foundation	Direct	47.076	DRL-1421214	NATL SCIENCE FOUNDATION	104,740	-
National Science Foundation	Direct	47.076	DRL-1347187	NATL SCIENCE FOUNDATION	98,775	19,850
National Science Foundation	Direct	47.076	DUE-1341987	NATL SCIENCE FOUNDATION	82,964	2,382
National Science Foundation	Direct	47.076	HRD-1305819	NATL SCIENCE FOUNDATION	69,900	-
National Science Foundation	Direct	47.076	DRL-1253036	NATL SCIENCE FOUNDATION	69,386	-
National Science Foundation	Direct	47.076	DUE-0817224	NATL SCIENCE FOUNDATION	68,039	41,622
National Science Foundation	Direct	47.076	DGE-0947896	NATL SCIENCE FOUNDATION	67,659	5,931
National Science Foundation	Direct	47.076	DRL-1461468	NATL SCIENCE FOUNDATION	57,160	-
National Science Foundation	Direct	47.076	DRL-0514431	NATL SCIENCE FOUNDATION	54,761	-
National Science Foundation	Direct	47.076	1440988	NATL SCIENCE FOUNDATION	49,525	-
National Science Foundation	Direct	47.076	DUE-1347740	NATL SCIENCE FOUNDATION	48,358	-
National Science Foundation	Direct	47.076	1504659	NATL SCIENCE FOUNDATION	45,309	-
National Science Foundation	Direct	47.076	1503277	NATL SCIENCE FOUNDATION	40,155	-
National Science Foundation	Direct	47.076	DUE-1245402	NATL SCIENCE FOUNDATION	38,696	-
National Science Foundation	Direct	47.076	16043-003	NATL SCIENCE FOUNDATION	38,200	-
National Science Foundation	Direct	47.076	DRL-1108833	NATL SCIENCE FOUNDATION	34,943	4,038
National Science Foundation	Direct	47.076	1524128	NATL SCIENCE FOUNDATION	30,410	-
National Science Foundation	Direct	47.076	DUE-1340048	NATL SCIENCE FOUNDATION	29,893	-
National Science Foundation	Direct	47.076	DRL-1109256	NATL SCIENCE FOUNDATION	29,282	-
National Science Foundation	Direct	47.076	DRL-1461833	NATL SCIENCE FOUNDATION	28,779	21,288
National Science Foundation	Direct	47.076	HRD 0930097	NATL SCIENCE FOUNDATION	28,595	21,723
National Science Foundation	Direct	47.076	64155-1	NATL SCIENCE FOUNDATION	28,147	-
National Science Foundation	Direct	47.076	DUE-1022754	NATL SCIENCE FOUNDATION	27,475	-
National Science Foundation	Direct	47.076	1503277	NATL SCIENCE FOUNDATION	26,782	-
National Science Foundation	Direct	47.076	DUE-1502552	NATL SCIENCE FOUNDATION	23,183	-
National Science Foundation	Direct	47.076	HRD-0930182	NATL SCIENCE FOUNDATION	22,169	-
National Science Foundation	Direct	47.076	DUE-1153778	NATL SCIENCE FOUNDATION	20,499	-
National Science Foundation	Direct	47.076	DUE-1420005	NATL SCIENCE FOUNDATION	18,304	7,543
National Science Foundation	Direct	47.076	DRL-1232388	NATL SCIENCE FOUNDATION	15,846	-
National Science Foundation	Direct	47.076	HRD 0930097	NATL SCIENCE FOUNDATION	15,845	-
National Science Foundation	Direct	47.076	DRL-1347187	NATL SCIENCE FOUNDATION	13,019	-
National Science Foundation	Direct	47.076	DUE-1431776	NATL SCIENCE FOUNDATION	11,379	-
National Science Foundation	Direct	47.076	DRL-0514431	NATL SCIENCE FOUNDATION	10,519	-
National Science Foundation	Direct	47.076	DUE-1432563	NATL SCIENCE FOUNDATION	8,949	-
National Science Foundation	Direct	47.076	DUE-1431725	NATL SCIENCE FOUNDATION	6,868	-
National Science Foundation	Direct	47.076	DRL-1255807	NATL SCIENCE FOUNDATION	6,525	-
National Science Foundation	Direct	47.076	16043-003	NATL SCIENCE FOUNDATION	5,748	-
National Science Foundation	Direct	47.076	DRL-1228034	NATL SCIENCE FOUNDATION	5,088	-
National Science Foundation	Direct	47.076	DRL-0910001	NATL SCIENCE FOUNDATION	3,698	-
National Science Foundation	Direct	47.076	DRL-1119327	NATL SCIENCE FOUNDATION	2,302	-
National Science Foundation	Direct	47.076	DRL-1119055	NATL SCIENCE FOUNDATION	2,279	-
National Science Foundation	Direct	47.076	HRD-1305819	NATL SCIENCE FOUNDATION	2,000	-
National Science Foundation	Direct	47.076	1504786	NATL SCIENCE FOUNDATION	1,996	-
National Science Foundation	Direct	47.076	DRL 0909745	NATL SCIENCE FOUNDATION	1,327	-
National Science Foundation	Direct	47.076	DGE-1535011	NATL SCIENCE FOUNDATION	932	-
National Science Foundation	Direct	47.076	DRL-1417900	NATL SCIENCE FOUNDATION	415	-
National Science Foundation	Direct	47.076	DUE 0757020	NATL SCIENCE FOUNDATION	114	-
National Science Foundation	Direct	47.076	DRL-0910278	NATL SCIENCE FOUNDATION	(494)	-
National Science Foundation	Direct	47.076	DBI 0110124	NATL SCIENCE FOUNDATION	(1,174)	-
National Science Foundation	Direct	47.076	DUE 0757020	NATL SCIENCE FOUNDATION	(2,041)	-
National Science Foundation	Direct	47.076	DUE-0335785	NATL SCIENCE FOUNDATION	(6,638)	-
National Science Foundation	Direct	47.079	OISE-1545684	NATL SCIENCE FOUNDATION	255,638	-
National Science Foundation	Direct	47.079	IIA-1358110	NATL SCIENCE FOUNDATION	38,185	-
National Science Foundation	Direct	47.079	IIA-1358110	NATL SCIENCE FOUNDATION	25,027	-
National Science Foundation	Direct	47.079	1443920	NATL SCIENCE FOUNDATION	16,478	-
National Science Foundation	Direct	47.079	OISE-1545684	NATL SCIENCE FOUNDATION	12,413	-
National Science Foundation	Direct	47.079	IIA-1341088	NATL SCIENCE FOUNDATION	9,791	-
National Science Foundation	Direct	47.079	OISE - 1064641	NATL SCIENCE FOUNDATION	1,986	-
National Science Foundation	Direct	47.079	1443920	NATL SCIENCE FOUNDATION	(6,251)	-
National Science Foundation	Direct	47.080	OCI-1231154	NATL SCIENCE FOUNDATION	171,532	-
National Science Foundation	Direct	47.080	OIA-1125163	NATL SCIENCE FOUNDATION	77,730	-
National Science Foundation	Direct	47.080	IIA-1260768	NATL SCIENCE FOUNDATION	27,758	-
National Science Foundation	Direct	47.080	IIA-1260768	NATL SCIENCE FOUNDATION	13,766	-
National Science Foundation	Direct	47.082	DMS 0846325	ARRA - NATL SCIENCE FOUNDATION	28,173	-
	Direct Total				72,180,556	7,325,509
National Science Foundation	Pass-through	47	52-000117	SRI INTERNATL	42,421	-
National Science Foundation	Pass-through	47	AERA Grant Program	AMER EDUCATIONAL RESEARCH ASSO	1	-
National Science Foundation	Pass-through	47	11-1608-MSU	WEST VIRGINIA UNIVERSITY	(3,184)	-
National Science Foundation	Pass-through	47.041	5218-MSU-NSF-5092	PENNSYLVANIA STATE UNIVERSITY	83,746	-
National Science Foundation	Pass-through	47.041	4101-71104	PURDUE UNIV	53,066	-
National Science Foundation	Pass-through	47.041	1431010	UBIQUITOUS ENERGY, INC.	45,765	-
National Science Foundation	Pass-through	47.041	R01803	FLORIDA STATE UNIVERSITY	42,742	-
National Science Foundation	Pass-through	47.041	3003795364	UNIV OF MICHIGAN	5,956	-
National Science Foundation	Pass-through	47.041	11-160-MSU-2	WEST VIRGINIA UNIVERSITY	4,653	-
National Science Foundation	Pass-through	47.041	501826P1002787	NORTHEASTERN UNIV	(9)	-
National Science Foundation	Pass-through	47.041	IIP-1417044-MSU	PIEZONIX, LLC	(10,937)	-
National Science Foundation	Pass-through	47.049	68790	STATE UNIVERSITY OF NEW YORK	395,351	-
National Science Foundation	Pass-through	47.049	3002333711	UNIV OF MICHIGAN	207,193	-
National Science Foundation	Pass-through	47.049	GG006141	COLUMBIA UNIVERSITY	181,185	-
National Science Foundation	Pass-through	47.049	GG006141	COLUMBIA UNIVERSITY	123,019	-
National Science Foundation	Pass-through	47.049	F-2015-76	TOLEDO UNIVERSITY OF	84,317	-
National Science Foundation	Pass-through	47.049	201387	NOTRE DAME UNIVERSITY OF	25,361	-
National Science Foundation	Pass-through	47.049	5021-MSU-NSF-5403	PENNSYLVANIA STATE UNIVERSITY	20,435	-
National Science Foundation	Pass-through	47.049	10030626	UTAH UNIVERSITY OF	17,235	-
National Science Foundation	Pass-through	47.049	201387	NOTRE DAME UNIVERSITY OF	12,439	-
National Science Foundation	Pass-through	47.049	201387	NOTRE DAME UNIVERSITY OF	(18,761)	-
National Science Foundation	Pass-through	47.050	15-2904	SOUTH CAROLINA - UNIVERSITY OF	40,537	-
National Science Foundation	Pass-through	47.050	SP0024578-PROJ0006670	NORTHWESTERN UNIVERSITY	26,509	-
National Science Foundation	Pass-through	47.050	24 (GG009393)	COLUMBIA UNIVERSITY	9,490	-
National Science Foundation	Pass-through	47.050	24(GG009393-01)	COLUMBIA UNIVERSITY	4,955	-
National Science Foundation	Pass-through	47.050	54021098	SOUTHERN CALIFORNIA UNIV OF	4,246	-
National Science Foundation	Pass-through	47.070	3003646555	UNIV OF MICHIGAN	102,764	-
National Science Foundation	Pass-through	47.074	1002973-01	NORTHERN ARIZONA UNIV	283,231	-
