

# **Michigan State University**

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**Federal Awards  
Supplemental Information  
June 30, 2017**

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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 basic financial statements of Michigan State University (the "University") and its discretely presented component unit as of and for the year ended June 30, 2017 and the related notes to the financial statements, which collectively comprise the University's basic financial statements. We issued our report thereon dated October 26, 2017, 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 basic 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 26, 2017. 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 basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic 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*

January 8, 2018

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 basic financial statements of Michigan State University (the "University") and its discretely presented component unit as of and for the year ended June 30, 2017, 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 26, 2017. 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 the Michigan State University's 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 26, 2017

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, 2017. 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 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, 2017.

***Management's Responsibility***

Management is responsible for compliance with federal statutes, regulations, and the terms and conditions of its federal awards applicable to 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, 2017.

### **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 a 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. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

To the Board of Trustees  
Michigan State University

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*

January 8, 2018

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster:</b>						
Agriculture	Direct	10	16-JV-11242305-055	USDA - FOREST SERVICE	\$ 76,889	\$ -
Agriculture	Direct	10	16-TMMSD-MI-0005	USDA - AGRI MARKETING SERV US	42,171	-
Agriculture	Direct	10	2017-JV-11261952-012	USDA - FOREST SERVICE	19,723	-
Agriculture	Direct	10.001	11-JV-11242306-058	USDA - FOREST SERVICE	5,043	-
Agriculture	Direct	10.001	12-CS-11091000-015	USDA - FOREST SERVICE	25,066	-
Agriculture	Direct	10.001	12-JV-11242302-114	USDA - FOREST SERVICE	(4,112)	-
Agriculture	Direct	10.001	12-JV-11242306-067	USDA - FOREST SERVICE	110,802	-
Agriculture	Direct	10.001	14-CS-11052007-030	USDA - FOREST SERVICE	76,458	-
Agriculture	Direct	10.001	14-JV-11272139-016	USDA - FOREST SERVICE	28,780	-
Agriculture	Direct	10.001	14-PA-11091000-020	USDA - FOREST SERVICE	31,993	-
Agriculture	Direct	10.001	15-CS-11090400-21	USDA - FOREST SERVICE	1,633	-
Agriculture	Direct	10.001	15-TMXXX-MI-0002	USDA - AGRI MARKETING SERV US	56,783	-
Agriculture	Direct	10.001	58-1265-2-036	USDA - AGRI RESEARCH SERV US D	41,574	-
Agriculture	Direct	10.001	58-1910-4-012	USDA - AGRI RESEARCH SERV US D	2,085	-
Agriculture	Direct	10.001	58-3060-5-033	USDA - AGRI RESEARCH SERV US D	28,523	-
Agriculture	Direct	10.001	58-3060-6-031	USDA - AGRI RESEARCH SERV US D	13,153	-
Agriculture	Direct	10.001	58-3607-3-985	USDA - AGRI RESEARCH SERV US D	12,603	-
Agriculture	Direct	10.001	58-3655-2-635	USDA - AGRI RESEARCH SERV US D	4,886	-
Agriculture	Direct	10.001	58-3655-4-042	USDA - AGRI RESEARCH SERV US D	70,820	-
Agriculture	Direct	10.001	58-3655-4-044	USDA - AGRI RESEARCH SERV US D	14,299	-
Agriculture	Direct	10.001	58-5050-5-010	USDA - AGRI RESEARCH SERV US D	6,987	-
Agriculture	Direct	10.001	58-5050-5-011	USDA - AGRI RESEARCH SERV US D	(6,386)	-
Agriculture	Direct	10.001	58-5050-5-012	USDA - AGRI RESEARCH SERV US D	27,475	-
Agriculture	Direct	10.001	58-5050-5-013	USDA - AGRI RESEARCH SERV US D	6,771	-
Agriculture	Direct	10.001	58-5050-5-014	USDA - AGRI RESEARCH SERV US D	15,967	-
Agriculture	Direct	10.001	58-5050-5-015	USDA - AGRI RESEARCH SERV US D	5,129	-
Agriculture	Direct	10.001	58-5050-5-016	USDA - AGRI RESEARCH SERV US D	65,194	-
Agriculture	Direct	10.001	58-5050-6-002	USDA - AGRI RESEARCH SERV US D	10,007	-
Agriculture	Direct	10.001	58-5050-6-008	USDA - AGRI RESEARCH SERV US D	202,729	-
Agriculture	Direct	10.001	58-5050-6-009	USDA - AGRI RESEARCH SERV US D	96,423	-
Agriculture	Direct	10.001	58-5050-7-002	USDA - AGRI RESEARCH SERV US D	13,658	-
Agriculture	Direct	10.001	58-5080-5-009	USDA - AGRI RESEARCH SERV US D	13,982	-
Agriculture	Direct	10.001	58-5090-5-066	USDA - AGRI RESEARCH SERV US D	12,991	-
Agriculture	Direct	10.001	58-512-6-022	USDA - AGRI RESEARCH SERV US D	5,490	-
Agriculture	Direct	10.001	58-5366-3-013	USDA - AGRI RESEARCH SERV US D	4,842	-
Agriculture	Direct	10.001	58-5442-4-016	USDA - AGRI RESEARCH SERV US D	62,729	-
Agriculture	Direct	10.001	58-6040-5-020	USDA - AGRI RESEARCH SERV US D	820	-
Agriculture	Direct	10.001	58-6040-6-015	USDA - AGRI RESEARCH SERV US D	6,375	-
Agriculture	Direct	10.001	58-6040-6-021	USDA - AGRI RESEARCH SERV US D	24,948	-
Agriculture	Direct	10.001	58-6040-6-029	USDA - AGRI RESEARCH SERV US D	38,080	-
Agriculture	Direct	10.001	58-6040-7-006	USDA - AGRI RESEARCH SERV US D	7,952	-
Agriculture	Direct	10.001	58-8010-5-020	USDA - AGRI RESEARCH SERV US D	52,795	-
Agriculture	Direct	10.001	58-8030-6-004	USDA - AGRI RESEARCH SERV US D	29,299	-
Agriculture	Direct	10.001	58-8060-6-009	USDA - AGRI RESEARCH SERV US D	1,088	-
Agriculture	Direct	10.001	58-8062-5-036	USDA - AGRI RESEARCH SERV US D	120,381	-
Agriculture	Direct	10.001	59-0206-1-114	USDA - AGRI RESEARCH SERV US D	(233)	-
Agriculture	Direct	10.001	59-0206-4-001	USDA - AGRI RESEARCH SERV US D	109,664	-
Agriculture	Direct	10.001	59-0206-4-008	USDA - AGRI RESEARCH SERV US D	66,917	-
Agriculture	Direct	10.001	59-0206-6-003	USDA - AGRI RESEARCH SERV US D	84,465	-
Agriculture	Direct	10.001	59-0206-6-004	USDA - AGRI RESEARCH SERV US D	30,348	-
Agriculture	Direct	10.001	59-0206-6-004	USDA - AGRI RESEARCH SERV US D	29,127	-
Agriculture	Direct	10.001	59-3040-5-001	USDA - AGRI RESEARCH SERV US D	46,221	-
Agriculture	Direct	10.001	59-5012-6-001	USDA - AGRI RESEARCH SERV US D	55,014	-
Agriculture	Direct	10.001	59-5050-6-001	USDA - AGRI RESEARCH SERV US D	7,267	-
Agriculture	Direct	10.001	59-5090-5-004	USDA - AGRI RESEARCH SERV US D	52,960	-
Agriculture	Direct	10.001	59-6070-7-009	USDA - AGRI RESEARCH SERV US D	31,708	-
Agriculture	Direct	10.001	USDA ARS 58-5442-4-017 Chilvers	USDA - AGRI RESEARCH SERV US D	4,496	-
Agriculture	Direct	10.001	USDAARS 59-0206-4-037 Nagelkirk	USDA - AGRI RESEARCH SERV US D	18,487	-
Agriculture	Direct	10.025	15-8130-0024-CA	USDA - ANIMAL AND PLT HTL INSP	31,472	-
Agriculture	Direct	10.025	15-8130-0254-CA	USDA - ANIMAL AND PLT HTL INSP	207,648	87,417
Agriculture	Direct	10.025	15-8130-0254-CA	USDA - ANIMAL AND PLT HTL INSP	39,313	42,927
Agriculture	Direct	10.025	15-8130-0324-CA	USDA - ANIMAL AND PLT HTL INSP	71,610	-
Agriculture	Direct	10.025	15-8130-0540-CA	USDA - ANIMAL AND PLT HTL INSP	12,558	-
Agriculture	Direct	10.025	15-8226-1001-CA	USDA - ANIMAL AND PLT HTL INSP	4,971	-
Agriculture	Direct	10.025	15-9419-0287-CA	USDA - ANIMAL AND PLT HTL INSP	1,430	-
Agriculture	Direct	10.025	15-9419-0332	USDA - ANIMAL AND PLT HTL INSP	2,333	-
Agriculture	Direct	10.025	16-8130-0024-CA	USDA - ANIMAL AND PLT HTL INSP	123,783	-
Agriculture	Direct	10.025	16-8130-0666-CA	USDA - ANIMAL AND PLT HTL INSP	92,840	-
Agriculture	Direct	10.025	16-8226-1001-CA	USDA - ANIMAL AND PLT HTL INSP	12,064	-
Agriculture	Direct	10.025	AP17PQ5&T00C002	USDA - ANIMAL AND PLT HTL INSP	864	-
Agriculture	Direct	10.025	AP17PQ5&T00C017	USDA - ANIMAL AND PLT HTL INSP	3,438	-
Agriculture	Direct	10.028	14-7488-1077-CA	USDA - ANIMAL AND PLT HTL INSP	(1,949)	-
Agriculture	Direct	10.028	USDA APHIS 15-7488-1077-CA Campa	USDA - ANIMAL AND PLT HTL INSP	42,777	-
Agriculture	Direct	10.156	16FSMIRM0007	USDA - FEDERAL STATE MARKETING IMPROVEMENT PROGRAM	17,674	-
Agriculture	Direct	10.164	15-TMXXX-MI-0001	USDA - AGRI MARKETING SERV US	39,159	-
Agriculture	Direct	10.164	16-TMMSD-MI-0012	USDA - AGRI MARKETING SERV US	28,161	-
Agriculture	Direct	10.200	2012-39571-20296	USDA - NATIONAL INSTITUTE OF F	315,693	271,986
Agriculture	Direct	10.200	2012-39571-20296	USDA - NATIONAL INSTITUTE OF F	(406)	-
Agriculture	Direct	10.200	2013-34381-21204	USDA - NATIONAL INSTITUTE OF F	7,500	-
Agriculture	Direct	10.200	2013-39573-21477	USDA - NATIONAL INSTITUTE OF F	19,303	-
Agriculture	Direct	10.200	2013-41530-21320	USDA - NATIONAL INSTITUTE OF F	1,847	-
Agriculture	Direct	10.200	2014-34141-22487	USDA - NATIONAL INSTITUTE OF F	261,736	221,285
Agriculture	Direct	10.200	2014-34383-22030	USDA - NATIONAL INSTITUTE OF F	14,949	-
Agriculture	Direct	10.200	2014-34383-22030	USDA - NATIONAL INSTITUTE OF F	667	-
Agriculture	Direct	10.200	2014-39586-22374	USDA - NATIONAL INSTITUTE OF F	1,365	-
Agriculture	Direct	10.200	2015-34383-23852	USDA - NATIONAL INSTITUTE OF F	2,182,476	11,250
Agriculture	Direct	10.200	2016-34141-25707	USDA - NATIONAL INSTITUTE OF F	145,706	45,730
Agriculture	Direct	10.200	2016-70007-25756	USDA - NATIONAL INSTITUTE OF F	53,721	-
Agriculture	Direct	10.202	MCINTIRE-STENNIS FRINGE DIR	USDA - NATIONAL INSTITUTE OF F	61,351	-
Agriculture	Direct	10.202	M-S 6011 Landscape Walters FOR	USDA - NATIONAL INSTITUTE OF F	57,575	-
Agriculture	Direct	10.202	M-S 6021 Rothstein FOR	USDA - NATIONAL INSTITUTE OF F	31,093	-
Agriculture	Direct	10.202	R02073 MCF MACFARLANE FOR	USDA - NATIONAL INSTITUTE OF F	22,525	-
Agriculture	Direct	10.202	R06009 M-S Kamdem PKG	USDA - NATIONAL INSTITUTE OF F	41,836	-
Agriculture	Direct	10.202	R06013 M-S Matuana PKG	USDA - NATIONAL INSTITUTE OF F	14,170	-
Agriculture	Direct	10.202	R06015 M-S Finley Retention FOR	USDA - NATIONAL INSTITUTE OF F	36,987	-
Agriculture	Direct	10.202	R06024 M-S Han HRT	USDA - NATIONAL INSTITUTE OF F	41,738	-
Agriculture	Direct	10.202	RADFOR MCF UPTIC Project FOR	USDA - NATIONAL INSTITUTE OF F	38,131	-
Agriculture	Direct	10.203	FED HATCH OPERATING-DIR	USDA - NATIONAL INSTITUTE OF F	38,453	-
Agriculture	Direct	10.203	FED HATCH SALARIES - AEC	USDA - NATIONAL INSTITUTE OF F	302,255	-
Agriculture	Direct	10.203	FED HATCH SALARIES - ANS	USDA - NATIONAL INSTITUTE OF F	660,043	-
Agriculture	Direct	10.203	Fed Hatch Salaries - PSM	USDA - NATIONAL INSTITUTE OF F	1,154,305	-