National Science Foundation	Pass-through	47.074	10022513-01	UTAH UNIVERSITY OF	179,434	-
National Science Foundation	Pass-through	47.074	10022513-01	UTAH UNIVERSITY OF	174,558	-
National Science Foundation	Pass-through	47.074	10022513-01	UTAH UNIVERSITY OF	132,254	-
National Science Foundation	Pass-through	47.074	10022513-01	UTAH UNIVERSITY OF	114,320	-
National Science Foundation	Pass-through	47.074	UAF 13-0043	ALASKA UNIVERSITY OF	65,010	-
National Science Foundation	Pass-through	47.074	UFDSPO001070	FLORIDA UNIV OF	62,941	-
National Science Foundation	Pass-through	47.074	7793-MSU	WESTERN MICHIGAN UNIVERSITY	50,132	-
National Science Foundation	Pass-through	47.074	2015-984-001	SAMUEL ROBERTS NOBLE FOUNDATIO	18,941	-
National Science Foundation	Pass-through	47.074	RSC14014	DAYTON UNIVERSITY OF	16,289	-
National Science Foundation	Pass-through	47.074	202236	NOTRE DAME UNIVERSITY OF	11,049	-
National Science Foundation	Pass-through	47.074	40C42C	HUNTER COLLEGE	10,380	-
National Science Foundation	Pass-through	47.074	T463996	EMORY UNIVERSITY	9,948	-
National Science Foundation	Pass-through	47.074	553K641	BD OF REGENTS OF THE UNIV WISC	8,950	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
National Science Foundation	Pass-through	47.074	7793-MSU	WESTERN MICHIGAN UNIVERSITY	\$ 3,938	\$ -
National Science Foundation	Pass-through	47.074	420-66-08B	IOWA STATE UNIVERSITY	3,919	-
National Science Foundation	Pass-through	47.074	1457323MSU	ALMA COLLEGE	3,221	-
National Science Foundation	Pass-through	47.074	4101-68711	PURDUE UNIV	1,726	-
National Science Foundation	Pass-through	47.074	NESCent Sabbatical Scholar Stipend	DUKE UNIVERSITY	(1,942)	-
National Science Foundation	Pass-through	47.074	10-00048	NEW YORK UNIVERSITY SCHOOL OF	(10,415)	-
National Science Foundation	Pass-through	47.075	129152	ARIZONA UNIVERSITY OF	58,494	-
National Science Foundation	Pass-through	47.075	561958	PENNSYLVANIA UNIVERSITY OF	3,153	-
National Science Foundation	Pass-through	47.076	488K806	BD OF REGENTS OF THE UNIV WISC	104,516	-
National Science Foundation	Pass-through	47.076	415908-G	ROCHESTER UNIV OF	67,778	-
National Science Foundation	Pass-through	47.076	4101-65235	PURDUE UNIV	51,858	-
National Science Foundation	Pass-through	47.076	3001714504	UNIV OF MICHIGAN	45,828	-
National Science Foundation	Pass-through	47.076	490K840	BD OF REGENTS OF THE UNIV WISC	45,593	-
National Science Foundation	Pass-through	47.076	GA11161 150025	VIRGINIA UNIV OF	34,340	-
National Science Foundation	Pass-through	47.076	11052-007	MISSOURI STATE UNIVERSITY	33,977	-
National Science Foundation	Pass-through	47.076	22512-S1	VANDERBILT UNIVERSITY	29,302	-
National Science Foundation	Pass-through	47.076	418K670	WISCONSIN UNIV OF	27,835	-
National Science Foundation	Pass-through	47.076	Z4625001	MARYLAND UNIV OF	18,471	-
National Science Foundation	Pass-through	47.076	SC37058A-04-02	DENVER UNIV OF	11,484	-
National Science Foundation	Pass-through	47.076	25-6238-0666-003	NEBRASKA UNIVERSITY OF	11,317	-
National Science Foundation	Pass-through	47.076	415612-G	ROCHESTER UNIV OF	11,227	-
National Science Foundation	Pass-through	47.076	5727.02 MSU	NATL OPINION RESEARCH CENTER	9,854	-
National Science Foundation	Pass-through	47.076	SP0009801-PROJ0002727	NORTHWESTERN UNIVERSITY	9,540	-
National Science Foundation	Pass-through	47.076	3003620154	UNIV OF MICHIGAN	5,212	-
National Science Foundation	Pass-through	47.076	G-3062-2	COLORADO STATE UNIV	3,092	-
National Science Foundation	Pass-through	47.076	DUE-1256221-002	ASSOCIATION AMER UNIVERSITIES	1,888	-
National Science Foundation	Pass-through	47.076	G-3062-2	COLORADO STATE UNIV	1,090	-
National Science Foundation	Pass-through	47.076	G-3062-2/9680	COLORADO STATE UNIV	473	-
National Science Foundation	Pass-through	47.076	11052-007	MISSOURI STATE UNIVERSITY	404	-
National Science Foundation	Pass-through	47.076	11052-007	MISSOURI STATE UNIVERSITY	222	-
National Science Foundation	Pass-through	47.076	11052-007	MISSOURI STATE UNIVERSITY	39	-
National Science Foundation	Pass-through	47.076	11052-007	MISSOURI STATE UNIVERSITY	(59)	-
National Science Foundation	Pass-through	47.076	11052-007	MISSOURI STATE UNIVERSITY	(86)	-
National Science Foundation	Pass-through	47.076	C00001550-3, Amd 6	MISSOURI UNIVERSITY OF	(394)	-
National Science Foundation	Pass-through	47.078	583K962	BD OF REGENTS OF THE UNIV WISC	21,871	-
National Science Foundation	Pass-through	47.079	OISE-1243433	DUKE UNIVERSITY	353,755	-
National Science Foundation	Pass-through	47.079	111009Z1	MICH TECHNOLOGICAL UNIVERSITY	74,838	-
	Pass-through Total				<u>3,675,291</u>	<u>-</u>
National Science Foundation Total					<u>75,855,847</u>	<u>7,325,509</u>
State	Direct	19	SAQMMMA15M2452	STATE US DEPARTMENT OF	11,186	-
	Direct Total				<u>11,186</u>	<u>-</u>
State	Pass-through	19.017	S-LMAQM-11-GR-1015-MSU-01-15	GOVERNORS' CLIMATE & FORESTS F	148,807	40,396
	Pass-through Total				<u>148,807</u>	<u>40,396</u>
State Total					<u>159,993</u>	<u>40,396</u>
Transportation	Direct	20	DTFH61-13-C-00023	FEDERAL HIGHWAY ADMINISTRATION	128,379	62,091
Transportation	Direct	20.200	DTFH61-3-H-00009	FEDERAL HIGHWAY ADMINISTRATION	119,697	53,039
Transportation	Direct	20.200	DTFH61-13-C-00015	TRANSPORTATION US DEPT OF	78,776	-
Transportation	Direct	20.701	DTRT13-G-UTC44	TRANSPORTATION US DEPT OF	673,938	440,371
Transportation	Direct	20.701	DTRT13-G-UTC44	TRANSPORTATION US DEPT OF	54,791	-
Transportation	Direct	20.701	DTRT13-G-UTC44	TRANSPORTATION US DEPT OF	38,710	-
	Direct Total				<u>1,094,291</u>	<u>555,501</u>
Transportation	Pass-through	20	HR 10-82A	NATL ACADEMY OF SCIENCES	218,827	69,794
Transportation	Pass-through	20	201401725-03	REGENTS OF THE UNIVERSITY OF C	161,358	-
Transportation	Pass-through	20	2013-0066 Z6	MICHIGAN DEPARTMENT OF TRANSPO	123,848	51,453
Transportation	Pass-through	20.724	FY16.675.001	REGENTS OF UNIV OF COLORADO	6,384	-
	Pass-through Total				<u>510,417</u>	<u>121,247</u>
Transportation Total					<u>1,604,708</u>	<u>676,748</u>
USAID	Direct	98.001	AID-OAA-L-13-00001	AGENCY FOR INTERNATL DEVELOPME	2,837,514	1,260,043
USAID	Direct	98.001	AID-482-LA-14-00003	AGENCY FOR INTERNATL DEVELOPME	1,470,632	695,679
USAID	Direct	98.001	AID-EDH-A-00-07-00005	AGENCY FOR INTERNATL DEVELOPME	1,221,997	-
USAID	Direct	98.001	AID-EDH-A-00-07-00005	AGENCY FOR INTERNATL DEVELOPME	1,142,952	1,142,952
USAID	Direct	98.001	AID-620-LA-15-00001	AGENCY FOR INTERNATL DEVELOPME	969,763	836,882
USAID	Direct	98.001	AID-OAA-LA-14-00005	AGENCY FOR INTERNATL DEVELOPME	769,698	416,477
USAID	Direct	98.001	AID-EDH-A-00-07-00005-00	AGENCY FOR INTERNATL DEVELOPME	765,069	755,644
USAID	Direct	98.001	AID-612-LA-15-00001	AGENCY FOR INTERNATL DEVELOPME	732,113	418,314
USAID	Direct	98.001	AID-656-LA-12-00002	AGENCY FOR INTERNATL DEVELOPME	569,311	-
USAID	Direct	98.001	611-A-00-11-00001-00	AGENCY FOR INTERNATL DEVELOPME	566,473	25,284
USAID	Direct	98.001	AID-EDH-A-00-07-00005-00	AGENCY FOR INTERNATL DEVELOPME	503,890	503,890
USAID	Direct	98.001	AID-OAA-LA-15-00006	AGENCY FOR INTERNATL DEVELOPME	495,720	219,000
USAID	Direct	98.001	AID-OAA-L-13-00001	AGENCY FOR INTERNATL DEVELOPME	470,900	30,743
USAID	Direct	98.001	AID-EDH-A-00-07-00005	AGENCY FOR INTERNATL DEVELOPME	466,043	238,136
USAID	Direct	98.001	RLA-G-00-04-00062	AGENCY FOR INTERNATL DEVELOPME	413,059	107,480
USAID	Direct	98.001	AID-EDH-A-00-07-00005-00	AGENCY FOR INTERNATL DEVELOPME	388,896	388,757
USAID	Direct	98.001	AID-EDH-A-00-07-00005-00	AGENCY FOR INTERNATL DEVELOPME	365,723	365,723
USAID	Direct	98.001	AID-685-LA-15-00001	AGENCY FOR INTERNATL DEVELOPME	361,430	206,022
USAID	Direct	98.001	AID-442-LA-12-00001	AGENCY FOR INTERNATL DEVELOPME	355,884	47,042
USAID	Direct	98.001	AID-OAA-A-15-00056	AGENCY FOR INTERNATL DEVELOPME	328,570	-
USAID	Direct	98.001	AID-OAA-L-13-00001	AGENCY FOR INTERNATL DEVELOPME	282,628	-
USAID	Direct	98.001	AID-EDH-A-00-07-00005	AGENCY FOR INTERNATL DEVELOPME	246,304	58,182
USAID	Direct	98.001	AID-EDH-A-00-07-00005-00	AGENCY FOR INTERNATL DEVELOPME	194,264	194,264
USAID	Direct	98.001	AID-EDH-A-00-07-00005	AGENCY FOR INTERNATL DEVELOPME	191,959	191,959
USAID	Direct	98.001	AID-688-A-16-00001	AGENCY FOR INTERNATL DEVELOPME	167,790	-
USAID	Direct	98.001	AID-EDH-A-00-07-00005	AGENCY FOR INTERNATL DEVELOPME	138,607	-
USAID	Direct	98.001	AID-OAA-L-13-00001	AGENCY FOR INTERNATL DEVELOPME	99,730	-
USAID	Direct	98.001	AID-OAA-L-13-00001	AGENCY FOR INTERNATL DEVELOPME	81,875	-
USAID	Direct	98.001	AID-EDH-A-00-07-00005	AGENCY FOR INTERNATL DEVELOPME	40,819	37,345
USAID	Direct	98.001	AID-EDH-A-00-07-00005-00	AGENCY FOR INTERNATL DEVELOPME	30,024	30,024
USAID	Direct	98.001	AID-OAA-L-13-00001	AGENCY FOR INTERNATL DEVELOPME	16,504	-
USAID	Direct	98.001	STRIDE	AGENCY FOR INTERNATL DEVELOPME	12,222	-
USAID	Direct	98.001	AID-656-A-00-04-00058	AGENCY FOR INTERNATL DEVELOPME	(8,063)	-
USAID	Direct	98.001	386-A-00-08-00096-00	AGENCY FOR INTERNATL DEVELOPME	(73,441)	-
	Direct Total				<u>16,616,859</u>	<u>8,168,842</u>
USAID	Pass-through	98	C-044-16	CGIAR CONSORTIUM	280	-
USAID	Pass-through	98.001	App 120588	EGERTON UNIVERSITY NAIROBI KEN	657,478	-
USAID	Pass-through	98.001	Prime AID-BFS-G11-00002	INTL INST FOR TROPICAL AGRICUL	567,984	189,165
USAID	Pass-through	98.001	201121454-08	CALIFORNIA UNIVERSITY OF - DAV	481,337	349,983
USAID	Pass-through	98.001	ARD-MSU-1072-1201	TETRA TECH INC.	324,872	-
USAID	Pass-through	98.001	1856-000	TETRA TECH INC.	296,110	-
USAID	Pass-through	98.001	1001244-10S-15295-00	DEVELOPMENT ALTERNATIVES INC	286,572	-
USAID	Pass-through	98.001	C-046-14	CIAT	130,278	52,987
USAID	Pass-through	98.001	UFDSP00010598	FLORIDA UNIV OF	126,482	-
USAID	Pass-through	98.001	P225-2010-05-00	COOPERATIVE LEAGUE OF THE USA	110,714	-
USAID	Pass-through	98.001	S15218	KANSAS STATE UNIVERSITY	100,920	-
USAID	Pass-through	98.001	2015-06391-01	ILLINOIS URBANA CHAMPAIGN UNIV	61,891	17,079
USAID	Pass-through	98.001	C-085-11	CIAT	40,355	21,258
USAID	Pass-through	98.001	MTO 069018	INTL INST FOR TROPICAL AGRICUL	40,118	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Research and Development Cluster (Continued):						
USAID	Pass-through	98.001	8000062955	PURDUE UNIV	\$ 25,174	\$ -
USAID	Pass-through	98.001	S16058	KANSAS STATE UNIVERSITY	24,641	-
USAID	Pass-through	98.001	G-9650-29	COLORADO STATE UNIV	18,713	9,301
USAID	Pass-through	98.001	1(GG008516)	COLUMBIA UNIVERSITY	18,205	-
USAID	Pass-through	98.001	Sub No. 8000062953 Grant No. 206766	PURDUE UNIV	10,187	-
USAID	Pass-through	98.001	451198-19057	VIRGINIA POLYTECHNIC INST	6,561	-
USAID	Pass-through	98.001	PGA-2000003665	NATL ACADEMY OF SCIENCES	5,972	-
USAID	Pass-through	98.001	S16058	KANSAS STATE UNIVERSITY	4,707	-
USAID	Pass-through	98.001	PQM-15-011	US PHARMACOPEIAL CONVENTION	3,521	-
USAID	Pass-through	98.001	8000072696	PURDUE UNIV	1,930	-
USAID	Pass-through	98.001	1001244-10S-15295-00	DEVELOPMENT ALTERNATIVES INC	726	-
USAID	Pass-through	98.001	IITA - AID-BFS-G-11-00002	INTL INST FOR TROPICAL AGRICUL	(3,073)	(3,073)
USAID	Pass-through	98.001	7000-IQC-Michigan State University	INTL RESOURCES GROUP	(12,010)	-
	Pass-through Total				<u>3,330,645</u>	<u>636,700</u>
USAID Total					<u>19,947,504</u>	<u>8,805,542</u>
TOTAL RESEARCH AND DEVELOPMENT CLUSTER					387,959,763	42,623,578
Student Financial Assistance Programs Cluster:						
Education	Direct	84.007	P007A142046	FE EDUCATION U.S. DEPT OF	1,168,088	-
Education	Direct	84.007	P379T160233	FE EDUCATION U.S. DEPT OF	127,827	-
Education	Direct	84.007	P007A132046	FE EDUCATION U.S. DEPT OF	80	-
Education	Direct	84.007	P007A102046	FE EDUCATION U.S. DEPT OF	11	-
Education	Direct	84.007	P379T150233	FE EDUCATION U.S. DEPT OF	(2)	-
Education	Direct	84.033	P033A102045	FI EDUCATION U.S. DEPT OF	2,381,729	-
Education	Direct	84.033	P033A102045	FI EDUCATION U.S. DEPT OF	78,496	-
Education	Direct	84.033	P033A102045	FI EDUCATION U.S. DEPT OF	49,022	-
Education	Direct	84.033	P033A102045	FI EDUCATION U.S. DEPT OF	18,312	-
Education	Direct	84.033	P033A102045	FI EDUCATION U.S. DEPT OF	(1,188)	-
Education	Direct	84.038	VARIOUS PERKINS	PE EDUCATION U.S. DEPT OF	43,099,420	-
Education	Direct	84.063	P063P150233	PE EDUCATION U.S. DEPT OF	39,179,277	-
Education	Direct	84.063	P063P140233	PE EDUCATION U.S. DEPT OF	1,759	-
Education	Direct	84.268	FED DIRECT LOAN PROG-98 AID YR	DI EDUCATION U.S. DEPT OF	365,655,763	-
Education	Direct	84.268	FEDERAL DIRECT STUDENT LOAN PROGRAM	DI EDUCATION U.S. DEPT OF	2,469,714	-
Education	Direct	84.268	FEDERAL DIRECT STUDENT LOAN PROGRAM	DI EDUCATION U.S. DEPT OF	(86,002)	-
	Direct Total				<u>454,142,306</u>	<u>-</u>
Education Total					<u>454,142,306</u>	<u>-</u>
Health and Human Services	Direct	93.264	VARIOUS - NURSING FACULTY PROG STUDENT LOANS	HEALTH AND HUMAN SERVICES	241,992	-
Health and Human Services	Direct	93.342	VARIOUS - HEALTH PROFESSIONAL STUDENT LOANS	HEALTH AND HUMAN SERVICES	10,376,089	-
Health and Human Services	Direct	93.364	VARIOUS - NURSING PROFESSION STUDENT LOANS	HEALTH AND HUMAN SERVICES	4,089	-
	Direct Total				<u>10,622,170</u>	<u>-</u>
Health and Human Services Total					<u>10,622,170</u>	<u>-</u>
TOTAL STUDENT FINANCIAL ASSISTANCE PROGRAMS CLUSTER					464,764,476	-
Economic Development Cluster:						
Commerce	Direct	11.300	FOOD PROCESSING & INNOVATION CENTER-EDA	COMMERCE US DEPT OF	(24,980)	-
	Direct Total				<u>(24,980)</u>	<u>-</u>
Commerce	Pass-through	11.307	06-06-06011	ECONOMIC DEVELOPMENT ADMINISTR	44,627	-
	Pass-through Total				<u>44,627</u>	<u>-</u>
Commerce Total					<u>19,647</u>	<u>-</u>
TOTAL ECONOMIC DEVELOPMENT CLUSTER					19,647	-
Fish and Wildlife Cluster:						
Interior	Pass-through	15.611	15-28	SOUTHERN ILLINOIS UNIVERSITY	247	-
	Pass-through Total				<u>247</u>	<u>-</u>
Interior Total					<u>247</u>	<u>-</u>
TOTAL FISH AND WILDLIFE CLUSTER					247	-
Highway Planning and Construction Cluster:						
Transportation	Pass-through	20.205	116005	MICHIGAN FITNESS FOUNDATION	37,581	-
	Pass-through Total				<u>37,581</u>	<u>-</u>
Transportation Total					<u>37,581</u>	<u>-</u>
TOTAL HIGHWAY PLANNING AND CONSTRUCTION CLUSTER					37,581	-
Highway Safety Cluster:						
Transportation	Pass-through	20.600	OP-16-03	MI OFFICE OF HIGHWAY SAFETY PL	28,536	-
	Pass-through Total				<u>28,536</u>	<u>-</u>
Transportation Total					<u>28,536</u>	<u>-</u>
TOTAL HIGHWAY SAFETY CLUSTER					28,536	-
Medicaid Cluster:						
Health and Human Services	Pass-through	93.778	20160903-00 Attachment Y	MI COMMUNITY HEALTH	558,141	-
Health and Human Services	Pass-through	93.778	20160895-00 Attachment P	MI COMMUNITY HEALTH	394,854	-
Health and Human Services	Pass-through	93.778	20151533-001 Attachment U	MI COMMUNITY HEALTH	162,039	-
Health and Human Services	Pass-through	93.778	20160894-00 Attachment O	MICH DEPT OF HEALTH & HUMAN SERVICES	75,004	-
Health and Human Services	Pass-through	93.778	20160884-00 Attachment G	MICH DEPT OF HEALTH & HUMAN SERVICES	58,431	-
Health and Human Services	Pass-through	93.778	20160905-00 Attachment AA	MI COMMUNITY HEALTH	45,779	-
Health and Human Services	Pass-through	93.778	20152708-00 Attachment AL	MI COMMUNITY HEALTH	39,579	21,205
Health and Human Services	Pass-through	93.778	20160893-00 Attachment N	MICH DEPT OF HEALTH & HUMAN SERVICES	35,685	-
Health and Human Services	Pass-through	93.778	20160906-00 Attachment AB	MICH DEPT OF HEALTH & HUMAN SERVICES	29,802	-
Health and Human Services	Pass-through	93.778	20152709-001 Attachment AM	MI COMMUNITY HEALTH	24,711	-
Health and Human Services	Pass-through	93.778	20151525-00 Attachment L	MI COMMUNITY HEALTH	18,639	-
Health and Human Services	Pass-through	93.778	20151548-00 Attachment AG	MI COMMUNITY HEALTH	14,158	-
Health and Human Services	Pass-through	93.778	20151537-00 Attachment S	MI COMMUNITY HEALTH	13,546	-
Health and Human Services	Pass-through	93.778	20151527-00 Attachment H	MI COMMUNITY HEALTH	10,173	-
Health and Human Services	Pass-through	93.778	20151539-00 Attachment AH	MI COMMUNITY HEALTH	9,520	-
Health and Human Services	Pass-through	93.778	20151544-001 Attachment M	MI COMMUNITY HEALTH	4,719	-
Health and Human Services	Pass-through	93.778	20161751-001 Attachment AK	MI COMMUNITY HEALTH	-	-
Health and Human Services	Pass-through	93.778	20151543-00 Attachment AD	MI COMMUNITY HEALTH	(6,133)	-