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
Agriculture	Direct	10.203	FED HATCH SALARIES-ADMIN	USDA - NATIONAL INSTITUTE OF F	\$ 120	\$ -
Agriculture	Direct	10.203	Fed Hatch Salaries-BAE	USDA - NATIONAL INSTITUTE OF F	394,489	-
Agriculture	Direct	10.203	FED HATCH SALARIES-DIR	USDA - NATIONAL INSTITUTE OF F	212,701	-
Agriculture	Direct	10.203	FED HATCH SALARIES-ENT	USDA - NATIONAL INSTITUTE OF F	189,451	-
Agriculture	Direct	10.203	FED HATCH SALARIES-FSHN	USDA - NATIONAL INSTITUTE OF F	167,866	-
Agriculture	Direct	10.203	FED HATCH SALARIES-HRT	USDA - NATIONAL INSTITUTE OF F	958,397	-
Agriculture	Direct	10.203	FED HATCH SALARIES-LMO	USDA - NATIONAL INSTITUTE OF F	196,524	-
Agriculture	Direct	10.203	FED MULTISTATE RSCH SAL DIR	USDA - NATIONAL INSTITUTE OF F	53,987	-
Agriculture	Direct	10.203	HATCH FRINGE DIR	USDA - NATIONAL INSTITUTE OF F	1,017,183	-
Agriculture	Direct	10.203	MULTISTATE FRINGE DIR	USDA - NATIONAL INSTITUTE OF F	148,270	-
Agriculture	Direct	10.203	R00LMO HATCH CLARKSVILLE LMO	USDA - NATIONAL INSTITUTE OF F	13,569	-
Agriculture	Direct	10.203	R00LMO HATCH UNIV FARMS LMO	USDA - NATIONAL INSTITUTE OF F	26,365	-
Agriculture	Direct	10.203	R01305 MRF NC-140 G. LANG HRT	USDA - NATIONAL INSTITUTE OF F	483	-
Agriculture	Direct	10.203	R04003 MRF NC-1029 Siegford ANS	USDA - NATIONAL INSTITUTE OF F	2,788	-
Agriculture	Direct	10.203	R04069 MRF NE-1044 UTSUMI KBS	USDA - NATIONAL INSTITUTE OF F	7,352	-
Agriculture	Direct	10.203	R04079 MRF NC-1194 Alocija BAE	USDA - NATIONAL INSTITUTE OF F	(184)	-
Agriculture	Direct	10.203	R04082 MRF NC-1191 Sprague PSM	USDA - NATIONAL INSTITUTE OF F	3,913	-
Agriculture	Direct	10.203	R04087 MRF PhotosynQ, TerAvest PRL	USDA - NATIONAL INSTITUTE OF F	19,334	-
Agriculture	Direct	10.203	R04088 MRF NE-1049 SKIDMORE AFRE	USDA - NATIONAL INSTITUTE OF F	5,083	-
Agriculture	Direct	10.203	R04089 MRF NE-1048 Sordillo LACS	USDA - NATIONAL INSTITUTE OF F	(182)	-
Agriculture	Direct	10.203	R04092 MRF W-3133 HOEHN AFRE	USDA - NATIONAL INSTITUTE OF F	32,197	-
Agriculture	Direct	10.203	R04093 MRF W-3122 Pestka FSHN	USDA - NATIONAL INSTITUTE OF F	38,418	-
Agriculture	Direct	10.203	R04101 MRF NE-1336 Beaudry HRT	USDA - NATIONAL INSTITUTE OF F	65,223	-
Agriculture	Direct	10.203	R04102 MRF Equipment Strasburg FSHN	USDA - NATIONAL INSTITUTE OF F	56,700	-
Agriculture	Direct	10.203	R04105 MRF NC-2042 Beede ANS	USDA - NATIONAL INSTITUTE OF F	40,491	-
Agriculture	Direct	10.203	R04108 MRF NC-2040 Vandehaar ANS	USDA - NATIONAL INSTITUTE OF F	21,252	-
Agriculture	Direct	10.203	R04109 MRF W-3177 Ortega AFRE	USDA - NATIONAL INSTITUTE OF F	28,967	-
Agriculture	Direct	10.203	R04112 MRF W-3168 Olson PSM	USDA - NATIONAL INSTITUTE OF F	14,467	-
Agriculture	Direct	10.203	R04113 MRF S-1041 Lira CHEM ENGR	USDA - NATIONAL INSTITUTE OF F	16,954	-
Agriculture	Direct	10.203	R04114 MRF NRSP-8 Ernst ANS	USDA - NATIONAL INSTITUTE OF F	35,891	-
Agriculture	Direct	10.203	R04115 MRF S-1032 Powers-Schilling ANS	USDA - NATIONAL INSTITUTE OF F	12,210	-
Agriculture	Direct	10.203	R04119 MRF NC-1177 Wolf AFRE	USDA - NATIONAL INSTITUTE OF F	34,918	-
Agriculture	Direct	10.203	R04121 MRF NC-1182 Cassida PSM	USDA - NATIONAL INSTITUTE OF F	9,814	-
Agriculture	Direct	10.203	R04126 MRF Donahue IWR	USDA - NATIONAL INSTITUTE OF F	68,269	3,734
Agriculture	Direct	10.203	R04126 MRF Ines PSM	USDA - NATIONAL INSTITUTE OF F	1,391	-
Agriculture	Direct	10.203	R04129 MRF NRSP-3 Kobe FOR	USDA - NATIONAL INSTITUTE OF F	90,251	-
Agriculture	Direct	10.203	R04129 MRF Nzokou FOR	USDA - NATIONAL INSTITUTE OF F	31,240	-
Agriculture	Direct	10.203	R04131 MRF NC-1179 Andresen GEO	USDA - NATIONAL INSTITUTE OF F	32,905	-
Agriculture	Direct	10.203	R04136 MRF NC-1184 Strasburg FSHN	USDA - NATIONAL INSTITUTE OF F	16,278	-
Agriculture	Direct	10.203	R04137 MRF NC-1100 Loveridge AFRE	USDA - NATIONAL INSTITUTE OF F	29,319	-
Agriculture	Direct	10.203	R04137 MRF NC-1100 Loveridge Salary AFRE	USDA - NATIONAL INSTITUTE OF F	3,515	-
Agriculture	Direct	10.203	R04138 MRF NC-1186 Fernandez HRT	USDA - NATIONAL INSTITUTE OF F	13,112	-
Agriculture	Direct	10.203	R04139 MRF S-1065 Behe HRT	USDA - NATIONAL INSTITUTE OF F	14,744	-
Agriculture	Direct	10.203	R04142 MRF NE-1544 Utsumi KBS	USDA - NATIONAL INSTITUTE OF F	25,029	-
Agriculture	Direct	10.203	R04147 MRF NC-1203 Hoffman-Benning BMB	USDA - NATIONAL INSTITUTE OF F	7,323	-
Agriculture	Direct	10.203	R04148 MRF NC-1194 Alocija BAE	USDA - NATIONAL INSTITUTE OF F	11,816	-
Agriculture	Direct	10.203	R04149 MRF NC-1029 Siegford ANS	USDA - NATIONAL INSTITUTE OF F	14,537	-
Agriculture	Direct	10.203	R04153 MRF NC-1196 Raven CSUS	USDA - NATIONAL INSTITUTE OF F	12,677	-
Agriculture	Direct	10.203	RRF-NC100, 881 DIR	USDA - NATIONAL INSTITUTE OF F	151,664	-
Agriculture	Direct	10.207	ANIMAL HEALTH FRINGE DIR	USDA - NATIONAL INSTITUTE OF F	12,669	-
Agriculture	Direct	10.207	R06503 A-H Meek PDI	USDA - NATIONAL INSTITUTE OF F	15,078	-
Agriculture	Direct	10.207	R06506 A-H Erskine LACS	USDA - NATIONAL INSTITUTE OF F	15,985	-
Agriculture	Direct	10.207	R06507 A-H Sordillo LACS	USDA - NATIONAL INSTITUTE OF F	21,413	-
Agriculture	Direct	10.207	R06509 A-H Equipment Veiga-Lopez ANS	USDA - NATIONAL INSTITUTE OF F	(5,619)	-
Agriculture	Direct	10.207	R06509 A-H Veiga-Lopez ANS	USDA - NATIONAL INSTITUTE OF F	9,342	-
Agriculture	Direct	10.215	H004403705	USDA - NATIONAL INSTITUTE OF F	115,509	-
Agriculture	Direct	10.219	2013-33522-21090	USDA - NATIONAL INSTITUTE OF F	133,529	-
Agriculture	Direct	10.219	2013-33522-21090	USDA - NATIONAL INSTITUTE OF F	125,359	-
Agriculture	Direct	10.250	58-1000-4-0051	USDA - AGRI RESEARCH SERV US D	4,742	-
Agriculture	Direct	10.250	59-6000-6-0067	USDA - AGRI RESEARCH SERV US D	8,499	-
Agriculture	Direct	10.303	2011-51110-31027	USDA - NATIONAL INSTITUTE OF F	48,163	39,597
Agriculture	Direct	10.303	2011-51110-31027	USDA - NATIONAL INSTITUTE OF F	45,403	-
Agriculture	Direct	10.303	2011-51110-31027	USDA - NATIONAL INSTITUTE OF F	38,727	-
Agriculture	Direct	10.303	2011-51110-31027	USDA - NATIONAL INSTITUTE OF F	23,961	-
Agriculture	Direct	10.303	2011-51110-31027	USDA - NATIONAL INSTITUTE OF F	18,127	-
Agriculture	Direct	10.303	2011-51110-31104	USDA - NATIONAL INSTITUTE OF F	124,844	77,463
Agriculture	Direct	10.303	2013-51106-20944	USDA - NATIONAL INSTITUTE OF F	72,377	-
Agriculture	Direct	10.303	2013-51130-21489	USDA - NATIONAL INSTITUTE OF F	(92,476)	-
Agriculture	Direct	10.303	2013-51150-20935	USDA - NATIONAL INSTITUTE OF F	(1,208)	-
Agriculture	Direct	10.303	2014-51150-22095	USDA - NATIONAL INSTITUTE OF F	95,756	-
Agriculture	Direct	10.303	2015-51150-23876	USDA - NATIONAL INSTITUTE OF F	99,801	96,207
Agriculture	Direct	10.303	2016-51102-25875	USDA - NATIONAL INSTITUTE OF F	118,231	-
Agriculture	Direct	10.303	2016-51150-25528	USDA - NATIONAL INSTITUTE OF F	27,143	11,575
Agriculture	Direct	10.304	2012-37620-19617	USDA - NATIONAL INSTITUTE OF F	243,627	201,759
Agriculture	Direct	10.304	2016-37620-25765	USDA - NATIONAL INSTITUTE OF F	306,682	213,660
Agriculture	Direct	10.307	2016-51300-25732	USDA - NATIONAL INSTITUTE OF F	27,908	13,200
Agriculture	Direct	10.307	USDA NIFA-2016-51300-25732-Brainard	USDA - NATIONAL INSTITUTE OF F	45,799	-
Agriculture	Direct	10.309	2011-51181-30666	USDA - NATIONAL INSTITUTE OF F	(1,468)	7,604
Agriculture	Direct	10.309	2012-51181-20105	USDA - NATIONAL INSTITUTE OF F	2,189,249	1,673,808
Agriculture	Direct	10.309	2012-51181-20105	USDA - NATIONAL INSTITUTE OF F	6,389	-
Agriculture	Direct	10.309	2014-51181-22378	USDA - NATIONAL INSTITUTE OF F	1,245,299	652,675
Agriculture	Direct	10.309	2014-51181-22380	USDA - NATIONAL INSTITUTE OF F	546,690	275,250
Agriculture	Direct	10.309	2015-51181-24256	USDA - NATIONAL INSTITUTE OF F	9,580	-
Agriculture	Direct	10.309	2015-51181-24256	USDA - NATIONAL INSTITUTE OF F	1,779	-
Agriculture	Direct	10.309	2015-51181-24285	USDA - NATIONAL INSTITUTE OF F	640,692	494,507
Agriculture	Direct	10.309	2015-51181-24285	USDA - NATIONAL INSTITUTE OF F	35,679	-
Agriculture	Direct	10.309	2015-51181-24285	USDA - NATIONAL INSTITUTE OF F	13,157	-
Agriculture	Direct	10.309	2015-51181-25405	USDA - NATIONAL INSTITUTE OF F	28,534	-
Agriculture	Direct	10.309	2016-51181-25411	USDA - NATIONAL INSTITUTE OF F	164,790	3,904
Agriculture	Direct	10.310	2011-67005-30004	USDA - NATIONAL INSTITUTE OF F	551,474	-
Agriculture	Direct	10.310	2011-67009-30137	USDA - NATIONAL INSTITUTE OF F	76,477	-
Agriculture	Direct	10.310	2011-67015-30338	USDA - NATIONAL INSTITUTE OF F	110,852	26,076
Agriculture	Direct	10.310	2011-67023-30872	USDA - NATIONAL INSTITUTE OF F	43,977	-
Agriculture	Direct	10.310	2011-68004-30340	USDA - NATIONAL INSTITUTE OF F	889,610	572,889
Agriculture	Direct	10.310	2012-67005-19666	USDA - NATIONAL INSTITUTE OF F	1,351	-
Agriculture	Direct	10.310	2012-67005-19666	USDA - NATIONAL INSTITUTE OF F	129	-
Agriculture	Direct	10.310	2012-67015-20498	USDA - NATIONAL INSTITUTE OF F	90,307	-
Agriculture	Direct	10.310	2012-67017-30181	USDA - NATIONAL INSTITUTE OF F	19,087	-
Agriculture	Direct	10.310	2013-67005-21189	USDA - NATIONAL INSTITUTE OF F	54,632	24,841
Agriculture	Direct	10.310	2013-67011-21281	USDA - NATIONAL INSTITUTE OF F	3,255	-
Agriculture	Direct	10.310	2013-67012-25269	USDA - NATIONAL INSTITUTE OF F	21,096	-

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
<b>Research and Development Cluster (Continued):</b>						
Agriculture	Direct	10.310	2013-67015-20962	USDA - NATIONAL INSTITUTE OF F	\$ 41,739	\$ -
Agriculture	Direct	10.310	2013-67017-21227	USDA - NATIONAL INSTITUTE OF F	105,459	-
Agriculture	Direct	10.310	2013-67019-2137	USDA - NATIONAL INSTITUTE OF F	118,188	40,569
Agriculture	Direct	10.310	2013-68004-20439	USDA - NATIONAL INSTITUTE OF F	537,195	211,022
Agriculture	Direct	10.310	2014-67009-22310	USDA - NATIONAL INSTITUTE OF F	146,295	88,814
Agriculture	Direct	10.310	2014-67015-21619	USDA - NATIONAL INSTITUTE OF F	77,145	-
Agriculture	Direct	10.310	2014-67015-21632	USDA - NATIONAL INSTITUTE OF F	39,976	-
Agriculture	Direct	10.310	2014-67015-21708	USDA - NATIONAL INSTITUTE OF F	115,751	-
Agriculture	Direct	10.310	2014-67015-21832	USDA - NATIONAL INSTITUTE OF F	140,901	22,304
Agriculture	Direct	10.310	2014-68004-21881	USDA - NATIONAL INSTITUTE OF F	117,614	-
Agriculture	Direct	10.310	2014-68004-21952	USDA - NATIONAL INSTITUTE OF F	186,528	8,765
Agriculture	Direct	10.310	2014-68004-21972	USDA - NATIONAL INSTITUTE OF F	224,348	-
Agriculture	Direct	10.310	2014-68006-21828	USDA - NATIONAL INSTITUTE OF F	89,015	-
Agriculture	Direct	10.310	2014-68006-21863	USDA - NATIONAL INSTITUTE OF F	103,525	43,863
Agriculture	Direct	10.310	2014-68006-21869	USDA - NATIONAL INSTITUTE OF F	113,468	-
Agriculture	Direct	10.310	2014-68006-21870	USDA - NATIONAL INSTITUTE OF F	112,532	-
Agriculture	Direct	10.310	2014-68006-21870	USDA - NATIONAL INSTITUTE OF F	30,600	-
Agriculture	Direct	10.310	2014-68006-21870	USDA - NATIONAL INSTITUTE OF F	16,543	-
Agriculture	Direct	10.310	2014-68006-21870	USDA - NATIONAL INSTITUTE OF F	5,306	-
Agriculture	Direct	10.310	2014-68006-21870	USDA - NATIONAL INSTITUTE OF F	(1,070)	-
Agriculture	Direct	10.310	2015-67013-22932	USDA - NATIONAL INSTITUTE OF F	190,384	79,669
Agriculture	Direct	10.310	2015-67013-23068	USDA - NATIONAL INSTITUTE OF F	179,919	-
Agriculture	Direct	10.310	2015-67015-23207	USDA - NATIONAL INSTITUTE OF F	144,057	-
Agriculture	Direct	10.310	2015-67017-23113	USDA - NATIONAL INSTITUTE OF F	6,354	-
Agriculture	Direct	10.310	2015-67019-23007	USDA - NATIONAL INSTITUTE OF F	150,929	73,324
Agriculture	Direct	10.310	2015-67028-23510	USDA - NATIONAL INSTITUTE OF F	53,432	-
Agriculture	Direct	10.310	2015-67028-23652	USDA - NATIONAL INSTITUTE OF F	83,189	-
Agriculture	Direct	10.310	2015-67030-25204	USDA - NATIONAL INSTITUTE OF F	86,048	4,550
Agriculture	Direct	10.310	2015-68001-23239	USDA - NATIONAL INSTITUTE OF F	743,831	315,321
Agriculture	Direct	10.310	2015-68003-23415	USDA - NATIONAL INSTITUTE OF F	724,730	316,462
Agriculture	Direct	10.310	2015-68007-23133	USDA - NATIONAL INSTITUTE OF F	871,194	118,493
Agriculture	Direct	10.310	2016-67011-24713	USDA - NATIONAL INSTITUTE OF F	54,795	-
Agriculture	Direct	10.310	2016-67011-24726	USDA - NATIONAL INSTITUTE OF F	46,795	-
Agriculture	Direct	10.310	2016-67011-25205	USDA - NATIONAL INSTITUTE OF F	42,712	-
Agriculture	Direct	10.310	2016-67012-25254	USDA - NATIONAL INSTITUTE OF F	65,723	-
Agriculture	Direct	10.310	2016-67015-24891	USDA - NATIONAL INSTITUTE OF F	102,426	14,047
Agriculture	Direct	10.310	2016-67015-24898	USDA - NATIONAL INSTITUTE OF F	228,051	-
Agriculture	Direct	10.310	2016-67017-24514	USDA - NATIONAL INSTITUTE OF F	171,236	-
Agriculture	Direct	10.310	2016-68004-24931	USDA - NATIONAL INSTITUTE OF F	615,230	395,194
Agriculture	Direct	10.310	2016-68004-24931	USDA - NATIONAL INSTITUTE OF F	653	-
Agriculture	Direct	10.310	2016-68006-24852	USDA - NATIONAL INSTITUTE OF F	117,506	20,864
Agriculture	Direct	10.310	2017-67007-25947	USDA - NATIONAL INSTITUTE OF F	19,356	-
Agriculture	Direct	10.310	2017-67011-26038	USDA - NATIONAL INSTITUTE OF F	14,976	-
Agriculture	Direct	10.310	2017-67011-26042	USDA - NATIONAL INSTITUTE OF F	20,035	-
Agriculture	Direct	10.310	2017-67011-26073	USDA - NATIONAL INSTITUTE OF F	18,403	-
Agriculture	Direct	10.310	2017-67011-26074	USDA - NATIONAL INSTITUTE OF F	2,368	-
Agriculture	Direct	10.310	2017-67013-26257	USDA - NATIONAL INSTITUTE OF F	14,906	-
Agriculture	Direct	10.310	2017-67015-26084	USDA - NATIONAL INSTITUTE OF F	152,849	-
Agriculture	Direct	10.310	2017-67015-26673	USDA - NATIONAL INSTITUTE OF F	19,275	-
Agriculture	Direct	10.310	2017-67015-26676	USDA - NATIONAL INSTITUTE OF F	9,164	-
Agriculture	Direct	10.310	2017-67017-26168	USDA - NATIONAL INSTITUTE OF F	1,419	-
Agriculture	Direct	10.310	2017-67017-26528	USDA - NATIONAL INSTITUTE OF F	8,957	-
Agriculture	Direct	10.310	2017-68004-26323	USDA - NATIONAL INSTITUTE OF F	81,086	-
Agriculture	Direct	10.310	3014-67003-21812	USDA - NATIONAL INSTITUTE OF F	137,274	95,484
Agriculture	Direct	10.310	USDA NIFA 2013-68004-20371 Coussens	USDA - NATIONAL INSTITUTE OF F	657,830	401,455
Agriculture	Direct	10.311	2015-70017-22856	USDA - NATIONAL INSTITUTE OF F	246,645	100,937
Agriculture	Direct	10.329	2014-70006-22522	USDA - NATIONAL INSTITUTE OF F	33,325	-
Agriculture	Direct	10.329	2015-70006-24280	USDA - NATIONAL INSTITUTE OF F	93,320	-
Agriculture	Direct	10.500	2013-41530-21320	USDA - NATIONAL INSTITUTE OF F	72	-
Agriculture	Direct	10.500	2013-48765-21544	USDA - NATIONAL INSTITUTE OF F	1,760,265	1,041,108
Agriculture	Direct	10.500	2015-41210-24205	USDA - NATIONAL INSTITUTE OF F	11,601	-
Agriculture	Direct	10.614	FE-CR-16-005	US DEPT OF AGRICULTURE	159,563	-
Agriculture	Direct	10.652	11-JV-11242305-082	USDA - FOREST SERVICE	28,575	-
Agriculture	Direct	10.652	13-JV-11242303-078	USDA - FOREST SERVICE	96,099	-
Agriculture	Direct	10.652	16-JV-11242306-101	USDA - FOREST SERVICE	24	-
Agriculture	Direct	10.652	16-PA-11272139-073	USDA - FOREST SERVICE	12,495	-
Agriculture	Direct	10.652	USDA 13-JV-11242306-055 Zhong	USDA - FOREST SERVICE	44,053	-
Agriculture	Direct	10.674	15-CA-11420004-084	USDA - FOREST SERVICE	71,896	-
Agriculture	Direct	10.678	11-JV-11242306-065	USDA - FOREST SERVICE	3,404	-
Agriculture	Direct	10.678	15-CS-11083601-002	USDA - FOREST SERVICE	106,206	-
Agriculture	Direct	10.678	15-CS-11083601-002	USDA - FOREST SERVICE	17,201	-
Agriculture	Direct	10.678	15-JV-11242303-067	USDA - FOREST SERVICE	27,160	-
Agriculture	Direct	10.678	15-JV-11242315-036	USDA - FOREST SERVICE	17,870	-
Agriculture	Direct	10.680	11-DG-11420004-060	USDA - FOREST SERVICE	(987)	-
Agriculture	Direct	10.680	14-CA-11420004-054	USDA - FOREST SERVICE	21,732	-
Agriculture	Direct	10.680	14-CA-11420004-061	USDA - FOREST SERVICE	1,938	-
Agriculture	Direct	10.680	14-CA-11420004-201	USDA - FOREST SERVICE	85,814	-
Agriculture	Direct	10.680	14-DG-11420004-059	USDA - FOREST SERVICE	34,992	-
Agriculture	Direct	10.680	14-JV-11242307-114	USDA - FOREST SERVICE	11,309	-
Agriculture	Direct	10.680	14-JV-11242313-149	USDA - FOREST SERVICE	3,801	-
Agriculture	Direct	10.680	15-CA-11420004-102	USDA - FOREST SERVICE	5,884	-
Agriculture	Direct	10.680	15-DG-11420004-222	USDA - FOREST SERVICE	53,039	-
Agriculture	Direct	10.680	16-CA-11420004-072	USDA - FOREST SERVICE	23,348	-
Agriculture	Direct	10.680	16-DG-11420004-081	USDA - FOREST SERVICE	220,121	-
Agriculture	Direct	10.680	USDA FS 11-DG-11420004-257 COGNATO	USDA - FOREST SERVICE	20,043	-
Agriculture	Direct	10.912	69-3A75-12-175	USDA-NATURAL RESOURCES CONSERVATION SERVICE	8,188	-
Agriculture	Direct	10.912	69-3A75-13-93	USDA-NATURAL RESOURCES CONSERVATION SERVICE	44,449	17,360
Agriculture	Direct	10.960	58-3148-1-113	FOREIGN AGRICULTURAL SERVICE	31,336	-
Agriculture	Direct	10.960	TA-CR-15-050-03	FOREIGN AGRICULTURAL SERVICE	106,879	-
Agriculture	Direct	10.960	TA-CR-16-017	FOREIGN AGRICULTURAL SERVICE	18,032	-
	<b>Direct Total</b>				<b>32,625,597</b>	<b>8,478,949</b>
Agriculture	Pass-through	10	080500.330397.01	MISSISSIPPI STATE UNIV	7,792	-
Agriculture	Pass-through	10.001	25-6235-0205-004	UNIVERSITY OF NEBRASKA LINCOLN	1,586	-
Agriculture	Pass-through	10.001	59-3655-2-619	UNIVERSITY OF WISCONSIN MADISON	(3,605)	-
Agriculture	Pass-through	10.001	59-3655-2-619	UNIVERSITY OF WISCONSIN MADISON	(7,225)	-
Agriculture	Pass-through	10.001	59-8062-6-0003	CORNELL UNIV	22,964	-
Agriculture	Pass-through	10.001	RUTGERS 2012-MI001-ARS WISE/CHEN	RUTGERS UNIV	29,300	-
Agriculture	Pass-through	10.025	791N6600347	MICHIGAN DEPARTMENT OF NATURAL	41,869	-
Agriculture	Pass-through	10.025	791N6600428	MI DEPT OF AG & RURAL DEVELOP	92,000	-
Agriculture	Pass-through	10.025	791N6600429	MI DEPT OF AG & RURAL DEVELOP	39,001	-
Agriculture	Pass-through	10.025	791N6600430	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	20,000	-