Health and Human Services	Pass-through	93.994	20151527-00 Attachment H	MI COMMUNITY HEALTH	5,633	-
	Pass-through Total				<u>1,494,280</u>	<u>21,205</u>
Health and Human Services Total					<u>1,494,280</u>	<u>21,205</u>
TOTAL MEDICAID CLUSTER					1,494,280	21,205
SNAP Cluster:						
Agriculture	Pass-through	10.561	ADMIN-15-99010	MI DEPT OF HUMAN SERVICES	4,808,492	-
Agriculture	Pass-through	10.561	ADMIN-16-99010	MI DEPT OF HUMAN SERVICES	4,418,184	-
Agriculture	Pass-through	10.561	ADMIN-14-99010	MI DEPT OF HUMAN SERVICES	106,259	-
Agriculture	Pass-through	10.561	ADMIN-13-99010	MI DEPT OF HUMAN SERVICES	16,428	-
Agriculture	Pass-through	10.561	CrimFit Youth Program	CRIM FITNESS FOUNDATION	11,000	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
SNAP Cluster (Continued):						
Agriculture	Pass-through	10.561	CrimFit APP149222	CRIM FITNESS FOUNDATION	\$ 7,759	\$ -
	Pass-through Total				<u>9,368,122</u>	<u>-</u>
Agriculture Total					<u>9,368,122</u>	<u>-</u>
TOTAL SNAP CLUSTER					9,368,122	-
TRIO Cluster:						
Education	Direct	84.042	P042A150804	EDUCATION U.S. DEPT OF	314,494	-
Education	Direct	84.042	P042A101489	EDUCATION U.S. DEPT OF	135,990	-
Education	Direct	84.044	P044A110782 - 15	EDUCATION U.S. DEPT OF	236,828	-
Education	Direct	84.047	P047A120896 - 16	EDUCATION U.S. DEPT OF	445,448	-
	Direct Total				<u>1,132,760</u>	<u>-</u>
Education Total					<u>1,132,760</u>	<u>-</u>
TOTAL TRIO CLUSTER					1,132,760	-
Other Federal Awards:						
Agriculture	Direct	10	14-PA-11090400-024	USDA - FOREST SERVICE	28,455	-
Agriculture	Direct	10	AG-31ME-P-11-014	US DEPT AGRICULTURE	5,465	-
Agriculture	Direct	10	16-CS-11090400-038	USDA - FOREST SERVICE	201	-
Agriculture	Direct	10.001	58-5050-5-009	USDA-AGRICULTURAL RESEARCH SERVICE	11,841	-
Agriculture	Direct	10.001	58-3635-4-012	USDA-AGRICULTURAL RESEARCH SERVICE	8,329	-
Agriculture	Direct	10.001	12-25A-5641	USDA - AGRI MARKETING SERV US	7,525	-
Agriculture	Direct	10.001	USDA 45-5484-8-0019	USDA - FOREST SERVICE	4,386	-
Agriculture	Direct	10.001	AG-31ME-C-15-0025	USDA - RURAL BUS COOP SER	1,898	-
Agriculture	Direct	10.001	USDA GENERAL - PO AG-5588-P-14-0006	USDA - FOREST SERVICE	1,803	-
Agriculture	Direct	10.170	58-0510-4-033 N	USDA - FARM SER AGENCY	4,018	-
Agriculture	Direct	10.200	2014-39573-21896	USDA - NATIONAL INSTITUTE OF F	17,006	-
Agriculture	Direct	10.210	2012-38420-30199	USDA - NATIONAL INSTITUTE OF F	63,485	-
Agriculture	Direct	10.210	2014-38420-21803	USDA - NATIONAL INSTITUTE OF F	35,836	-
Agriculture	Direct	10.210	2015-38420-23697	USDA - NATIONAL INSTITUTE OF F	22,902	-
Agriculture	Direct	10.217	2014-70003-22363	USDA - NATIONAL INSTITUTE OF F	52,800	20,892
Agriculture	Direct	10.310	2011-68001-23407	USDA - NATIONAL INSTITUTE OF F	1,181,362	778,380
Agriculture	Direct	10.310	2015-67011-23012	USDA - NATIONAL INSTITUTE OF F	57,208	-
Agriculture	Direct	10.310	2016-67011-24701	USDA - NATIONAL INSTITUTE OF F	39,523	-
Agriculture	Direct	10.329	2014-70006-22498	USDA - NATIONAL INSTITUTE OF F	252,081	-
Agriculture	Direct	10.500	EFNEP-EXT	USDA - AGRICULTURE U.S. DEPT.	2,328,161	-
Agriculture	Direct	10.500	SMITH LEVER-FRINGS	USDA - AGRICULTURE U.S. DEPT.	2,049,385	-
Agriculture	Direct	10.500	S-L SAL EXT	USDA - AGRICULTURE U.S. DEPT.	1,806,102	-
Agriculture	Direct	10.500	S-L SAL EXT	USDA - AGRICULTURE U.S. DEPT.	1,361,947	-
Agriculture	Direct	10.500	S-L SAL EXT	USDA - AGRICULTURE U.S. DEPT.	1,352,722	-
Agriculture	Direct	10.500	MSUE DIRECTOR	USDA - AGRICULTURE U.S. DEPT.	787,630	-
Agriculture	Direct	10.500	S-L SAL EXT	USDA - AGRICULTURE U.S. DEPT.	721,995	-
Agriculture	Direct	10.500	2015-41595-24254	USDA - NATIONAL INSTITUTE OF F	375,934	315,663
Agriculture	Direct	10.500	2014-41590-22327	USDA - NATIONAL INSTITUTE OF F	158,007	74,247
Agriculture	Direct	10.500	S-L PROJ MULTISTATE	USDA - AGRICULTURE U.S. DEPT.	136,527	-
Agriculture	Direct	10.500	2013-41520-20939	USDA - NATIONAL INSTITUTE OF F	118,322	-
Agriculture	Direct	10.500	2014-48778-22647	USDA - NATIONAL INSTITUTE OF F	110,839	-
Agriculture	Direct	10.500	S-L OPER EXT	USDA - AGRICULTURE U.S. DEPT.	110,309	-
Agriculture	Direct	10.500	2013-41580-20792	USDA - NATIONAL INSTITUTE OF F	98,928	-
Agriculture	Direct	10.500	S-L Summer	USDA - AGRICULTURE U.S. DEPT.	96,285	-
Agriculture	Direct	10.500	S-L PRJ LOVERIDGE	USDA - AGRICULTURE U.S. DEPT.	92,976	3,175
Agriculture	Direct	10.500	S-L SAL EXT	USDA - AGRICULTURE U.S. DEPT.	80,543	-
Agriculture	Direct	10.500	RENEW RESOURCES	USDA - AGRICULTURE U.S. DEPT.	60,843	-
Agriculture	Direct	10.500	S-L OPER EXT	USDA - AGRICULTURE U.S. DEPT.	51,799	-
Agriculture	Direct	10.500	ANR TECH SERV	USDA - AGRICULTURE U.S. DEPT.	51,640	-
Agriculture	Direct	10.500	SMITH-LEVER	USDA - AGRICULTURE U.S. DEPT.	50,889	-
Agriculture	Direct	10.500	S-L OPER EXT	USDA - AGRICULTURE U.S. DEPT.	41,131	-
Agriculture	Direct	10.500	2014-46100-22366	USDA - NATIONAL INSTITUTE OF F	17,344	-
Agriculture	Direct	10.500	S-L OPER EXT	USDA - AGRICULTURE U.S. DEPT.	15,974	-
Agriculture	Direct	10.500	S-L SCP WORKGROUP	USDA - AGRICULTURE U.S. DEPT.	14,304	-
Agriculture	Direct	10.500	S-L EDUCATOR	USDA - AGRICULTURE U.S. DEPT.	11,660	-
Agriculture	Direct	10.500	S-L CFS WORKGROUP	USDA - AGRICULTURE U.S. DEPT.	8,107	-
Agriculture	Direct	10.500	S-L GGP WORKGROUP	USDA - AGRICULTURE U.S. DEPT.	5,811	-
Agriculture	Direct	10.500	S-L NAT RES	USDA - AGRICULTURE U.S. DEPT.	5,201	-
Agriculture	Direct	10.500	S-L OPER EXT	USDA - AGRICULTURE U.S. DEPT.	4,156	-
Agriculture	Direct	10.500	S-L MAIL MSUE	USDA - AGRICULTURE U.S. DEPT.	83	-
Agriculture	Direct	10.500	FEDERAL RETIREMENT	USDA - AGRICULTURE U.S. DEPT.	(97,412)	-
Agriculture	Direct	10.614	SE-CR-15-001-01	USDA - FOREIGN AG SER	20,725	-
Agriculture	Direct	10.614	SE-CR-16-002	USDA - FOREIGN AG SER	2,650	-
Agriculture	Direct	10.771	26-033-030879893	USDA - RURAL BUS COOP SER	65,838	-
Agriculture	Direct	10.777	BF-CR-15-002	USDA - FOREIGN AG SER	35,853	-
Agriculture	Direct	10.777	BF-CR-14-019	USDA - FOREIGN AG SER	16,895	-
Agriculture	Direct	10.777	BF-CR-14-020	USDA - FOREIGN AG SER	16	-
Agriculture	Direct	10.868	26-033-030879893	USDA - RURAL BUS COOP SER	70,249	-
Agriculture	Direct	10.868	26-033-030879893	USDA - RURAL BUS COOP SER	2,100	-
Agriculture	Direct	10.903	68-7482-15-503	USDA - NATURAL RESOURCES COUNSEL	6,072	-
Agriculture	Direct	10.903	68-7482-13-516	USDA - NATURAL RESOURCES COUNSEL	4,488	-
Agriculture	Direct	10.903	68-7482-15-540	USDA - NATURAL RESOURCES COUNSEL	2,816	-
Agriculture	Direct	10.924	68-5D21-15-22	USDA - NATURAL RESOURCES COUNSEL	71,608	-
Agriculture	Direct	10.960	TA-CR-15-039	USDA - FOREIGN AG SER	102,736	-
Agriculture	Direct	10.962	CO-CR-15-026	USDA - FOREIGN AG SER	54,661	-
Agriculture	Direct	10.962	CO-CR-15-021	USDA - FOREIGN AG SER	45,041	-
Agriculture	Direct	10.962	CO-CR-15-042	USDA - FOREIGN AG SER	37,015	-
Agriculture	Direct	10.962	CO-CR-16-017	USDA - FOREIGN AG SER	30,791	-
Agriculture	Direct	10.962	58-3148-0-109	USDA - FOREIGN AG SER	(11,523)	-
	Direct Total				<u>14,382,297</u>	<u>1,192,357</u>
Agriculture	Pass-through	10.001	018000.340753.13	MISSISSIPPI STATE UNIVERSITY	39,158	-
Agriculture	Pass-through	10.170	791N6600147	MI DEPT AG & RURAL DEV.	9,491	-
Agriculture	Pass-through	10.200	416-41-15A	IOWA STATE UNIVERSITY	53,562	-
Agriculture	Pass-through	10.200	416-40-931	IOWA STATE UNIVERSITY	3,897	-
Agriculture	Pass-through	10.200	8000064756-AG	PURDUE UNIV	3,467	-
Agriculture	Pass-through	10.216	36 22091 396 76190	TUSKEGEE UNIVERSITY	9,217	-
Agriculture	Pass-through	10.216	36 22091 396 76190	TUSKEGEE UNIVERSITY	4,247	-
Agriculture	Pass-through	10.310	3001825205	UNIV OF MICHIGAN	212,279	-
Agriculture	Pass-through	10.310	S11204	KANSAS STATE UNIVERSITY	93,373	-
Agriculture	Pass-through	10.329	2014-07306-01	ILLINOIS UNIV OF -	196,000	-
Agriculture	Pass-through	10.329	2014-07306-13	ILLINOIS UNIV OF -	10,102	-
Agriculture	Pass-through	10.329	2014-07306-16	ILLINOIS UNIV OF -	694	-
Agriculture	Pass-through	10.500	20160912-00	NEBRASKA LINCOLN UNIVERSITY OF	21,474	-
Agriculture	Pass-through	10.500	S15073	KANSAS STATE UNIVERSITY	11,457	-
Agriculture	Pass-through	10.500	S16047	KANSAS STATE UNIVERSITY	10,666	-