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
Agriculture	Pass-through	10.025	791N7700355	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	\$ 2,721	\$ -
Agriculture	Pass-through	10.025	791N7700356	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	39,804	-
Agriculture	Pass-through	10.025	791N7700375	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	4,309	-
Agriculture	Pass-through	10.025	791N7700376	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	8,609	-
Agriculture	Pass-through	10.025	G-06256-1	COLORADO STATE UNIV	2,217	-
Agriculture	Pass-through	10.170	544802-19057	VIRGINIA POLYTECHNIC INST	31	-
Agriculture	Pass-through	10.170	791N7700139	MICHIGAN CARROT COUNCIL	20,324	-
Agriculture	Pass-through	10.170	791N7700187	MICHIGAN CARROT COUNCIL	28,423	-
Agriculture	Pass-through	10.170	791N7700192	MICHIGAN ONION COMMITTEE	17,099	-
Agriculture	Pass-through	10.170	791N7700194	MICHIGAN STATE HORTICULTURAL SOCIETY	29,571	-
Agriculture	Pass-through	10.170	MBG MRKTG - MDARD - Isaacs	MBG MARKETING	29,481	-
Agriculture	Pass-through	10.170	Mi Asparagus	MICHIGAN ASPARAGUS ADVISORY BOARD	22	-
Agriculture	Pass-through	10.170	Optimizing Cover Crops	MICHIGAN CARROT COUNCIL	76,022	-
Agriculture	Pass-through	10.170	Spotted Wing Drosophila	MICHIGAN CHERRY COMMITTEE	14,318	-
Agriculture	Pass-through	10.200	416-41-151	IOWA STATE UNIV	2,631	-
Agriculture	Pass-through	10.200	5701-BSST-HAUSBECK	RUTGERS UNIV	(413)	-
Agriculture	Pass-through	10.200	5729-FB-Sundin	RUTGERS UNIV	2,928	-
Agriculture	Pass-through	10.200	5730-SWD-Isaacs	RUTGERS UNIV	15,558	-
Agriculture	Pass-through	10.200	5813-CB-Fulbright	RUTGERS UNIV	4,466	-
Agriculture	Pass-through	10.200	8000073491-AG	PURDUE UNIV	45,922	-
Agriculture	Pass-through	10.212	E3TEC LLC Biobased Plasticizers-Miller	E3TEC SERVICE LLC	33,000	-
Agriculture	Pass-through	10.212	SBIR Phase II	MIRTECH INC	22,764	-
Agriculture	Pass-through	10.215	410-40-33A	IOWA STATE UNIV	16,800	-
Agriculture	Pass-through	10.215	H003040104	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	19,597	-
Agriculture	Pass-through	10.215	H003679409	UNIVERSITY OF MINNESOTA	414	-
Agriculture	Pass-through	10.215	H004403726	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	57,728	-
Agriculture	Pass-through	10.215	H004403730	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	9,240	-
Agriculture	Pass-through	10.215	H004403737	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	6,282	-
Agriculture	Pass-through	10.215	H004991223	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	4,348	-
Agriculture	Pass-through	10.215	H004991225	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	1,709	-
Agriculture	Pass-through	10.215	H005722934	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	6,502	-
Agriculture	Pass-through	10.217	8000064677-AG	PURDUE UNIV	34,984	-
Agriculture	Pass-through	10.290	H006035703	UNIVERSITY OF MINNESOTA	3,493	-
Agriculture	Pass-through	10.307	4820	RUTGERS UNIV	5,446	-
Agriculture	Pass-through	10.307	73676-10347	CORNELL UNIV	65,908	-
Agriculture	Pass-through	10.307	73676-10347	CORNELL UNIV	61,513	-
Agriculture	Pass-through	10.307	73676-10347	CORNELL UNIV	25,331	-
Agriculture	Pass-through	10.307	RC293-636-5000865	UNIVERSITY OF GEORGIA	134,734	-
Agriculture	Pass-through	10.309	1762-207-2020386	CLEMSON UNIV	93,349	-
Agriculture	Pass-through	10.309	1762-207-2020386	CLEMSON UNIV	24,928	-
Agriculture	Pass-through	10.309	1762-207-2020386	CLEMSON UNIV	12,747	-
Agriculture	Pass-through	10.309	2012-1785-04	NORTH CAROLINA STATE UNIV	11,520	-
Agriculture	Pass-through	10.309	2017-0398-06	NORTH CAROLINA STATE UNIV	29,249	-
Agriculture	Pass-through	10.309	215-0228-11	NORTH CAROLINA STATE UNIV	292,323	-
Agriculture	Pass-through	10.309	350K840	UNIVERSITY OF WISCONSIN MADISON	3,172	-
Agriculture	Pass-through	10.309	6066-PP2016-Smitley	RUTGERS UNIV	52,414	-
Agriculture	Pass-through	10.309	64094-9753	CORNELL UNIV	25,413	-
Agriculture	Pass-through	10.309	64094-9753	CORNELL UNIV	16,683	-
Agriculture	Pass-through	10.309	64094-9753	CORNELL UNIV	12,446	-
Agriculture	Pass-through	10.309	73999-10421	CORNELL UNIV	105,645	-
Agriculture	Pass-through	10.309	8000076815-AG	PURDUE UNIV	13,207	-
Agriculture	Pass-through	10.309	RR722-418/8644587	UNIVERSITY OF GEORGIA	51,802	-
Agriculture	Pass-through	10.310	1210-1048-00-A	UNIVERSITY OF SOUTH FLORIDA	36,020	-
Agriculture	Pass-through	10.310	13-453 MSU	WEST VIRGINIA UNIV	8,767	-
Agriculture	Pass-through	10.310	13-AGR-373036-MSU	AUBURN UNIV	36,364	-
Agriculture	Pass-through	10.310	14-09-006	LOUISIANA STATE UNIV	29,758	-
Agriculture	Pass-through	10.310	20152118-01	UNIVERSITY OF CALIFORNIA DAVIS	43,041	-
Agriculture	Pass-through	10.310	201603566-06	UNIVERSITY OF CALIFORNIA DAVIS	27,887	-
Agriculture	Pass-through	10.310	288K805	UNIVERSITY OF WISCONSIN MADISON	(3,107)	-
Agriculture	Pass-through	10.310	28987Sub51696	UNIVERSITY OF VERMONT	6,824	-
Agriculture	Pass-through	10.310	3002559358	UNIVERSITY OF MICHIGAN	11,908	-
Agriculture	Pass-through	10.310	3TB462	SOUTH DAKOTA STATE UNIV	126,552	-
Agriculture	Pass-through	10.310	3TC453	SOUTH DAKOTA STATE UNIV	5,227	-
Agriculture	Pass-through	10.310	400998-5801	COLORADO SCHOOL OF MINES	72,411	-
Agriculture	Pass-through	10.310	416-40-63B	IOWA STATE UNIV	47,964	-
Agriculture	Pass-through	10.310	416-41-07B	IOWA STATE UNIV	1,922	-
Agriculture	Pass-through	10.310	422262-19057	VIRGINIA TECHNOLOGY	87,148	-
Agriculture	Pass-through	10.310	422517-19057	VIRGINIA POLYTECHNIC INST	23,043	-
Agriculture	Pass-through	10.310	517K296	UNIVERSITY OF WISCONSIN MADISON	4,409	-
Agriculture	Pass-through	10.310	60044923	OHIO STATE UNIV	24,865	-
Agriculture	Pass-through	10.310	71482287 59001279	UNIVERSITY OF CALIFORNIA SAN DIEGO	17,953	-
Agriculture	Pass-through	10.310	73706-10403	CORNELL UNIV	35,801	-
Agriculture	Pass-through	10.310	8000053332-AG	PURDUE UNIV	61,829	-
Agriculture	Pass-through	10.310	8000069354	PURDUE UNIV	25,407	-
Agriculture	Pass-through	10.310	BKK290-SB-005	UNIVERSITY OF IDAHO	80,915	-
Agriculture	Pass-through	10.310	C00034370-2	UNIVERSITY OF MISSOURI	(85)	-
Agriculture	Pass-through	10.310	C00050735-1	UNIVERSITY OF MISSOURI	36,943	-
Agriculture	Pass-through	10.310	H001897203	UNIVERSITY OF MINNESOTA	32,567	-
Agriculture	Pass-through	10.310	U Of M-3002559358-Gasteyer	UNIVERSITY OF MICHIGAN	23,727	-
Agriculture	Pass-through	10.329	076332-15448	UNIVERSITY OF ILLINOIS	1,599	-
Agriculture	Pass-through	10.329	128995_G003680	WASHINGTON STATE UNIV	7,158	-
Agriculture	Pass-through	10.329	Illinois USDA 2014-07306-19 Schutzki PSC	NORTH CENTRAL INTEGRATED PEST MANAGEMENT	8,303	-
Agriculture	Pass-through	10.500	200576-00001-290	UTAH STATE UNIV	6,970	-
Agriculture	Pass-through	10.500	H003703709	UNIVERSITY OF MINNESOTA	1,414	-
Agriculture	Pass-through	10.606	SA-13-006-USDA009N	TECHNOSERVE	96,149	11,856
Agriculture	Pass-through	10.664	P3-8b	US ENDOWMENT FOR FORESTRY & COMMUNITIES INC	18,191	-
Agriculture	Pass-through	10.664	US EFC-APP151743 - Matuana	US ENDOWMENT FOR FORESTRY & COMMUNITIES INC	30,602	-
Agriculture	Pass-through	10.674	App 148050	RENEWABLE RESOURCE SOLUTIONS	10,778	-
Agriculture	Pass-through	10.902	68-52KY-16-1050	USDA - INDIANA NATURAL RESOURCES CONSERVATION SERVICE	11,558	-
Agriculture	Pass-through	10.932	060915-1	NATURE CONSERVANCY THE	154,946	-
<b>Pass-through Total</b>					<b>3,096,444</b>	<b>11,856</b>
<b>Agriculture Total</b>					<b>35,722,041</b>	<b>8,490,805</b>
Commerce	Direct	11.303	06-66-05711-04	US ECONOMIC DEVELOPMENT ADMINISTRATION	56,938	-
Commerce	Direct	11.303	ED16CHI3030037	US ECONOMIC DEVELOPMENT ADMINISTRATION	107,627	-
Commerce	Direct	11.429	NA16NOS4290194	NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	17,765	-
Commerce	Direct	11.431	NA12OAR4310081	NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	18,593	-
Commerce	Direct	11.431	NA12OAR4310081	NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	15,267	-
Commerce	Direct	11.609	70NAB15H254	NATIONAL INST OF STANDARDS & TECHNOLOGY	73,007	-
Commerce	Direct	11.609	70NANB15H280	NATIONAL INST OF STANDARDS & TECHNOLOGY	167,887	-
Commerce	Direct	11.609	70NANB16H244	NATIONAL INST OF STANDARDS & TECHNOLOGY	27,644	-
Commerce	Direct	11.609	70NANB17H027	NATIONAL INST OF STANDARDS & TECHNOLOGY	5,816	-
<b>Direct Total</b>					<b>490,544</b>	<b>-</b>

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
Commerce	Pass-through	11	Coastal Dunes	MICHIGAN ENVIRONMENTAL COUNCIL	\$ 32	\$ -
Commerce	Pass-through	11.407	NA11NMF4070279	ILLINOIS DEPT OF NAT RESOURCES	10,602	-
Commerce	Pass-through	11.417	3003003042	UNIVERSITY OF MICHIGAN	33,168	-
Commerce	Pass-through	11.417	3003003182	UNIVERSITY OF MICHIGAN	44,434	-
Commerce	Pass-through	11.417	WSU14081	WAYNE STATE UNIV	20,672	-
Commerce	Pass-through	11.419	2015 CZM-MSU	NETWORKS NORTHWEST	37,674	-
Commerce	Pass-through	11.431	3001671117	UNIVERSITY OF MICHIGAN	(31,929)	-
Commerce	Pass-through	11.431	3003959776	UNIVERSITY OF MICHIGAN	20,518	-
Commerce	Pass-through	11.431	505075-78052	NORTHEASTERN UNIV	29,424	-
Commerce	Pass-through	11.432	3003314015	UNIVERSITY OF MICHIGAN	67,535	-
Commerce	Pass-through	11.432	3004178132	UNIVERSITY OF MICHIGAN	58,187	-
Commerce	Pass-through	11.438	15-FAA-367186-MSU	AUBURN UNIV	(158)	-
	<b>Pass-through Total</b>				<u>290,159</u>	<u>-</u>
<b>Commerce Total</b>					<u>780,703</u>	<u>-</u>
Defense	Direct	12	2017-1702020004	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	180,537	-
Defense	Direct	12	W912HQ-17-C-0006	US ARMY CORPS OF ENGINEERS	18,773	-
Defense	Direct	12	W912P6-16-C-0006	US ARMY CORPS OF ENGINEERS	223,008	-
Defense	Direct	12.010	ARMY CORP W912DR-17-2-0001 Cui	US ARMY CORPS OF ENGINEERS	4,274	-
Defense	Direct	12.116	FA9453-14-C-0215	AIR FORCE RESEARCH LABORATORY	96,497	-
Defense	Direct	12.116	HDTRA1-11-1-0061	DEFENSE US DEPT OF	7,917	-
Defense	Direct	12.116	W912HQ-12-C-0020	US DEPT OF THE ARMY	101,179	-
Defense	Direct	12.116	W912HQ-13-C-0071	US ARMY CORPS OF ENGINEERS	317,591	39,810
Defense	Direct	12.300	FA8750-16-2-0284	US DEPT OF THE ARMY	157,215	-
Defense	Direct	12.300	FA8750-17-4-0139	AIR FORCE RESEARCH LABORATORY	22,565	-
Defense	Direct	12.300	N00014-14-1-0216	NAVAL RESEARCH US OFFICE OF US	30,602	-
Defense	Direct	12.300	N00014-14-1-0631	NAVAL RESEARCH US OFFICE OF US	151,295	-
Defense	Direct	12.300	N00014-15-1-2005	NAVAL RESEARCH US OFFICE OF US	166,964	-
Defense	Direct	12.300	N00014-15-1-2070	NAVAL RESEARCH US OFFICE OF US	10,417	-
Defense	Direct	12.300	N00014-16-1-2109	NAVAL RESEARCH US OFFICE OF US	127,042	-
Defense	Direct	12.300	N00014-16-1-2457	NAVAL RESEARCH US OFFICE OF US	155,717	-
Defense	Direct	12.300	N00014-16-1-2760	NAVAL RESEARCH US OFFICE OF US	240,820	-
Defense	Direct	12.300	N00014-16-1-2841	NAVAL RESEARCH US OFFICE OF US	110,604	-
Defense	Direct	12.300	N00014-17-1-2265	NAVAL RESEARCH US OFFICE OF US	10,959	-
Defense	Direct	12.300	NAVY-N00014-17-1-2102-Yuan	NAVAL RESEARCH US OFFICE OF US	29,133	-
Defense	Direct	12.300	ONR - N00014-16-1-3051 Mukherjee	NAVAL RESEARCH US OFFICE OF US	52,699	-
Defense	Direct	12.300	W9126G-12-2-0020	US ARMY CORPS OF ENGINEERS	(116,401)	12,403
Defense	Direct	12.300	W9126G-13-2-0022	US ARMY CORPS OF ENGINEERS	92,859	-
Defense	Direct	12.300	W912G-14-2-0044	US DEPT OF THE ARMY	17,209	-
Defense	Direct	12.420	W81XWH-12-1-0418	US DEPT OF THE ARMY	24,569	8,404
Defense	Direct	12.420	W81XWH-14-1-0349	US DEPT OF THE ARMY	34,428	-
Defense	Direct	12.420	W81XWH-15-1-0018	US DEPT OF THE ARMY	215,416	-
Defense	Direct	12.420	W81XWH-15-1-0453	US DEPT OF THE ARMY	124,145	-
Defense	Direct	12.420	W81XWH-15-1-0454	US DEPT OF THE ARMY	25,064	-
Defense	Direct	12.420	W81XWH-15-1-0689	US DEPT OF THE ARMY	204,757	-
Defense	Direct	12.420	W81XWH-15-1-0689	US DEPT OF THE ARMY	51,224	-
Defense	Direct	12.420	W81XWH-16-1-0631	US DEPT OF DEFENSE	146,993	-
Defense	Direct	12.420	W81XWH-16-1-0676	US DEPT OF THE ARMY	107,687	-
Defense	Direct	12.420	W81XWH-16-1-0732	US DEPT OF THE ARMY	55,252	-
Defense	Direct	12.420	W81XWH-16-1-0735	US DEPT OF THE ARMY	117,069	-
Defense	Direct	12.431	ARO W911NF-14-1-0063 Swain	ARMY RESEARCH OFFICE U S	75,612	-
Defense	Direct	12.431	W911NF-12-1-0235	ARMY RESEARCH OFFICE U S	(133)	-
Defense	Direct	12.431	W911NF-14-1-0063	ARMY RESEARCH OFFICE U S	4,531	-
Defense	Direct	12.431	W911NF-14-1-0327	ARMY RESEARCH OFFICE U S	7,704	-
Defense	Direct	12.431	W911NF-15-1-0487	ARMY RESEARCH OFFICE U S	283,208	-
Defense	Direct	12.431	W911NF-17-1-0153	ARMY RESEARCH OFFICE U S	12,670	-
Defense	Direct	12.630	DOD HM04761510001 Liu	DEFENSE US DEPT OF	86,349	-
Defense	Direct	12.630	W911NF-14-1-0026	US DEPT OF THE ARMY	122,882	-
Defense	Direct	12.800	FA9550-11-1-010	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	187,945	-
Defense	Direct	12.800	FA9550-12-1-0343	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	182,686	-
Defense	Direct	12.800	FA9550-12-1-0455	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	(1)	-
Defense	Direct	12.800	FA9550-15-1-0224	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	250,313	-
Defense	Direct	12.800	FA9550-15-1-0282	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	209,341	-
Defense	Direct	12.800	FA9550-17-1-0150	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	36,166	-
Defense	Direct	12.901	H98230-15-1-0260	NATL SECURITY AGENCY	21,761	-
Defense	Direct	12.901	H98230-16-1-0031	NATL SECURITY AGENCY	31,238	-
Defense	Direct	12.901	H98230-16-1-0031	NATL SECURITY AGENCY	2,823	-
Defense	Direct	12.910	ARMY W56HZV-07-2-0001 TACOM HAQ	US DEPT OF THE ARMY	854	(686)
Defense	Direct	12.910	ARMY W56HZV-07-2-0001 TACOM HAQ	US DEPT OF THE ARMY	88	-
Defense	Direct	12.910	ARMY W56HZV-07-2-0001 TACOM HOOLE	US DEPT OF THE ARMY	33,167	-
Defense	Direct	12.910	DARPA D16AP00117 Hirn	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	112,558	-
Defense	Direct	12.910	FA8650-15-1-7525	AIR FORCE US DEPT OF	158,152	121,443
Defense	Direct	12.910	FA8650-16-1-7600	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	55,563	-
Defense	Direct	12.910	HR0011-15-2-0002	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	457,456	419,434
Defense	Direct	12.910	HR0011-15-2-0034	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	398,832	-
Defense	Direct	12.910	N66001-14-1-4038	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	269,389	-
	<b>Direct Total</b>				<u>6,317,233</u>	<u>600,808</u>
Defense	Pass-through	12	137253	JOHNS HOPKINS UNIV	50,985	-
Defense	Pass-through	12	2016-0443	MICHIGAN DEPT OF TRANSPORTATION	14,007	-
Defense	Pass-through	12	404-77-20	IOWA STATE UNIV	49,131	-
Defense	Pass-through	12	8217	MATECH GSM	10,803	-
Defense	Pass-through	12	CRE-MSU-01	CREATV MICROTCH INC	2,999	-
Defense	Pass-through	12	FA8650-16-C-1764-MSU	TECH-X CORPORATION	174,380	-
Defense	Pass-through	12	VEM-MSU-3	VIRTUAL EM INC	37,522	-
Defense	Pass-through	12.116	12-57114-02-C1	UNIVERSAL TECHNOLOGY CORP	18,046	-
Defense	Pass-through	12.116	13-57128-01-C1	UNIVERSAL TECHNOLOGY CORP	240,962	-
Defense	Pass-through	12.116	16-57412-06-C1	UNIVERSAL TECHNOLOGY CORP	38,565	-
Defense	Pass-through	12.116	4200876747	RAYTHEON COMPANY	457	-
Defense	Pass-through	12.116	45714.t.yonts: SCRTS-003	MATRIX RESEARCH INC	19,790	-
Defense	Pass-through	12.116	7000295420	MASSACHUSETTS INST OF TECHNOLOGY	133,183	-
Defense	Pass-through	12.116	8140000819	NORTHROP GRUMMAN CORP	245,147	-
Defense	Pass-through	12.116	DRC.MSU.IDIQ.RADIAEM.15 Task Order #001	RIVERSIDE RESEARCH	47,284	-
Defense	Pass-through	12.116	VEM-MSU-2	VIRTUAL EM, INC.	25,121	-
Defense	Pass-through	12.225	NCMS 201658-140851 Haq	NATIONAL CENTER FOR MANUFACTURING SCIENCE	14,520	-
Defense	Pass-through	12.300	28907001	UNIVERSITY OF MARYLAND	90,115	-
Defense	Pass-through	12.420	1(GG011705)	COLUMBIA UNIV	45,017	-
Defense	Pass-through	12.420	3004148034	UNIVERSITY OF MICHIGAN	18,367	-
Defense	Pass-through	12.420	731265	UNIVERSITY OF WASHINGTON	110	-
Defense	Pass-through	12.420	UWSC8721	UNIVERSITY OF WASHINGTON	60,697	-
Defense	Pass-through	12.431	00000834	BROWN UNIV	169,821	-
Defense	Pass-through	12.431	1003422051	UNIVERSITY OF UTAH	401,872	-
Defense	Pass-through	12.630	HM02101310002	NATL GEOSPATIAL-INTELLIGENCE A	32,145	-

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
Defense	Pass-through	12.800	3004148184	UNIVERSITY OF MICHIGAN	\$ 35,249	\$ -
Defense	Pass-through	12.800	NMC0155-01	NEW MEXICO CONSORTIUM	177,134	-
Defense	Pass-through	12.800	RFD1224336	OHIO STATE UNIV	54,770	-
Defense	Pass-through	12.910	079287-15764	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	17,582	-
Defense	Pass-through	12.910	1015 S TA037	UNIVERSITY OF CALIFORNIA LOS ANGELES	116,598	-
Defense	Pass-through	12.910	126.001	SIEMENS CORP	20,254	-
Defense	Pass-through	12.910	14-503	ARIZONA STATE UNIV	13,838	-
Defense	Pass-through	12.910	SUB00000006	RUTGERS UNIV	40,732	-
	<b>Pass-through Total</b>				<u>2,417,203</u>	<u>-</u>
<b>Defense Total</b>					<u>8,734,436</u>	<u>600,808</u>
Education	Direct	84.015	P0158140098	US DEPT OF EDUCATION	298,882	-
Education	Direct	84.021	P0218120017 - 15	US DEPT OF EDUCATION	9,209	-
Education	Direct	84.021	P0218120017 - 15	US DEPT OF EDUCATION	7,402	-
Education	Direct	84.200	P200A120149-14	US DEPT OF EDUCATION	89,107	-
Education	Direct	84.305	R305A110293	US DEPT OF EDUCATION	27,246	21,052
Education	Direct	84.305	R305A120416 - 15	US DEPT OF EDUCATION	64,574	-
Education	Direct	84.305	R305A150210 - 17	US DEPT OF EDUCATION	325,925	86,179
Education	Direct	84.305	R305A160049	US DEPT OF EDUCATION	160,501	-
Education	Direct	84.324	R324A150063 - 15A	US DEPT OF EDUCATION	388,643	-
	<b>Direct Total</b>				<u>1,371,489</u>	<u>107,231</u>
Education	Pass-through	84	APP 142705	ILLINOIS ACTION FOR CHILDREN	60,020	-
Education	Pass-through	84.004	S004D160011	INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS	14,741	-
Education	Pass-through	84.010	College Ambition APP147960	GOBEBIC ONTONAGON INTERMEDIATE SCHOOL DISTRICT	13,666	-
Education	Pass-through	84.010	Men of Promise	GOBEBIC ONTONAGON INTERMEDIATE SCHOOL DISTRICT	92,430	-
Education	Pass-through	84.048	173430-17133	MICHIGAN DEPT OF EDUCATION	74,478	-
Education	Pass-through	84.116	SP00012139-06	GEORGIA STATE UNIV	165,921	-
Education	Pass-through	84.126	MRSM-14-99004	MI DEPT OF HUMAN SERVICES	72,434	-
Education	Pass-through	84.133	282K741	UNIVERSITY OF WISCONSIN MADISON	3,339	-
Education	Pass-through	84.263	84.263B P000160361	UNIVERSITY OF WISCONSIN STOUT	48,428	-
Education	Pass-through	84.287	162122 - MSUEVAL	MICHIGAN DEPT OF EDUCATION	203,525	-
Education	Pass-through	84.287	172122-MSUEVAL	MICHIGAN DEPT OF EDUCATION	212,894	-
Education	Pass-through	84.305	0388700002	AMER INSTITUTES FOR RESEARCH	37,748	-
Education	Pass-through	84.305	130596	UNIVERSITY OF CONNECTICUT	84,167	-
Education	Pass-through	84.305	224640A	UNIVERSITY OF OREGON	64,247	-
Education	Pass-through	84.305	511140-02	TEACHERS COLLEGE COLUMBIA UNIV	19,779	-
Education	Pass-through	84.305	ED162A-A	OREGON STATE UNIV	22,958	-
Education	Pass-through	84.324	201501255-02	UNIVERSITY OF CALIFORNIA DAVIS	87,099	-
Education	Pass-through	84.324	Efficacy of Comprehensive	CANISIUS COLLEGE	29,948	-
Education	Pass-through	84.412	Able Change Pilot	ILLINOIS ACTION FOR CHILDREN	45,702	-
	<b>Pass-through Total</b>				<u>1,353,524</u>	<u>-</u>
<b>Education Total</b>					<u>2,725,013</u>	<u>107,231</u>
Energy	Direct	81.049	0016604	US DEPT OF ENERGY	80,007	-
Energy	Direct	81.049	DE-FG02-01ER15228	US DEPT OF ENERGY	131,752	-
Energy	Direct	81.049	DE-FG02-01ER15282	US DEPT OF ENERGY	151,758	-
Energy	Direct	81.049	DE-FG02-03ER41259	US DEPT OF ENERGY	62,237	-
Energy	Direct	81.049	DE-FG02-06ER15808	US DEPT OF ENERGY	88,610	-
Energy	Direct	81.049	DE-FG02-06ER15808	US DEPT OF ENERGY	49,767	-
Energy	Direct	81.049	DE-FG02-06ER46309	US DEPT OF ENERGY	220,410	-
Energy	Direct	81.049	DE-FG02-06ER46341	US DEPT OF ENERGY	(11,814)	-
Energy	Direct	81.049	DE-FG02-08ER15929	US DEPT OF ENERGY	141,295	24,560
Energy	Direct	81.049	DE-FG02-08ER41546	US DEPT OF ENERGY	171,646	-
Energy	Direct	81.049	DE-FG02-08ER41556	US DEPT OF ENERGY	62,003	-
Energy	Direct	81.049	DE-FG02-08ER41556	US DEPT OF ENERGY	1,398	-
Energy	Direct	81.049	DE-FG02-91ER20021	US DEPT OF ENERGY	2,908,825	-
Energy	Direct	81.049	DE-FG02-91ER20021	US DEPT OF ENERGY	10,587	-
Energy	Direct	81.049	DE-FG02-98ER14907	US DEPT OF ENERGY	106,247	-
Energy	Direct	81.049	DE-FG02-98ER41070	US DEPT OF ENERGY	(51)	-
Energy	Direct	81.049	DE-FG02-99ER62848	US DEPT OF ENERGY	326,448	-
Energy	Direct	81.049	DE-SC0000661	US DEPT OF ENERGY	89,975,306	1,337,870
Energy	Direct	81.049	DE-SC0001525	US DEPT OF ENERGY	208,671	-
Energy	Direct	81.049	DE-SC0002325	US DEPT OF ENERGY	175,073	-
Energy	Direct	81.049	DE-SC0004835	US DEPT OF ENERGY	16,834	-
Energy	Direct	81.049	DE-SC0006400	US DEPT OF ENERGY	85,512	-
Energy	Direct	81.049	DE-SC0006956	US DEPT OF ENERGY	11,912	-
Energy	Direct	81.049	DE-SC0007101	US DEPT OF ENERGY	154,791	-
Energy	Direct	81.049	DE-SC0007101	US DEPT OF ENERGY	(6,783)	-
Energy	Direct	81.049	DE-SC0008338	US DEPT OF ENERGY	34,826	6,785
Energy	Direct	81.049	DE-SC0008509	US DEPT OF ENERGY	142,608	-
Energy	Direct	81.049	DE-SC0008511	US DEPT OF ENERGY	88,777	-
Energy	Direct	81.049	DE-SC0008511	US DEPT OF ENERGY	56,302	-
Energy	Direct	81.049	DE-SC0009962	US DEPT OF ENERGY	164,425	6,554
Energy	Direct	81.049	DE-SC0010472	US DEPT OF ENERGY	69,971	-
Energy	Direct	81.049	DE-SC0010847	US DEPT OF ENERGY	237,818	16,238
Energy	Direct	81.049	DE-SC0013365	US DEPT OF ENERGY	184,337	-
Energy	Direct	81.049	DE-SC0013617	US DEPT OF ENERGY	133,278	-
Energy	Direct	81.049	DE-SC0014108	US DEPT OF ENERGY	229,975	-
Energy	Direct	81.049	DE-SC0014108	US DEPT OF ENERGY	181,857	-
Energy	Direct	81.049	DE-SC0014108	US DEPT OF ENERGY	115,311	-
Energy	Direct	81.049	DE-SC0014108	US DEPT OF ENERGY	7,545	-
Energy	Direct	81.049	DE-SC0014384	US DEPT OF ENERGY	2,115,812	92,888
Energy	Direct	81.049	DE-SC0014530	US DEPT OF ENERGY	213,807	-
Energy	Direct	81.049	DE-SC0014537	US DEPT OF ENERGY	798,721	-
Energy	Direct	81.049	DE-SC0015646	US DEPT OF ENERGY	(8,025)	-
Energy	Direct	81.049	DE-SC0015903	US DEPT OF ENERGY	122,437	-
Energy	Direct	81.049	DE-SC0015904	US DEPT OF ENERGY	106,626	-
Energy	Direct	81.049	DE-SC0016052	US DEPT OF ENERGY	136,584	-
Energy	Direct	81.049	DE-SC0017342	US DEPT OF ENERGY	32,023	-
Energy	Direct	81.049	DOE DE-FG02-98ER20305 BENNING	US DEPT OF ENERGY	233,562	-
Energy	Direct	81.049	DOE DE-SC0014554 Zegers	US DEPT OF ENERGY	490,735	102,948
Energy	Direct	81.049	DOE DE-SC0016948 Thoennesen	US DEPT OF ENERGY	106,862	-