Agriculture	Pass-through	10.500	5367-MSU-USDA-4341	PENNSYLVANIA STATE UNIVERSITY	4,585	-
Agriculture	Pass-through	10.500	S16047	KANSAS STATE UNIVERSITY	2,386	-
Agriculture	Pass-through	10.500	5141-MSU-USDA-2628	PENNSYLVANIA STATE UNIVERSITY	(7,150)	-
Agriculture	Pass-through	10.557	Contract 20160880-00 Attachment C	MI DEPT OF HUMAN SERVICES	290,255	-
Agriculture	Pass-through	10.557	20151518-00 Attachment G	MI COMMUNITY HEALTH	88,428	-
Agriculture	Pass-through	10.557	20153822-00 Attachment AQ	MI COMMUNITY HEALTH	7,494	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Other Federal Awards (Continued):						
Agriculture	Pass-through	10.572	20151542-00 Attachment AB	MI COMMUNITY HEALTH	\$ 21,879	\$ -
Agriculture	Pass-through	10.572	20160902-00 Attachment X	MI DEPT OF HUMAN SERVICES	18,899	-
Agriculture	Pass-through	10.680	8000064146-AG	USDA - FOREST SERVICE	20,962	-
Agriculture	Pass-through	10.777	016258-114	UNIVERSITY OF CALIFORNIA DAVIS	15,525	-
Agriculture	Pass-through	10.777	016258-141	CIMMYT INC	15	-
	Pass-through Total				<u>1,142,362</u>	<u>-</u>
Agriculture Total					15,524,659	1,192,357
Commerce	Direct	11.417	NA14OAR4170285	NATL OCEANIC & ATMOSPHERIC ADM	31,057	-
Commerce	Direct	11.620	70NANB15H339	NATL INST. OF STANDARDS & TECH	13,966	-
	Direct Total				<u>45,023</u>	<u>-</u>
Commerce	Pass-through	11.303	06-66-05711-03	ECONOMIC DEVELOPMENT ADMINISTR	60,302	-
Commerce	Pass-through	11.407	78352	MINNESOTA DEPT OF NATURAL RESO	(665)	-
Commerce	Pass-through	11.417	3003003179	UNIV OF MICHIGAN	631,036	-
Commerce	Pass-through	11.417	3002999560	UNIV OF MICHIGAN	69,406	-
Commerce	Pass-through	11.417	3003003181	UNIV OF MICHIGAN	39,616	-
Commerce	Pass-through	11.417	2010-03074-06	ILLINOIS UNIV OF -	36,360	-
Commerce	Pass-through	11.417	3003675941	UNIV OF MICHIGAN	20,686	-
Commerce	Pass-through	11.417	D004419455	MINNESOTA UNIV OF	7,576	-
Commerce	Pass-through	11.417	609K873	WISCONSIN UNIV OF	4,787	-
Commerce	Pass-through	11.417	3003003179	UNIV OF MICHIGAN	3,000	-
Commerce	Pass-through	11.417	3003003179	UNIV OF MICHIGAN	915	-
Commerce	Pass-through	11.417	2010-03074-05	ILLINOIS UNIV OF -	748	-
Commerce	Pass-through	11.417	3001444299	UNIV OF MICHIGAN	(1)	-
	Pass-through Total				<u>873,766</u>	<u>-</u>
Commerce Total					918,789	-
Defense	Direct	12.116	IPA-14-0016	ARMY US CORPS OF ENGINEERS	49,641	-
Defense	Direct	12.116	IPA-14-0015	ARMY US CORPS OF ENGINEERS	39,303	-
Defense	Direct	12.116	IPA-14-0018	ARMY US CORPS OF ENGINEERS	37,840	-
Defense	Direct	12.116	IPA-14-0017	ARMY US CORPS OF ENGINEERS	29,985	-
Defense	Direct	12.116	W911XK-12-C-0010	ARMY US CORPS OF ENGINEERS	2,186	-
Defense	Direct	12.901	H98230-15-1-0047	NATL SECURITY AGENCY	49,816	-
	Direct Total				<u>208,771</u>	<u>-</u>
Defense	Pass-through	12.116	Protocol Version 6.0	BRAINSCOPE CO., INC.	28,200	-
Defense	Pass-through	12.550	2340-MSU-7-PI-093-PO1	INSTITUTION OF INTERNATIONAL E	308,022	-
Defense	Pass-through	12.550	0054-MSU-22-SSA-280-PO1	INSTITUTION OF INTERNATIONAL E	28,442	-
	Pass-through Total				<u>364,664</u>	<u>-</u>
Defense Total					573,435	-
Education	Direct	84.84U	Pell Admin Allowance	EDUCATION U.S. DEPT OF	90,710	-
Education	Direct	84.032	FFELP Loans Receivable	EDUCATION U.S. DEPT OF	1,254,593	-
Education	Direct	84.015	P015B140099 - 16	EDUCATION U.S. DEPT OF	430,053	-
Education	Direct	84.015	P015B140097 - 16	EDUCATION U.S. DEPT OF	324,587	-
Education	Direct	84.015	P015A140098 - 16	EDUCATION U.S. DEPT OF	246,271	-
Education	Direct	84.015	P015A140097 - 16	EDUCATION U.S. DEPT OF	207,514	-
Education	Direct	84.015	P015B140099 - 16	EDUCATION U.S. DEPT OF	5,461	-
Education	Direct	84.022	P022A140053	EDUCATION U.S. DEPT OF	34,218	-
Education	Direct	84.022	P022A140053	EDUCATION U.S. DEPT OF	27,859	-
Education	Direct	84.022	P022A140053	EDUCATION U.S. DEPT OF	18,796	-
Education	Direct	84.022	P022A140053	EDUCATION U.S. DEPT OF	18,742	-
Education	Direct	84.022	P022A150034	EDUCATION U.S. DEPT OF	7,780	-
Education	Direct	84.022	P022A150034	EDUCATION U.S. DEPT OF	104	-
Education	Direct	84.022	P022A130021	EDUCATION U.S. DEPT OF	(407)	-
Education	Direct	84.129	H129B140012	EDUCATION U.S. DEPT OF	228,458	-
Education	Direct	84.133	H133F140057	EDUCATION U.S. DEPT OF	(764)	-
Education	Direct	84.141	S141A120010-15	EDUCATION U.S. DEPT OF	441,073	-
Education	Direct	84.149	S149A150003 - 16	EDUCATION U.S. DEPT OF	414,185	-
Education	Direct	84.149	S149A100003	EDUCATION U.S. DEPT OF	617	-
Education	Direct	84.200	P200A140215	EDUCATION U.S. DEPT OF	204,112	-
Education	Direct	84.220	P220A140001	EDUCATION U.S. DEPT OF	335,761	-
Education	Direct	84.229	P229A140006	EDUCATION U.S. DEPT OF	157,159	-
Education	Direct	84.229	P229A100002 - 13	EDUCATION U.S. DEPT OF	12,412	-
Education	Direct	84.305	R305B090011-13	EDUCATION U.S. DEPT OF	309,769	-
Education	Direct	84.334	BYRD SCHOLARSHIP	EDUCATION U.S. DEPT OF	220,051	-
Education	Direct	84.408	P408A140233	EDUCATION U.S. DEPT OF	(315)	-
	Direct Total				<u>4,988,799</u>	<u>-</u>
Education	Pass-through	84.010	Coaching 101	GOEBIC ONTONAGON ISD	553,249	-
Education	Pass-through	84.010	MAISA APP	MICH ASSOC OF SCHOOL ADMINISTR	393,372	-
Education	Pass-through	84.011	151850-2015	MICHIGAN DEPARTMENT OF EDUCATI	104,936	-
Education	Pass-through	84.011	16185-1516	MICHIGAN DEPARTMENT OF EDUCATI	82,917	-
Education	Pass-through	84.048	163430-16133	MICHIGAN DEPARTMENT OF EDUCATI	80,941	-
Education	Pass-through	84.048	163280-16183	MICHIGAN DEPARTMENT OF EDUCATI	67,798	-
Education	Pass-through	84.305	SP0021157-PROJ0006411	NORTHWESTERN UNIVERSITY	19,407	-
Education	Pass-through	84.334	15-00-06	MICHIGAN ECONOMIC DEVELOPMENT	213,557	-
Education	Pass-through	84.334	14-00-06	MICHIGAN ECONOMIC DEVELOPMENT	20,567	-
Education	Pass-through	84.367	150290-007	MICHIGAN DEPARTMENT OF EDUCATI	162,948	-
Education	Pass-through	84.367	140290-004	MICHIGAN DEPARTMENT OF EDUCATI	22,185	-
Education	Pass-through	84.367	94-MI04-SEED2012	NATL WRITING PROJECT	5,449	-
Education	Pass-through	84.367	94-MI04-SEED2012	NATIONAL WRITING PROJECT	1,834	-
Education	Pass-through	84.374	MAPSA Teacher Mentoring	MAPSA	85,294	-
	Pass-through Total				<u>1,814,454</u>	<u>-</u>
Education Total					6,803,253	-
Energy	Direct	81.041	MEO-15-002	ENERGY US DEPT OF	163,315	-
Energy	Direct	81.041	MEO-15-001	ENERGY US DEPT OF	20,815	-
Energy	Direct	81.041	MEO-15-001	ENERGY US DEPT OF	9,983	-
	Direct Total				<u>194,113</u>	<u>-</u>
Energy Total					194,113	-
Environmental Protection Agency	Direct	66.716	83559101	ENVIRONMENTAL PROTECTION AGENC	49,166	3,097
	Direct Total				<u>49,166</u>	<u>3,097</u>
Environmental Protection Agency	Pass-through	66.001	2013-1-TO11	ENVIROSCIENCE, INC.	52,405	-
Environmental Protection Agency	Pass-through	66.469	GVSU-212619-01	GRAND VALLEY STATE UNIVERSITY	4,699	-
	Pass-through Total				<u>57,104</u>	<u>-</u>
Environmental Protection Agency Total					106,270	3,097
Federal Council on the Arts and Humanities	Direct	45.024	15-5500-7066	NATL ENDOWMENT FOR THE ARTS	24,465	-
Federal Council on the Arts and Humanities	Direct	45.024	14-5500-7118	NATL ENDOWMENT FOR THE ARTS	18,489	-
Federal Council on the Arts and Humanities	Direct	45.024	14-5500-7062	NATL ENDOWMENT FOR THE ARTS	9,449	-
Federal Council on the Arts and Humanities	Direct	45.149	PW-51583-14	NATL ENDOWMENT FOR THE HUMANIT	89,344	3,355
Federal Council on the Arts and Humanities	Direct	45.149	PW-51583-14	NATL ENDOWMENT FOR THE HUMANIT	11,225	-
Federal Council on the Arts and Humanities	Direct	45.149	PW-51024-12	NATL ENDOWMENT FOR THE HUMANIT	512	-
Federal Council on the Arts and Humanities	Direct	45.163	ES-50575-14	NATL ENDOWMENT FOR THE HUMANIT	188,740	-
Federal Council on the Arts and Humanities	Direct	45.163	AQ-50502-11	NATL ENDOWMENT FOR THE HUMANIT	7,335	-
Federal Council on the Arts and Humanities	Direct	45.169	HT-50088-14	NATL ENDOWMENT FOR THE HUMANIT	103,081	-
Federal Council on the Arts and Humanities	Direct	45.169	NEH #HK-50155-14	NATL ENDOWMENT FOR THE HUMANIT	16,776	-
Federal Council on the Arts and Humanities	Direct	45.169	NEH #HK-50155-14	NATL ENDOWMENT FOR THE HUMANIT	13,346	-
Federal Council on the Arts and Humanities	Direct	45.301	MA-30-15-0325-15	INSTITUTE OF MUSEUM AND LIBRAR	26,324	-