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
Energy	Direct	81.049	FRIB DOE FUNDING	US DEPT OF ENERGY	\$ 13,836,318	\$ -
Energy	Direct	81.086	DE-EE0006424	US DEPT OF ENERGY	186,470	22,012
Energy	Direct	81.086	DE-EE0007803	US DEPT OF ENERGY	84,997	-
Energy	Direct	81.089	DE-FE0023315	US DEPT OF ENERGY	184,520	-
Energy	Direct	81.112	DE-NA0002574	US DEPT OF ENERGY	286	-
Energy	Direct	81.112	DE-NA0002847	US DEPT OF ENERGY	306,741	-
Energy	Direct	81.112	DE-NA0002923	US DEPT OF ENERGY	208,350	-
Energy	Direct	81.112	DE-NA0002924	US DEPT OF ENERGY	217,319	-
Energy	Direct	81.112	DE-NA0003221	US DEPT OF ENERGY	217,491	-
Energy	Direct	81.135	DE-AR0000455	US DEPT OF ENERGY	630,163	267,763
	<b>Direct Total</b>				<u>116,991,270</u>	<u>1,877,618</u>
Energy	Pass-through	81	16-P0616	JEFFERSON SCIENCE ASSOCIATES L	8,245	-
Energy	Pass-through	81	270062	BROOKHAVEN NATL LABORATORY	(7,202)	-
Energy	Pass-through	81	276363	LOS ALAMOS NATL LABORATORY	74,280	-
Energy	Pass-through	81	300839	BROOKHAVEN NATL LABORATORY	6,640	-
Energy	Pass-through	81	308720	BROOKHAVEN NATL LABORATORY	170,993	-
Energy	Pass-through	81	312011	BROOKHAVEN NATL LABORATORY	351,436	-
Energy	Pass-through	81	319838	LOS ALAMOS NATL LABORATORY	72,510	-
Energy	Pass-through	81	332574	LOS ALAMOS NATL LABORATORY	59,059	-
Energy	Pass-through	81	337256	PACIFIC NORTHWEST NATL LAB	34,857	-
Energy	Pass-through	81	3TP676	SOUTH DAKOTA STATE UNIV	1,210	-
Energy	Pass-through	81	3TP676	SOUTH DAKOTA STATE UNIV	951	-
Energy	Pass-through	81	404227	LOS ALAMOS NATL LABORATORY	52,671	-
Energy	Pass-through	81	6F-31063	ARGONNE NATIONAL LABORATORY	96,428	-
Energy	Pass-through	81	Joint Appt Hao	BROOKHAVEN SCIENCE ASSOC LLC	90,459	-
Energy	Pass-through	81	Joint Appt Peter Ostroumov	ARGONNE NATIONAL LABORATORY	33,295	-
Energy	Pass-through	81	N000199915	HONEYWELL CORP	185,756	-
Energy	Pass-through	81	N000216846	HONEYWELL CORP	63,642	-
Energy	Pass-through	81	TC572964	GENERAL MOTORS CORP	52,519	-
Energy	Pass-through	81.049	130300-5085053	HARVARD UNIV	313,622	-
Energy	Pass-through	81.049	145841	KOPESS BIOMASS SOLUTIONS LLC	55,924	-
Energy	Pass-through	81.049	17630-Z7181004	UNIVERSITY OF MARYLAND	131,507	-
Energy	Pass-through	81.049	2014-13	UNIVERSITY OF OKLAHOMA	121,992	-
Energy	Pass-through	81.049	3003805140	UNIVERSITY OF MICHIGAN	142,023	-
Energy	Pass-through	81.049	384H963	UNIVERSITY OF WISCONSIN MADISON	8,556,138	-
Energy	Pass-through	81.049	5103977	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	69,674	-
Energy	Pass-through	81.049	AGR2017 00021 - DE-SC0013233	EETEC SERVICE LLC	163,614	-
Energy	Pass-through	81.049	APP 128563-K3840	SHEAR FORM INC	1,669	-
Energy	Pass-through	81.049	NAMESFORLIFE STTR AMEND 1 GARRITY	NAMESFORLIFE LLC	71,397	-
Energy	Pass-through	81.049	RMD C15-25 Zegers	RADIATION MONITORING DEVICES INC	7,067	-
Energy	Pass-through	81.049	Translume/DOE Phase I SBIR Ringle	TRANSLUME, INC.	219,309	-
Energy	Pass-through	81.049	UHV-1501	UHV TECHNOLOGIES INC	67,998	-
Energy	Pass-through	81.086	CCS CORP-PA16-0349-5.3-01-Drzal	COLLABORATIVE COMPOSITE SOLUTIONS CORP	51,203	-
Energy	Pass-through	81.086	CCSD A16-0349-S005 Drzal	COLLABORATIVE COMPOSITE SOLUTIONS CORP	(77)	-
Energy	Pass-through	81.086	PA16-0349-3.1-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	5,126,706	-
Energy	Pass-through	81.086	PA16-0349-3.3-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	42,759	-
Energy	Pass-through	81.087	NGCA APP114981 MILLER	NATL CORN GROWERS ASSOCIATION	233,164	-
Energy	Pass-through	81.112	4-10469-28	CARNEGIE INST	73,345	-
Energy	Pass-through	81.112	S1924106 5108	RUTGERS UNIV	67,448	-
Energy	Pass-through	81.112	S1928815 5109	RUTGERS UNIV	182,686	-
Energy	Pass-through	81.113	00007638	UNIVERSITY OF CALIFORNIA BERKELEY	672,722	(219)
Energy	Pass-through	81.113	00009330	UNIVERSITY OF CALIFORNIA BERKELEY	149,105	-
	<b>Pass-through Total</b>				<u>17,868,744</u>	<u>(219)</u>
<b>Energy Total</b>					<u>134,860,014</u>	<u>1,877,399</u>
Environmental Protection Agency	Direct	66.001	EPA 83589201 Schock	US ENVIRONMENTAL PROTECTION AGENCY	315,498	-
Environmental Protection Agency	Direct	66.001	GL-00E00461-1	US ENVIRONMENTAL PROTECTION AGENCY	85,277	-
Environmental Protection Agency	Direct	66.469	GL-00E01294	US ENVIRONMENTAL PROTECTION AGENCY	45,983	-
Environmental Protection Agency	Direct	66.469	GL-00E01294	US ENVIRONMENTAL PROTECTION AGENCY	772	-
Environmental Protection Agency	Direct	66.509	83479701	US ENVIRONMENTAL PROTECTION AGENCY	437,288	437,288
Environmental Protection Agency	Direct	66.509	83479701	US ENVIRONMENTAL PROTECTION AGENCY	131,714	-
Environmental Protection Agency	Direct	66.509	83479701	US ENVIRONMENTAL PROTECTION AGENCY	110,285	-
Environmental Protection Agency	Direct	66.509	83479701	US ENVIRONMENTAL PROTECTION AGENCY	75,596	63,833
Environmental Protection Agency	Direct	66.509	83479701	US ENVIRONMENTAL PROTECTION AGENCY	2,454	2,453
Environmental Protection Agency	Direct	66.509	83579801	US ENVIRONMENTAL PROTECTION AGENCY	179,422	85,894
Environmental Protection Agency	Direct	66.509	83616801	US ENVIRONMENTAL PROTECTION AGENCY	11,643	-
Environmental Protection Agency	Direct	66.509	RD-83518301	US ENVIRONMENTAL PROTECTION AGENCY	15,410	1,306
Environmental Protection Agency	Direct	66.509	RD-83520301-1	US ENVIRONMENTAL PROTECTION AGENCY	193,688	-
Environmental Protection Agency	Direct	66.511	CR83422601	US ENVIRONMENTAL PROTECTION AGENCY	156,970	132,420
Environmental Protection Agency	Direct	66.516	83594101	US ENVIRONMENTAL PROTECTION AGENCY	13,454	-
Environmental Protection Agency	Direct	66.516	83676701	US ENVIRONMENTAL PROTECTION AGENCY	12,448	-
Environmental Protection Agency	Direct	66.951	00E01570-0	US ENVIRONMENTAL PROTECTION AGENCY	34,102	-
Environmental Protection Agency	Direct	66.951	00E01570-0	US ENVIRONMENTAL PROTECTION AGENCY	11,381	-
	<b>Direct Total</b>				<u>1,833,385</u>	<u>723,194</u>
Environmental Protection Agency	Pass-through	66	10006-7-105247	CH2M HILL	355,128	-
Environmental Protection Agency	Pass-through	66.469	15090802	MICHIGAN TECHNICAL RESEARCH INST	17,051	-
Environmental Protection Agency	Pass-through	66.469	APP# 150589	TIP OF THE MITT WATERSHED COUN	9,373	-
Environmental Protection Agency	Pass-through	66.469	Stewardship Network/EPA 143652 Gasteyer	THE STEWARDSHIP NETWORK	8,806	-
Environmental Protection Agency	Pass-through	66.509	2013-04551-02	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	59,822	-
Environmental Protection Agency	Pass-through	66.509	3002303905	UNIVERSITY OF MICHIGAN	3,416	-
Environmental Protection Agency	Pass-through	66.509	429-40-10D	IOWA STATE UNIV	1,951	-
Environmental Protection Agency	Pass-through	66.511	4109-79628	PURDUE UNIV	42,703	-
Environmental Protection Agency	Pass-through	66.608	OS83549201	MI ENVIRONMENTAL QUALITY	(3,594)	-
	<b>Pass-through Total</b>				<u>494,656</u>	<u>-</u>
<b>Environmental Protection Agency Total</b>					<u>2,328,041</u>	<u>723,194</u>
Federal Council on the Arts and Humanities	Direct	45.024	15-5500-7116	NATIONAL ENDOWMENT FOR THE ARTS	13,552	-
Federal Council on the Arts and Humanities	Direct	45.149	PW-51639-14	NATL ENDOWMENT FOR THE HUMANIT	60,278	-
Federal Council on the Arts and Humanities	Direct	45.161	RZ-51461-12	NATL ENDOWMENT FOR THE HUMANIT	62,922	38,713
Federal Council on the Arts and Humanities	Direct	45.163	NEH EH-50443-14 GIFFORD	NATL ENDOWMENT FOR THE HUMANIT	(11,349)	-
Federal Council on the Arts and Humanities	Direct	45.169	HK-50173-14	NATL ENDOWMENT FOR THE HUMANIT	89,975	-
	<b>Direct Total</b>				<u>215,378</u>	<u>38,713</u>
<b>Federal Council on the Arts and Humanities Total</b>					<u>215,378</u>	<u>38,713</u>
Health and Human Services	Direct	93	200-2016-89831	CENTERS FOR DISEASE CONTROL AND PREVENTION	1,319,493	-
Health and Human Services	Direct	93.103	FDA HHS-UF00046328 (P) Supp-Reams	FOOD & DRUG ADMINISTRATION	9,995	-
Health and Human Services	Direct	93.110	5 R40MC27704-03-00	HEALTH RESOURCES & SERVICES ADMINISTRATION	271,839	-
Health and Human Services	Direct	93.113	1K22ES026208-01A1	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	114,987	-
Health and Human Services	Direct	93.113	1R01ES024966-01A1 Revised	NATIONAL INST OF HEALTH	669,775	10,678
Health and Human Services	Direct	93.113	1R01ES027353-01A1	NATIONAL INST OF HEALTH	31,499	-
Health and Human Services	Direct	93.113	1R21ES027418-01	NATIONAL INST OF HEALTH	30,759	-
Health and Human Services	Direct	93.113	4R00ES024570-03	NATIONAL INST OF HEALTH	141,805	-

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
Health and Human Services	Direct	93.113	4R00ES024806-03	NATIONAL INST OF HEALTH	\$ 133,950	\$ -
Health and Human Services	Direct	93.113	4R01ES002520-29	NATIONAL INST OF HEALTH	191,338	-
Health and Human Services	Direct	93.113	5R01ES017537-07	NATIONAL INST OF HEALTH	287,277	56,285
Health and Human Services	Direct	93.113	5R01ES022302-03	NATIONAL INST OF HEALTH	479,789	210,291
Health and Human Services	Direct	93.113	5R01ES024064-02	NATIONAL INST OF HEALTH	508,260	-
Health and Human Services	Direct	93.113	5R21ES024470-02	NATIONAL INST OF HEALTH	105,527	12,909
Health and Human Services	Direct	93.113	5R21ES026022-02	NATIONAL INST OF HEALTH	292,704	174,777
Health and Human Services	Direct	93.113	5R25ES0250602-02	NATIONAL INST OF HEALTH	69,469	-
Health and Human Services	Direct	93.113	5T3ES007255-28	NATIONAL INST OF HEALTH	175,015	-
Health and Human Services	Direct	93.113	5T3ES007255-28	NATIONAL INST OF HEALTH	124,016	-
Health and Human Services	Direct	93.113	5T3ES007255-28	NATIONAL INST OF HEALTH	566	-
Health and Human Services	Direct	93.113	5U01ES019434-05	NATIONAL INST OF HEALTH	(1)	-
Health and Human Services	Direct	93.113	5U01ES020885-04	NATIONAL INST OF HEALTH	139,145	-
Health and Human Services	Direct	93.113	5U01ES026119-03	NATIONAL INST OF HEALTH	826,994	54,106
Health and Human Services	Direct	93.113	NIH-5R01ES024064-02 (P) -Atchison	NATIONAL INST OF HEALTH	2,500	-
Health and Human Services	Direct	93.113	RES024064A	NATIONAL INST OF HEALTH	27,728	-
Health and Human Services	Direct	93.121	1F32DE026346-01 revised	NATIONAL INST OF HEALTH	34,283	-
Health and Human Services	Direct	93.121	5R03DE023889-02	NATIONAL INST OF HEALTH	15,579	10,367
Health and Human Services	Direct	93.121	NIH FDE026346A (P) Hankenson	NATIONAL INST OF HEALTH	800	-
Health and Human Services	Direct	93.136	5R01CE002682-04	CENTERS FOR DISEASE CONTROL & PREVENTION	300,347	24,139
Health and Human Services	Direct	93.143	3P42RS004911-23S1	NATIONAL INST OF HEALTH	(707)	-
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	282,587	-
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	254,490	254,490
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	237,901	-
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	214,692	-
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	208,357	-
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	207,831	-
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	201,858	188,483
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	170,942	-
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	158,727	-
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	158,525	-
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	138,460	-
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	131,916	-
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	106,324	106,324
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	83,964	-
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	62,167	-
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	57,846	-
Health and Human Services	Direct	93.143	5PA2ES004911-26 Revised	NATIONAL INST OF HEALTH	49,019	49,019
Health and Human Services	Direct	93.172	5R00HG007065-04	NATIONAL INST OF HEALTH	207,890	-
Health and Human Services	Direct	93.172	5R01HG007060-03	NATIONAL INST OF HEALTH	284,837	-
Health and Human Services	Direct	93.173	1R21DC015550-01A1	NATIONAL INST OF HEALTH	7,697	-
Health and Human Services	Direct	93.173	5R01DC012315-04	NATIONAL INST OF HEALTH	528,212	156,672
Health and Human Services	Direct	93.173	5R03DC012434-03	NATIONAL INST OF HEALTH	17,006	-
Health and Human Services	Direct	93.173	7R21DC014238-03	NATIONAL INST OF HEALTH	103,494	88,400
Health and Human Services	Direct	93.213	1K99AT009156-01A1	NATIONAL INST OF HEALTH	81,980	-
Health and Human Services	Direct	93.213	3U19AT006057-01A1S1	NATIONAL INST OF HEALTH	1,041,078	-
Health and Human Services	Direct	93.213	5F32AT008761-02	NATIONAL INST OF HEALTH	44,974	-
Health and Human Services	Direct	93.213	5F32AT008761-02	NATIONAL INST OF HEALTH	7,734	-
Health and Human Services	Direct	93.213	5R01AT007695-05	NATIONAL INST OF HEALTH	436,358	108,712
Health and Human Services	Direct	93.213	NIH-RAT007695B (P)-McCabe	NATIONAL INST OF HEALTH	164,604	-
Health and Human Services	Direct	93.226	5R18HS020208-05	AGENCY FOR HEALTHCARE RESEARCH & QUALITY	367,842	74,066
Health and Human Services	Direct	93.226	5R21HS022335-02	AGENCY FOR HEALTHCARE RESEARCH & QUALITY	49,459	-
Health and Human Services	Direct	93.242	1R01MH111604-02	NATIONAL INST OF HEALTH	301,784	-
Health and Human Services	Direct	93.242	4R01MH093445-05	NATIONAL INST OF HEALTH	192,679	-
Health and Human Services	Direct	93.242	4R01MH096705-05	NATIONAL INST OF HEALTH	289,815	-
Health and Human Services	Direct	93.242	5R01MH085324-06	NATIONAL INST OF HEALTH	163,690	-
Health and Human Services	Direct	93.242	5R01MH092377-05	NATIONAL INST OF HEALTH	(1,524)	-
Health and Human Services	Direct	93.242	5R01MH104622-02	NATIONAL INST OF HEALTH	(1,692)	-
Health and Human Services	Direct	93.242	5R01MH108511-02 Revised	NATIONAL INST OF HEALTH	496,555	50,807
Health and Human Services	Direct	93.242	5R01MH111276-02	NATIONAL INST OF HEALTH	192,881	-
Health and Human Services	Direct	93.242	5R21MH100238-02	NATIONAL INST OF HEALTH	164,963	8,858
Health and Human Services	Direct	93.242	5R21MH104780-02	NATIONAL INST OF HEALTH	201,461	-
Health and Human Services	Direct	93.242	5R21MH105626-02	NATIONAL INST OF HEALTH	187,180	116,366
Health and Human Services	Direct	93.242	5U01MH106660-02	NATIONAL INST OF HEALTH	1,734,392	828,321
Health and Human Services	Direct	93.242	7R01MH102456-04	NATIONAL INST OF HEALTH	10	-
Health and Human Services	Direct	93.242	NIH RMH11715A (P) Klump	NATIONAL INST OF HEALTH	110,226	-
Health and Human Services	Direct	93.262	1U60OH010892-01A1	CENTERS FOR DISEASE CONTROL & PREVENTION	62,823	-
Health and Human Services	Direct	93.262	5U60OH008466-12	CENTERS FOR DISEASE CONTROL & PREVENTION	660,340	88,673
Health and Human Services	Direct	93.262	5U60OH008466-12	CENTERS FOR DISEASE CONTROL & PREVENTION	5,448	-
Health and Human Services	Direct	93.273	NIH-RAA024288 (P)-Wang	NATIONAL INST OF HEALTH	20,148	-
Health and Human Services	Direct	93.279	1F31DA042502-01A1 REVISED	NATIONAL INST OF HEALTH	2,654	-
Health and Human Services	Direct	93.279	1R03DA033455-01A1	NATIONAL INST OF HEALTH	72	-
Health and Human Services	Direct	93.279	4K01DA033346-04	NATIONAL INST OF HEALTH	177,019	-
Health and Human Services	Direct	93.279	4T32DA021129-10	NATIONAL INST OF HEALTH	140,035	-
Health and Human Services	Direct	93.279	4T32DA021129-10	NATIONAL INST OF HEALTH	106,064	-
Health and Human Services	Direct	93.279	5K01DA036747-03	NATIONAL INST OF HEALTH	110,735	-
Health and Human Services	Direct	93.279	5K05DA015799-11	NATIONAL INST OF HEALTH	26,900	-
Health and Human Services	Direct	93.279	5R00DA037271-04	NATIONAL INST OF HEALTH	141,687	-
Health and Human Services	Direct	93.279	5R01DA007908-20	NATIONAL INST OF HEALTH	2,847	-
Health and Human Services	Direct	93.279	5R01DA007908-20	NATIONAL INST OF HEALTH	170	-
Health and Human Services	Direct	93.279	5R01DA039112-03 Revised	NATIONAL INST OF HEALTH	690,992	263,528
Health and Human Services	Direct	93.279	5R01DA039895-02	NATIONAL INST OF HEALTH	263,289	-
Health and Human Services	Direct	93.279	5R25DA030310-05	NATIONAL INST OF HEALTH	130,463	23,128
Health and Human Services	Direct	93.283	5U10DD000901-04	CENTERS FOR DISEASE CONTROL & PREVENTION	20,308	-
Health and Human Services	Direct	93.286	5R00EB016753-04 Revised	NATIONAL INST OF HEALTH	127,330	-
Health and Human Services	Direct	93.286	5R21EB016379-02	NATIONAL INST OF HEALTH	3,428	5,085
Health and Human Services	Direct	93.286	5R21EB017881-02	NATIONAL INST OF HEALTH	83,585	4,086
Health and Human Services	Direct	93.286	5U01EB018818-04	NATIONAL INST OF HEALTH	658,090	481,087
Health and Human Services	Direct	93.307	5U54MD011227-02 Revised	NATIONAL INST OF HEALTH	988,143	191,216
Health and Human Services	Direct	93.310	5DP7OD020320-04	NATIONAL INST OF HEALTH	328,274	-
Health and Human Services	Direct	93.310	5UG3OD023285-02	NATIONAL INST OF HEALTH	640,212	215,385
Health and Human Services	Direct	93.351	4R13DD012091-10	NATIONAL INST OF HEALTH	32,000	-
Health and Human Services	Direct	93.351	4T35DD016477-14	NATIONAL INST OF HEALTH	45,351	-
Health and Human Services	Direct	93.351	5R01DD012206-04	NATIONAL INST OF HEALTH	361,971	11,777
Health and Human Services	Direct	93.351	5R21DD019915-02	NATIONAL INST OF HEALTH	100,624	-
Health and Human Services	Direct	93.351	5R24DD012221-15 Revised	NATIONAL INST OF HEALTH	597,150	143,032
Health and Human Services	Direct	93.351	5R25DD016534-03	NATIONAL INST OF HEALTH	166,616	68,641
Health and Human Services	Direct	93.351	5T32DD011167-13	NATIONAL INST OF HEALTH	24,535	-
Health and Human Services	Direct	93.351	NIH-5T35DD016477-15(P)-Yuzbasiyan-Gurkan	NATIONAL INST OF HEALTH	40,092	-
Health and Human Services	Direct	93.351	NIH-ROD016534A (P)-Krajcik	NATIONAL INST OF HEALTH	85,260	-
Health and Human Services	Direct	93.351	ROD012221E	NATIONAL INST OF HEALTH	14,644	-
Health and Human Services	Direct	93.361	7R01NR014484-04	NATIONAL INST OF HEALTH	195,814	85,906