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Other Federal Awards (Continued):						
Federal Council on the Arts and Humanities	Direct	45.301	MA-30-14-0073-14	INSTITUTE OF MUSEUM AND LIBRAR	\$ 24,686	\$ -
Federal Council on the Arts and Humanities	Direct	45.312	SP-02-14-0050-14	INSTITUTE OF MUSEUM AND LIBRAR	9,868	-
	Direct Total				<u>543,640</u>	<u>3,355</u>
Federal Council on the Arts and Humanities	Pass-through	45.025	16OP3208PS	MI COUNCIL ARTS & CULTURAL AFF	27,000	-
Federal Council on the Arts and Humanities	Pass-through	45.025	16OP3344PS	MI COUNCIL ARTS & CULTURAL AFF	27,000	-
Federal Council on the Arts and Humanities	Pass-through	45.025	15OP0226PS	MI COUNCIL ARTS & CULTURAL AFF	22,500	-
Federal Council on the Arts and Humanities	Pass-through	45.025	16OP3349PS	MI COUNCIL ARTS & CULTURAL AFF	18,000	-
Federal Council on the Arts and Humanities	Pass-through	45.025	16SF3363SV	MI COUNCIL ARTS & CULTURAL AFF	14,045	-
Federal Council on the Arts and Humanities	Pass-through	45.025	15OP0230PS	MI COUNCIL ARTS & CULTURAL AFF	12,500	-
Federal Council on the Arts and Humanities	Pass-through	45.025	15OP0238PS	MI COUNCIL ARTS & CULTURAL AFF	9,896	-
Federal Council on the Arts and Humanities	Pass-through	45.025	16OP3210PS	MI COUNCIL ARTS & CULTURAL AFF	9,537	-
Federal Council on the Arts and Humanities	Pass-through	45.025	15OP0229PS	MI COUNCIL ARTS & CULTURAL AFF	8,419	-
Federal Council on the Arts and Humanities	Pass-through	45.025	16OP3199PS	MI COUNCIL ARTS & CULTURAL AFF	7,049	-
Federal Council on the Arts and Humanities	Pass-through	45.025	15OP0227PS	MI COUNCIL ARTS & CULTURAL AFF	3,076	-
Federal Council on the Arts and Humanities	Pass-through	45.025	15NL0045MT	MI COUNCIL ARTS & CULTURAL AFF	1,336	-
Federal Council on the Arts and Humanities	Pass-through	45.025	16OP3209PS	MI COUNCIL ARTS & CULTURAL AFF	1,243	-
Federal Council on the Arts and Humanities	Pass-through	45.025	16NL3416MT	MI COUNCIL ARTS & CULTURAL AFF	1,235	-
Federal Council on the Arts and Humanities	Pass-through	45.129	003 H14	MICHIGAN HUMANITIES COUNCIL	6,963	-
Federal Council on the Arts and Humanities	Pass-through	45.169	15-119-100485-010	OLD DOMINION UNIVERSITY	13,107	-
	Pass-through Total				<u>182,906</u>	<u>-</u>
Federal Council on the Arts and Humanities Total					<u>726,546</u>	<u>3,355</u>
Health and Human Services	Direct	93.103	4U18FD004632-04	FOOD & DRUG ADMINISTRATION -PH	12,217	-
Health and Human Services	Direct	93.103	15-AUFSI-360490-MSU	FOOD & DRUG ADMINISTRATION -PH	9,935	-
Health and Human Services	Direct	93.124	1 A22HP286560100	HEALTH RESOURCES & SERVICES AD	19,645	-
Health and Human Services	Direct	93.157	5D34HP24457-05-00	HEALTH RESOURCES & SERVICES AD	639,003	-
Health and Human Services	Direct	93.247	5 D09HP26953-03-00	HEALTH RESOURCES & SERVICES AD	230,841	-
Health and Human Services	Direct	93.513	1T57HP20597-01-00	HEALTH RESOURCES & SERVICES AD	71,280	-
Health and Human Services	Direct	93.884	5 D54HP23284-05-00	HEALTH RESOURCES & SERVICES AD	160,468	-
Health and Human Services	Direct	93.884	5D58HP23259-05-00	HEALTH RESOURCES & SERVICES AD	142,279	-
Health and Human Services	Direct	93.969	5UB4HP019064-05-00	HEALTH RESOURCES & SERVICES AD	38,423	5,619
	Direct Total				<u>1,324,091</u>	<u>5,619</u>
Health and Human Services	Pass-through	93.001	15-16-442	HEMOPHILIA FOUNDATION OF MICH	44,102	-
Health and Human Services	Pass-through	93.001	HARDSHIP - APP147948	MICH DEPT OF HEALTH & HUMAN SERVICES	22,403	-
Health and Human Services	Pass-through	93.001	Work@Health	ASLHJN MANAGEMENT GROUP, INC.	7,327	-
Health and Human Services	Pass-through	93.070	20151522-002 Attachment D	MI COMMUNITY HEALTH	20,859	-
Health and Human Services	Pass-through	93.110	ATHN2015-HRSA-2	AMERICAN THROMBOSIS & HEMOSTAS	84,196	-
Health and Human Services	Pass-through	93.110	MCHB Grant	HEMOPHILIA FOUNDATION OF MICH	60,157	-
Health and Human Services	Pass-through	93.110	NPHCC-1-03	AMERICAN THROMBOSIS & HEMOSTAS	16,445	-
Health and Human Services	Pass-through	93.243	7F044-A	RESEARCH FOUNDATION OF CUNY	6,004	-
Health and Human Services	Pass-through	93.243	7F044-A	RESEARCH FOUNDATION OF CUNY	4,105	-
Health and Human Services	Pass-through	93.243	20151522-002 Attachment D	MI COMMUNITY HEALTH	2,173	-
Health and Human Services	Pass-through	93.268	20151540-00 Attachment Z	MI COMMUNITY HEALTH	53,854	-
Health and Human Services	Pass-through	93.283	20160882-00 -E	MI DEPT OF HUMAN SERVICES	622,125	-
Health and Human Services	Pass-through	93.283	20151522-002 Attachment D	MI COMMUNITY HEALTH	146,946	-
Health and Human Services	Pass-through	93.283	20160881-001 Attachment D	MICH DEPT OF HEALTH & HUMAN SERVICES	23,344	-
Health and Human Services	Pass-through	93.283	20151521-002 Attachment E	MI COMMUNITY HEALTH	11,528	-
Health and Human Services	Pass-through	93.283	20160891-00 Attachment L	MICH DEPT OF HEALTH & HUMAN SERVICES	1,526	-
Health and Human Services	Pass-through	93.556	SFSC14-19001	MI DEPT OF HUMAN SERVICES	28,920	-
Health and Human Services	Pass-through	93.556	SFSC14-19001	MI DEPT OF HUMAN SERVICES	11,831	-
Health and Human Services	Pass-through	93.590	CTFDS-15-73001	MI DEPT OF HUMAN SERVICES	33,014	-
Health and Human Services	Pass-through	93.590	CTFDS-15-73001	MI DEPT OF HUMAN SERVICES	21,923	-
Health and Human Services	Pass-through	93.600	05CH8365	CAPITAL AREA COMMUNITY SERVICE	79,683	-
Health and Human Services	Pass-through	93.628	20160892-00 Attachment M	MI COMMUNITY HEALTH	116,503	-
Health and Human Services	Pass-through	93.628	20151534-00 Attachment Q	MI COMMUNITY HEALTH	33,834	-
Health and Human Services	Pass-through	93.628	20160881-001 Attachment D	MICH DEPT OF HEALTH & HUMAN SERVICES	4,402	-
Health and Human Services	Pass-through	93.647	FY16.150.002	COLORADO UNIVERSITY OF	39,593	-
Health and Human Services	Pass-through	93.647	FY16.150.002	COLORADO UNIVERSITY OF	32,835	-
Health and Human Services	Pass-through	93.648	1120721-3-69467	STATE UNIV OF NEW YORK RESEARC	163,234	73,785
Health and Human Services	Pass-through	93.734	201622565-00-0 Attachment AO	MICH DEPT OF HEALTH & HUMAN SERVICES	10,000	-
Health and Human Services	Pass-through	93.745	20151522-002 Attachment D	MI COMMUNITY HEALTH	11,871	-
Health and Human Services	Pass-through	93.778	20151538-00 Attachment T	MI COMMUNITY HEALTH	17,163	-
Health and Human Services	Pass-through	93.778	20151522-002 Attachment D	MI COMMUNITY HEALTH	1,630	-
Health and Human Services	Pass-through	93.926	HR-SBP14-05	SPECTRUM HEALTH SYSTEMS OF GRA	45,997	-
Health and Human Services	Pass-through	93.926	HR-SBP14-05	SPECTRUM HEALTH SYSTEMS OF GRA	35,027	-
Health and Human Services	Pass-through	93.945	20151522-002 Attachment D	MI COMMUNITY HEALTH	32,158	-
Health and Human Services	Pass-through	93.991	20160912 Attachment AH	MICH DEPT OF HEALTH & HUMAN SERVICES	59,752	-
Health and Human Services	Pass-through	93.991	20151522-002 Attachment D	MI COMMUNITY HEALTH	31,940	-
Health and Human Services	Pass-through	93.994	20160901-00-W	MI DEPT OF HUMAN SERVICES	75,660	-
Health and Human Services	Pass-through	93.994	20151538-00 Attachment T	MI COMMUNITY HEALTH	14,711	-
	Pass-through Total				<u>2,028,775</u>	<u>73,785</u>
Health and Human Services Total					<u>3,352,866</u>	<u>79,404</u>
Homeland Security	Direct	97.012	3316SUR160102	US COAST GUARD	410	-
	Direct Total				410	-
Homeland Security	Pass-through	97.061	06-S140695	TEXAS A&M	146,632	-
	Pass-through Total				<u>146,632</u>	<u>-</u>
Homeland Security Total					<u>147,042</u>	<u>-</u>
Interior	Direct	15	P13PX02284	NATIONAL PARK SERVICE	14,000	-
	Direct Total				14,000	-
Interior	Pass-through	15.662	791N4300444	MI DEPT AG & RURAL DEV.	45,309	-
Interior	Pass-through	15.805	2015-06806-02	ILLINOIS URBANA CHAMPAIGN UNIV	13,879	-
Interior	Pass-through	15.805	2015-06806-02	ILLINOIS URBANA CHAMPAIGN UNIV	6,566	-
	Pass-through Total				<u>65,754</u>	<u>-</u>
Interior Total					<u>79,754</u>	<u>-</u>
Justice	Direct	16.001	90-11-2-529Z	JUSTICE US DEPT OF	12,155	-
Justice	Direct	16.609	2010-GP-BX-K002	JUSTICE US DEPT OF	70,626	-
Justice	Direct	16.710	2011UMWX0088	JUSTICE US DEPT OF	23,129	-
	Direct Total				<u>105,910</u>	<u>-</u>
Justice	Pass-through	16.001	BAH 20150521-140522-91	BOOZ ALLEN HAMILTON, INC.	46,670	-
Justice	Pass-through	16.527	113126	INGHAM COUNTY	(11,679)	-
Justice	Pass-through	16.575	20160907-00 Attachment AC	MICH DEPT OF HEALTH & HUMAN SERVICES	176,885	-
Justice	Pass-through	16.575	20151528-00 Attachment W	MI COMMUNITY HEALTH	53,238	-
Justice	Pass-through	16.726	4-H National Mentoring Program Year 5	NATIONAL 4-H COUNCIL	246,329	-
Justice	Pass-through	16.726	MI 4-H Tech Wizard	NATIONAL 4-H COUNCIL	168,181	-
Justice	Pass-through	16.751	Prime 2011-DB-BX-0033	MI STATE POLICE	(2,536)	-
Justice	Pass-through	16.812	15-SA-161-2254	COUNCIL OF STATE GOVERNMENTS	161,642	-
Justice	Pass-through	16.833	3-321-0215016-52458L	RTI INTERNATIONAL	18,172	-
	Pass-through Total				<u>856,902</u>	<u>-</u>
Justice Total					<u>962,812</u>	<u>-</u>
Labor	Direct	17.502	SH-26316-14-60-F-26	LABOR US DEPT OF	32,265	-
	Direct Total				32,265	-
Labor Total					<u>32,265</u>	<u>-</u>

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
Other Federal Awards (Continued):						
National Aeronautics & Space Administration	Direct	43.001	NNX10AD19G	NATL AERONAUTICS AND SPACE ADM	\$ 50,253	\$ -
National Aeronautics & Space Administration	Direct	43.008	NNX12AM66H	NATL AERONAUTICS AND SPACE ADM	45,034	-
	Direct Total				<u>95,287</u>	<u>-</u>
National Aeronautics & Space Administration Total					95,287	-
National Archives & Records Administration	Direct	89.003	NAR15-RH-50167-15	NATL HIST PUBLIC & RECORD COM	12,731	-
	Direct Total				<u>12,731</u>	<u>-</u>
National Archives & Records Administration Total					12,731	-
Peace Corps	Direct	45.400	PC-12-8-044	PEACE CORPS	(741)	-
	Direct Total				<u>(741)</u>	<u>-</u>
Peace Corps Total					(741)	-
State	Pass-through	19.010	S-ECAGD-15-CA-1017	INSTITUTION OF INTERNATIONAL E	212,538	-
State	Pass-through	19.021	FY16-IULP-MSU-01	INTERNATIONAL RESEARCH AND EXCHANGES BOARD (IREX)	3,285	-
State	Pass-through	19.400	S-ECAGD-15-CA-1015	INSTITUTION OF INTERNATIONAL E	65,651	-
State	Pass-through	19.400	S-ECAGD-16-CA-1004	INSTITUTION OF INTERNATIONAL E	3,727	-
	Pass-through Total				<u>285,201</u>	<u>-</u>
State Total					285,201	-
Transportation	Pass-through	20.215	2016-0131	MICHIGAN DEPARTMENT OF TRANSPO	33,642	-
	Pass-through Total				<u>33,642</u>	<u>-</u>
Transportation Total					33,642	-
Treasury	Pass-through	21.000	NFMC Round 9	MICH STATE HOUSING DEVELOPMENT	5,930	-
Treasury	Pass-through	21.000	NFMC Program	MICH STATE HOUSING DEVELOPMENT	4,243	-
	Pass-through Total				<u>10,173</u>	<u>-</u>
Treasury Total					10,173	-
USAID	Direct	98.001	AID-OAA-A-13-00006	AGENCY FOR INTERNATL DEVELOPME	3,230,512	505,008
USAID	Direct	98.001	AID-OAA-A-13-00006	AGENCY FOR INTERNATL DEVELOPME	34,670	-
USAID	Direct	98.001	AID-OAA-A-13-00006	AGENCY FOR INTERNATL DEVELOPME	1,599	-
	Direct Total				<u>3,266,781</u>	<u>505,008</u>
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	1,206,831	67,625
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	705,440	111,476
USAID	Pass-through	98.001	2993-MSU-1	INSTITUTE OF INTERNATIONAL EDUCION	602,535	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	549,050	212,787
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	526,794	425,830
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	429,651	296,459
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	422,475	209,047
USAID	Pass-through	98.001	60039687	OHIO STATE UNIVERSITY	397,490	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	378,008	258,785
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	280,614	63,631
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	184,078	126,421
USAID	Pass-through	98.001	2010-07200-01	ILLINOIS URBANA CHAMPAIGN UNIV	164,059	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	163,611	95,023
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	148,459	128,660
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	141,363	95,037
USAID	Pass-through	98.001	2420	IMPAQ INTERNATIONAL	103,377	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	97,941	29,578
USAID	Pass-through	98.001	2015-07022-02	ILLINOIS URBANA CHAMPAIGN UNIV	73,906	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	64,236	48,379
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	52,487	-
USAID	Pass-through	98.001	RC710-059/S000766	GEORGIA UNIVERSITY OF	27,709	27,709
USAID	Pass-through	98.001	REPLACE-IQC-TtARD-MSU-005	TETRA TECH INC.	26,277	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	24,529	-
USAID	Pass-through	98.001	Amendment 3	CIAT	16,929	15,182
USAID	Pass-through	98.001	C-085-11	UILTCB	8,997	-
USAID	Pass-through	98.001	STARR-IQC-MSU-001 LOA 4	TETRA TECH INC.	8,274	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	6,991	-
USAID	Pass-through	98.001	619299/0678.0100	FAMILY HEALTH INTERNATIONAL	5,053	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	3,261	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	1,807	-
USAID	Pass-through	98.001	8000069602	PURDUE UNIV	1,613	-
USAID	Pass-through	98.001	016258-112	UNIV OF CALIFORNIA	189	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	166	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	63	-
USAID	Pass-through	98.001	016258-105	UNIV OF CALIFORNIA	27	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	(163)	-
USAID	Pass-through	98.001	LOA02 1848-000	TETRA TECH INC.	(2,267)	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	(9,563)	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	(16,739)	(37,403)
USAID	Pass-through	98.012	HED023-9722-RWA-12-02	AMER COUNCIL ON EDUCATION	193,933	96,902
USAID	Pass-through	98.012	183900.312453.02	MISSISSIPPI STATE UNIVERSITY	2,553	-
	Pass-through Total				<u>6,992,044</u>	<u>2,271,128</u>
USAID Total					10,258,825	2,776,136
Vietnam Education Foundation	Direct	85.802	Vietnam Education Foundation Fellowships	VIETNAM EDUCATION FOUNDATION	190,886	-
	Direct Total				<u>190,886</u>	<u>-</u>
Vietnam Education Foundation Total					190,886	-
TOTAL OTHER FEDERAL AWARDS					<u>40,307,808</u>	<u>4,054,349</u>
TOTAL FEDERAL EXPENDITURES					<u>\$ 905,113,220</u>	<u>\$ 46,699,132</u>

MICHIGAN STATE UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2016

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
SUMMARY OF EXPENDITURES BY FEDERAL AGENCY						
Energy					\$ 174,994,700	\$ 6,263,186
National Science Foundation					75,855,847	7,325,509
Health and Human Services					62,150,529	7,565,330
Agriculture					59,573,919	9,201,350
Education					52,957,858	233,332
USAID					30,206,329	11,581,678
Defense					10,032,928	2,127,191
Justice					3,264,303	145,333
National Aeronautics & Space Administration					2,891,327	268,884
Environmental Protection Agency					2,783,772	1,185,107
Interior					1,800,063	27,804
Transportation					1,704,467	676,748
Commerce					1,699,363	13,236
Federal Council on the Arts and Humanities					1,174,329	25,755
State					445,194	40,396
Homeland Security					317,320	18,293
Vietnam Education Foundation					190,886	-
Labor					32,265	-
National Archives & Records Administration					12,731	-
Treasury					10,173	-
Peace Corps					(741)	-
					<u>482,097,562</u>	<u>46,699,132</u>
SUMMARY OF LOAN BALANCES BY FEDERAL AGENCY						
Education					412,393,488	-
Health and Human Services					<u>10,622,170</u>	-
					<u>423,015,658</u>	-
TOTAL FEDERAL EXPENDITURES					<u>\$ 905,113,220</u>	<u>\$ 46,699,132</u>

Michigan State University

Notes to Schedule of Expenditures of Federal Awards Year Ended June 30, 2016

Note 1 - Basis of Presentation

The accompanying schedule of expenditures of federal awards (the "Schedule") includes the federal grant activity of Michigan State University (the "University") under programs of the federal government for the year ended June 30, 2016. The information in this Schedule is presented in accordance with the requirements of the Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (the "Uniform Guidance"). Because the Schedule presents only a selected portion of the operations of Michigan State University, it is not intended to, and does not, present the financial position, changes in net position, or cash flows of Michigan State University.

Note 2 - Summary of Significant Accounting Policies

Expenditures reported on the Schedule are reported on the accrual basis of accounting. Such expenditures are recognized following, as applicable, either the cost principles in OMB Circular A-21, *Cost Principles for Educational Institutions*, or the cost principles contained in Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards*, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Negative amounts shown on the Schedule represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years. Pass-through entity identifying numbers are presented where available.

Note 3 - Indirect Costs

The University has not elected to use the 10 percent *de minimus* indirect cost rate to recover indirect costs as allowed under the Uniform Guidance.

Included as federal expenditures are indirect costs of \$62,903,141 which are based on the approved University rate agreement negotiated with the cognizant agency. The negotiated rate was effective until June 30, 2016. The University has negotiated a new rate agreement effective July 1, 2016 through June 30, 2019.

Note 4 - Commingled Funds

Certain miscellaneous pass-through funds consist of commingled funds from federal and nonfederal sources. The commingled component cannot be separated to specify the individual funding sources; therefore, the total amount is included in the schedule of expenditures of federal awards.

Michigan State University

Notes to Schedule of Expenditures of Federal Awards Year Ended June 30, 2016

Note 5 - Catalog of Federal Domestic Assistance (CFDA) Numbers

All programs with identifiable CFDA numbers have been listed separately. Award numbers have been provided for all programs for which CFDA numbers were not available. Programs without an identifiable CFDA number are identified by agency number only. If the agency number is not known, the program is listed using an agency number of 99.

Note 6 - Federal Student Loans Granted and Outstanding

As part of the Student Financial Assistance Cluster, the University participates in the Federal Perkins Loan Program through the U.S. Department of Education and the Health Professional Student Loan Program, Nursing Student Loan Program, and Nurse Faculty Loan Program, all through the U.S. Department of Health and Human Services. These loan programs are directly administered by the University and are considered revolving loan programs where collections received on past loans, including interest, and new funds received from federal agencies with University matching requirements are loaned out to current students. The loans disbursed during the year and year end outstanding balances for these loans are disclosed below.

<u>Loan Program</u>	<u>Loan Program</u>	<u>Loans Issued</u>	<u>Loan Balances</u>
84.038	Perkins	\$ 4,958,281	\$ 37,723,005
93.264	Nurse Faculty Loans	105,942	239,696
93.342	Health Professional Student Loans	1,773,772	9,134,098
93.364	Nursing Student Loans	-	4,089
	Total	<u>\$ 6,837,995</u>	<u>\$ 47,100,888</u>

The University participates in the Federal Direct Student Loan Program (FDLs). A total of \$368,039,475 of the amount presented in the schedule of expenditures of federal awards represents the value of the new FDLs accepted by students during the year ended June 30, 2016.

The University had participated in the discontinued U.S. Department of Education Federal Family Education Loan Program and continues to hold and service loans totaling \$1,089,771 at June 30, 2016.

Michigan State University

Notes to Schedule of Expenditures of Federal Awards Year Ended June 30, 2016

Note 7 - Federal Work Study Program Adjustments and Transfers

During the year ended June 30, 2016, certain Federal Work Study funds were transferred in accordance with federal guidelines. The transfers were as follows:

<u>Transferred from</u>	<u>Amount</u>	<u>Transferred to</u>
Federal Work Study 2015-2016	\$ 617,802	Federal Supplemental Educational Opportunity Grant 2015-2016
Federal Work Study 2015-2016	220,590	Federal Work Study 2016-2017
Federal Work Study 2015-2016	<u>12,464</u>	Federal Work Study 2014-2015
Total	<u>\$ 850,856</u>	

Michigan State University

Schedule of Findings and Questioned Costs Year Ended June 30, 2016

Section I - Summary of Auditor's Results

Financial Statements

Type of auditor's report issued: Unmodified

Internal control over financial reporting:

- Material weakness(es) identified? Yes No
- Significant deficiency(ies) identified that are not considered to be material weaknesses? Yes None reported

Noncompliance material to financial statements noted? Yes No

Federal Awards

Internal control over major programs:

- Material weakness(es) identified? Yes No
- Significant deficiency(ies) identified that are not considered to be material weaknesses? Yes None reported

Type of auditor's report issued on compliance for major programs: Unmodified

Any audit findings disclosed that are required to be reported in accordance with Section 2 CFR 200.516 (a)? Yes No

Identification of major programs:

<u>CFDA Numbers</u>	<u>Name of Federal Program or Cluster</u>
84.007, 84.033, 84.038, 84.063, 84.268, 93.264, 93.342, 93.364 84.032	Student Financial Aid Federal Family Education Loan Program - Lenders

Dollar threshold used to distinguish between type A and type B programs: \$3,000,000

Auditee qualified as low-risk auditee? Yes No

Michigan State University

Schedule of Findings and Questioned Costs (Continued) Year Ended June 30, 2016

Section II - Financial Statement Audit Findings

None

Section III - Federal Program Audit Findings

Reference

Number

Finding

2016-001 **CFDA Number, Federal Agency, and Program Name** - Student financial assistance cluster - (84.007, 84.033, 84.038, 84.063, 84.268, 93.264, 93.342, 93.364)

Federal Award Identification Number and Year - Various

Pass-through Entity - N/A - Direct award

Finding Type - Significant deficiency

Repeat finding - No

Criteria - A school must update the National Student Loan Data System (NSLDS) within 30 days of a student status change, unless the school expects to submit its next enrollment report to the NSLDS within 60 days (34 eCFR 685.309).

Condition - Certain student status changes for students that withdrew from the University were not reported within 60 days.

Questioned Costs - None

Identification of How Questioned Costs Were Computed - N/A

Context - Of the sample of 40 student status changes selected for enrollment reporting testing, three of those status changes were not reported within the required 60-day period.

Cause and Effect - A control was lacking to ensure all student status changes were reported in a timely fashion. As a result, status changes were reported late.

Recommendation - The University should implement controls to ensure timely student status change reporting.

Views of Responsible Officials and Planned Corrective Actions - The University Registrar's Office agrees with the finding identified in sample noted above. The University utilizes the National Student Clearinghouse (NSC) as an agent for enrollment and degree reporting. In the specific instances noted, there was a substantial delay in sending data on to the NSLDS subsequent to the University's submission to the NSC. The NSC has added functionality providing the NSLDS an additional Student Status Confirmation Report response at mid-month, which the University is utilizing to eliminate the risk of future time delays.

Single Audit Report: Corrective Action Plan

Year Ended June 30, 2016

Finding 2016-001

Program Name - Major Program - Student Financial Assistance Cluster - CFDA #84.007, 84.033, 84.038, 84.063, 84.268, 93.264, 93.342 and 93.364

Finding Type - Significant deficiency

Corrective Action Plan - The National Student Clearinghouse (NSC) serves as Michigan State University's (MSU) agent for enrollment and degree reporting. MSU submits files to the NSC, who in turn provides data to the National Student Loan Data System (NSLDS), fulfilling the 60-day requirement for timely reporting.

Despite the discrepancy in language between the Date of Determination for withdrawal regulations and the Date of Discovery for timely reporting, the resultant conclusion is that the data is required to reach the NSLDS within 60 days using the date of the withdrawal event.



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In the specific instances noted, there was a substantial delay in sending the data on to the NSLDS subsequent to MSU's submission to the NSC. The NSC has added functionality providing the NSLDS an additional Student Status Confirmation Report (SSCR) response at mid-month and MSU is regularly utilizing this mid-month response opportunity. The changes implemented by the NSC have eliminated the time delay and resulted in the NSLDS receiving MSU's files within the 60 day requirement for timely reporting.

Position of Responsible Official - University Registrar, Office of the Registrar

Date Completed - January 2017