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
<b>Research and Development Cluster (Continued):</b>						
Health and Human Services	Direct	93.361	NIH-1R21NR015589-01A1-Neighbors (P)	NATIONAL INST OF HEALTH	\$ 34,419	\$ -
Health and Human Services	Direct	93.393	4R01CA160514-05	NATIONAL INST OF HEALTH	248,947	-
Health and Human Services	Direct	93.393	5R00CA177868-03	NATIONAL INST OF HEALTH	210,583	-
Health and Human Services	Direct	93.393	5R01CA151973-05	NATIONAL INST OF HEALTH	115,211	42,835
Health and Human Services	Direct	93.393	5R21CA185021-02	NATIONAL INST OF HEALTH	22,679	-
Health and Human Services	Direct	93.395	4R01CA162401-04	NATIONAL INST OF HEALTH	268,253	17,188
Health and Human Services	Direct	93.395	5R01CA149451-05 REVISED	NATIONAL INST OF HEALTH	88,576	129
Health and Human Services	Direct	93.395	5R01CA157459-05	NATIONAL INST OF HEALTH	70,433	700
Health and Human Services	Direct	93.395	5R01CA193706-02 Revised	NATIONAL INST OF HEALTH	492,204	172,188
Health and Human Services	Direct	93.395	5R21CA176854-02	NATIONAL INST OF HEALTH	(2,614)	-
Health and Human Services	Direct	93.396	5R01CA188305-02	NATIONAL INST OF HEALTH	385,027	-
Health and Human Services	Direct	93.396	5R21CA171251-02	NATIONAL INST OF HEALTH	19,781	-
Health and Human Services	Direct	93.398	1F99CA12221-01	NATIONAL INST OF HEALTH	22,849	-
Health and Human Services	Direct	93.398	5K22CA188149-03	NATIONAL INST OF HEALTH	186,062	-
Health and Human Services	Direct	93.822	4D18HP23030-03-02	HEALTH RESOURCES & SERVICES ADMINISTRATION	164,812	-
Health and Human Services	Direct	93.837	2R25HL103156-06 Revised	NATIONAL INST OF HEALTH	78,623	-
Health and Human Services	Direct	93.837	2R25HL108864-06A1	NATIONAL INST OF HEALTH	226,431	-
Health and Human Services	Direct	93.837	4R00HL121160-03	NATIONAL INST OF HEALTH	193,123	-
Health and Human Services	Direct	93.837	4R00HL121073-03	NATIONAL INST OF HEALTH	340,299	-
Health and Human Services	Direct	93.837	5F31HL128035 - 02	NATIONAL INST OF HEALTH	14,784	-
Health and Human Services	Direct	93.837	5K01HL128843-02	NATIONAL INST OF HEALTH	109,596	-
Health and Human Services	Direct	93.837	5P01HL070687-13	NATIONAL INST OF HEALTH	474,000	-
Health and Human Services	Direct	93.837	5P01HL070687-13	NATIONAL INST OF HEALTH	221,221	-
Health and Human Services	Direct	93.837	5P01HL070687-13	NATIONAL INST OF HEALTH	206,054	-
Health and Human Services	Direct	93.837	5P01HL070687-13	NATIONAL INST OF HEALTH	135,410	-
Health and Human Services	Direct	93.837	5P01HL070687-13	NATIONAL INST OF HEALTH	131,883	-
Health and Human Services	Direct	93.837	5P01HL070687-13	NATIONAL INST OF HEALTH	86,529	-
Health and Human Services	Direct	93.837	5P01HL070687-13	NATIONAL INST OF HEALTH	53,865	-
Health and Human Services	Direct	93.837	5R01HL107495-04	NATIONAL INST OF HEALTH	244,498	-
Health and Human Services	Direct	93.837	5R01HL109101-05	NATIONAL INST OF HEALTH	244,994	3,398
Health and Human Services	Direct	93.837	5R01HL115185-04	NATIONAL INST OF HEALTH	158,106	-
Health and Human Services	Direct	93.837	5R01HL117847-03	NATIONAL INST OF HEALTH	313,455	-
Health and Human Services	Direct	93.837	5R01HL117847-04	NATIONAL INST OF HEALTH	132,891	-
Health and Human Services	Direct	93.837	5R01HL130624 - 03	NATIONAL INST OF HEALTH	551,822	458,229
Health and Human Services	Direct	93.837	5R25HL108864-05	NATIONAL INST OF HEALTH	(297)	-
Health and Human Services	Direct	93.846	5R01AR066028-02	NATIONAL INST OF HEALTH	527,517	157,860
Health and Human Services	Direct	93.847	1R01DK108798-01A1	NATIONAL INST OF HEALTH	51,558	-
Health and Human Services	Direct	93.847	1R01DK111475-01A1	NATIONAL INST OF HEALTH	72,751	-
Health and Human Services	Direct	93.847	1R01DK112695-01	NATIONAL INST OF HEALTH	113,410	-
Health and Human Services	Direct	93.847	3R01DK101050-02S1	NATIONAL INST OF HEALTH	38,290	-
Health and Human Services	Direct	93.847	3R01DK103723-02S1	NATIONAL INST OF HEALTH	359,277	44,820
Health and Human Services	Direct	93.847	4R01DK094932-05	NATIONAL INST OF HEALTH	197,134	-
Health and Human Services	Direct	93.847	5F30DK107163-03 Revised	NATIONAL INST OF HEALTH	31,846	-
Health and Human Services	Direct	93.847	5F31DK107081-02 Revised	NATIONAL INST OF HEALTH	30,430	-
Health and Human Services	Direct	93.847	5R01DK073566 - 09	NATIONAL INST OF HEALTH	279,509	-
Health and Human Services	Direct	93.847	5R01DK101050-03	NATIONAL INST OF HEALTH	196,010	-
Health and Human Services	Direct	93.847	5R01DK103723-03 Revised	NATIONAL INST OF HEALTH	51,151	-
Health and Human Services	Direct	93.847	5R01DK103759-03 Revised	NATIONAL INST OF HEALTH	321,578	64,427
Health and Human Services	Direct	93.847	5R01DK103808 - 04	NATIONAL INST OF HEALTH	358,267	-
Health and Human Services	Direct	93.847	5R01DK105099-03 Revised	NATIONAL INST OF HEALTH	306,476	27,840
Health and Human Services	Direct	93.847	5R01DK107697-03	NATIONAL INST OF HEALTH	684,844	46,720
Health and Human Services	Direct	93.847	5R01DK110665-02	NATIONAL INST OF HEALTH	391,595	-
Health and Human Services	Direct	93.847	NIH-FDK107232A (P) - Brown	NATIONAL INST OF HEALTH	30,694	-
Health and Human Services	Direct	93.853	1F31NS090866-01A1	NATIONAL INST OF HEALTH	1,948	-
Health and Human Services	Direct	93.853	1R01NS094460-01	NATIONAL INST OF HEALTH	775,540	580,720
Health and Human Services	Direct	93.853	1R13NS101877-01	NATIONAL INST OF HEALTH	10,000	-
Health and Human Services	Direct	93.853	5R01NS028421-22	NATIONAL INST OF HEALTH	33,025	-
Health and Human Services	Direct	93.853	5R01NS045195-15	NATIONAL INST OF HEALTH	318,701	-
Health and Human Services	Direct	93.853	5R01NS065338-05	NATIONAL INST OF HEALTH	(344)	-
Health and Human Services	Direct	93.853	5R03NS095202-02	NATIONAL INST OF HEALTH	67,233	-
Health and Human Services	Direct	93.853	5R21NS090107-02	NATIONAL INST OF HEALTH	223,869	-
Health and Human Services	Direct	93.853	5R21NS094900-02 Revised	NATIONAL INST OF HEALTH	217,276	-
Health and Human Services	Direct	93.853	5R21NS096637-02	NATIONAL INST OF HEALTH	54,877	-
Health and Human Services	Direct	93.853	5R21NS098079-02	NATIONAL INST OF HEALTH	144,831	36,047
Health and Human Services	Direct	93.853	5R25NS090989-02	NATIONAL INST OF HEALTH	222,196	-
Health and Human Services	Direct	93.853	5T32NS044928-13	NATIONAL INST OF HEALTH	139,578	-
Health and Human Services	Direct	93.853	5T32NS044928-13	NATIONAL INST OF HEALTH	17,207	-
Health and Human Services	Direct	93.853	NIH-R21NS098173-Yan (P)	NATIONAL INST OF HEALTH	20,048	-
Health and Human Services	Direct	93.853	NIH-RNS099632A (P)-Manfredsson	NATIONAL INST OF HEALTH	118,793	-
Health and Human Services	Direct	93.853	RNS095656A (P)	NATIONAL INST OF HEALTH	202,470	31,718
Health and Human Services	Direct	93.855	1R01AI116605-01A1	NATIONAL INST OF HEALTH	475,336	11,870
Health and Human Services	Direct	93.855	1R01AI121178-01A1	NATIONAL INST OF HEALTH	119,428	-
Health and Human Services	Direct	93.855	1R03AI130554-01 REVISED	NATIONAL INST OF HEALTH	38,775	-
Health and Human Services	Direct	93.855	1U01AI126610-01	NATIONAL INST OF HEALTH	314,644	115,018
Health and Human Services	Direct	93.855	2R56AI081817-06	NATIONAL INST OF HEALTH	48,565	-
Health and Human Services	Direct	93.855	4R01AI048758-17	NATIONAL INST OF HEALTH	213,740	-
Health and Human Services	Direct	93.855	5R01AI047153-15	NATIONAL INST OF HEALTH	103,351	-
Health and Human Services	Direct	93.855	5R01AI110894-02	NATIONAL INST OF HEALTH	3,756	2,447
Health and Human Services	Direct	93.855	5R01AI113257-02	NATIONAL INST OF HEALTH	572,132	58,269
Health and Human Services	Direct	93.855	5R01AI120189-03	NATIONAL INST OF HEALTH	125,953	-
Health and Human Services	Direct	93.855	5R03AI111054-02	NATIONAL INST OF HEALTH	124,486	-
Health and Human Services	Direct	93.855	5R21AI099404-02	NATIONAL INST OF HEALTH	861	-
Health and Human Services	Direct	93.855	5R21AI105867-02	NATIONAL INST OF HEALTH	1,186	-
Health and Human Services	Direct	93.855	5R21AI106477-02	NATIONAL INST OF HEALTH	148,567	-
Health and Human Services	Direct	93.855	5R21AI111192-03	NATIONAL INST OF HEALTH	105,330	1,647
Health and Human Services	Direct	93.855	5R21AI121748-02	NATIONAL INST OF HEALTH	151,751	-
Health and Human Services	Direct	93.855	5R21AI122808-02	NATIONAL INST OF HEALTH	197,522	-
Health and Human Services	Direct	93.855	5R21AI122863-02	NATIONAL INST OF HEALTH	134,322	-
Health and Human Services	Direct	93.855	5R21AI126359-02	NATIONAL INST OF HEALTH	66,799	-
Health and Human Services	Direct	93.855	5R21AI17018-02	NATIONAL INST OF HEALTH	10,776	-
Health and Human Services	Direct	93.855	5R37AI021884 - 32	NATIONAL INST OF HEALTH	415,086	-
Health and Human Services	Direct	93.855	5U19AI089683-04	NATIONAL INST OF HEALTH	1,570,098	1,127,406
Health and Human Services	Direct	93.855	5U19AI090872-05 REVISED	NATIONAL INST OF HEALTH	16,798	-
Health and Human Services	Direct	93.855	5U19AI090872-05 REVISED	NATIONAL INST OF HEALTH	1	(195)
Health and Human Services	Direct	93.855	5U19AI090872-05 REVISED	NATIONAL INST OF HEALTH	(9)	-
Health and Human Services	Direct	93.855	NIH 1R01AI121178-01A1 (P) Kaminski	NATIONAL INST OF HEALTH	15,658	-
Health and Human Services	Direct	93.855	NIH 1R01AI121178-01A1 (P) Mulks	NATIONAL INST OF HEALTH	54,472	-
Health and Human Services	Direct	93.855	NIH-RA117018A (P) -Tepe	NATIONAL INST OF HEALTH	102,287	-
Health and Human Services	Direct	93.859	1R01GM122085-01	NATIONAL INST OF HEALTH	336,140	185,679
Health and Human Services	Direct	93.859	1R25GM116761-01A1	NATIONAL INST OF HEALTH	72,877	-
Health and Human Services	Direct	93.859	2T32GM092715-06	NATIONAL INST OF HEALTH	129,614	-
Health and Human Services	Direct	93.859	3R01GM072667 - 11S1	NATIONAL INST OF HEALTH	103,895	-

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
<b>Research and Development Cluster (Continued):</b>						
Health and Human Services	Direct	93.859	3T34GM100872-0351	NATIONAL INST OF HEALTH	\$ 44,619	\$ -
Health and Human Services	Direct	93.859	3T34GM100872-0351	NATIONAL INST OF HEALTH	6,631	-
Health and Human Services	Direct	93.859	4R01GM100908-05	NATIONAL INST OF HEALTH	188,863	-
Health and Human Services	Direct	93.859	4R01GM101353 - 04	NATIONAL INST OF HEALTH	339,616	-
Health and Human Services	Direct	93.859	5R01GM026916-35	NATIONAL INST OF HEALTH	23,422	-
Health and Human Services	Direct	93.859	5R01GM043585-21	NATIONAL INST OF HEALTH	49,045	-
Health and Human Services	Direct	93.859	5R01GM057440-16	NATIONAL INST OF HEALTH	172,730	27,000
Health and Human Services	Direct	93.859	5R01GM063188-11	NATIONAL INST OF HEALTH	123,057	-
Health and Human Services	Direct	93.859	5R01GM063584-12	NATIONAL INST OF HEALTH	38,801	-
Health and Human Services	Direct	93.859	5R01GM072667-12 Revised	NATIONAL INST OF HEALTH	378,665	95,834
Health and Human Services	Direct	93.859	5R01GM084953-08	NATIONAL INST OF HEALTH	316,430	-
Health and Human Services	Direct	93.859	5R01GM09063-04	NATIONAL INST OF HEALTH	29,998	-
Health and Human Services	Direct	93.859	5R01GM094478-04	NATIONAL INST OF HEALTH	(914)	-
Health and Human Services	Direct	93.859	5R01GM094534-06	NATIONAL INST OF HEALTH	275,011	77,580
Health and Human Services	Direct	93.859	5R01GM101038-04	NATIONAL INST OF HEALTH	4,692	-
Health and Human Services	Direct	93.859	5R01GM101038-06 Revised	NATIONAL INST OF HEALTH	184,152	-
Health and Human Services	Direct	93.859	5R01GM101219-06	NATIONAL INST OF HEALTH	310,758	-
Health and Human Services	Direct	93.859	5R01GM101386-04	NATIONAL INST OF HEALTH	65,048	-
Health and Human Services	Direct	93.859	5R01GM102637-03	NATIONAL INST OF HEALTH	17,004	-
Health and Human Services	Direct	93.859	5R01GM104009-04	NATIONAL INST OF HEALTH	562,839	-
Health and Human Services	Direct	93.859	5R01GM109259-03	NATIONAL INST OF HEALTH	437,372	235,677
Health and Human Services	Direct	93.859	5R01GM109928-02	NATIONAL INST OF HEALTH	438,174	-
Health and Human Services	Direct	93.859	5R01GM110185-02	NATIONAL INST OF HEALTH	313,854	15,353
Health and Human Services	Direct	93.859	5R01GM110195-03	NATIONAL INST OF HEALTH	198,509	-
Health and Human Services	Direct	93.859	5R01GM110525-03	NATIONAL INST OF HEALTH	256,482	-
Health and Human Services	Direct	93.859	5R01GM115373-03	NATIONAL INST OF HEALTH	290,843	-
Health and Human Services	Direct	93.859	5R01GM115459-02	NATIONAL INST OF HEALTH	271,399	53,130
Health and Human Services	Direct	93.859	5R01GM115475-02	NATIONAL INST OF HEALTH	323,579	-
Health and Human Services	Direct	93.859	5R01GM118685-02	NATIONAL INST OF HEALTH	300,975	-
Health and Human Services	Direct	93.859	5R25GM108593-02	NATIONAL INST OF HEALTH	198,233	-
Health and Human Services	Direct	93.859	5R25GM115335-03	NATIONAL INST OF HEALTH	56,770	24,975
Health and Human Services	Direct	93.859	5T32GM092715-05	NATIONAL INST OF HEALTH	16,516	-
Health and Human Services	Direct	93.859	5T32GM092715-05	NATIONAL INST OF HEALTH	(14)	-
Health and Human Services	Direct	93.859	5T32GM110523-03	NATIONAL INST OF HEALTH	160,670	-
Health and Human Services	Direct	93.859	5T32GM110523-03	NATIONAL INST OF HEALTH	53,418	-
Health and Human Services	Direct	93.859	7R01GM099992-04	NATIONAL INST OF HEALTH	109,592	-
Health and Human Services	Direct	93.859	KG115766A (P)	NATIONAL INST OF HEALTH	60,719	-
Health and Human Services	Direct	93.859	R01GM061893	NATIONAL INST OF HEALTH	232,045	-
Health and Human Services	Direct	93.865	1R21HD083058-01A1	NATIONAL INST OF HEALTH	24,434	-
Health and Human Services	Direct	93.865	1T32HD087166-01	NATIONAL INST OF HEALTH	149,591	-
Health and Human Services	Direct	93.865	2R01HD042280-10A1	NATIONAL INST OF HEALTH	184,909	26,304
Health and Human Services	Direct	93.865	3R01HD066040-0451	NATIONAL INST OF HEALTH	(6)	-
Health and Human Services	Direct	93.865	4R01HD072972-05	NATIONAL INST OF HEALTH	260,795	-
Health and Human Services	Direct	93.865	5F32HD081856-02	NATIONAL INST OF HEALTH	48,567	-
Health and Human Services	Direct	93.865	5K12HD065879-05	NATIONAL INST OF HEALTH	587	-
Health and Human Services	Direct	93.865	5R00HD058698-05	NATIONAL INST OF HEALTH	93,016	-
Health and Human Services	Direct	93.865	5R01HD057962-05	NATIONAL INST OF HEALTH	(8,980)	-
Health and Human Services	Direct	93.865	5R01HD064416-05	NATIONAL INST OF HEALTH	179,052	29,584
Health and Human Services	Direct	93.865	5R01HD066040-05	NATIONAL INST OF HEALTH	278	-
Health and Human Services	Direct	93.865	5R01HD070723-05	NATIONAL INST OF HEALTH	109,155	95,246
Health and Human Services	Direct	93.865	5R01HD070723-05	NATIONAL INST OF HEALTH	43,154	37,315
Health and Human Services	Direct	93.865	5R01HD072489-05	NATIONAL INST OF HEALTH	487,051	2,154
Health and Human Services	Direct	93.865	5R01HD072968-05 Revised	NATIONAL INST OF HEALTH	298,005	6,334
Health and Human Services	Direct	93.865	5R01HD075903-04 Revised	NATIONAL INST OF HEALTH	297,668	34,851
Health and Human Services	Direct	93.865	5R01HD083273-02 Revised	NATIONAL INST OF HEALTH	437,171	19,759
Health and Human Services	Direct	93.865	5R01HD084377-02	NATIONAL INST OF HEALTH	332,211	83,506
Health and Human Services	Direct	93.865	5R01HD084478-02 Revised	NATIONAL INST OF HEALTH	331,300	-
Health and Human Services	Direct	93.865	5R01HD084494 - 03	NATIONAL INST OF HEALTH	390,097	-
Health and Human Services	Direct	93.865	5R01HD085990-02	NATIONAL INST OF HEALTH	238,240	67,580
Health and Human Services	Direct	93.865	5R03HD073275-02	NATIONAL INST OF HEALTH	50,585	-
Health and Human Services	Direct	93.865	5R03HD077112-02	NATIONAL INST OF HEALTH	18,150	-
Health and Human Services	Direct	93.865	5R03HD08184-02	NATIONAL INST OF HEALTH	50,709	-
Health and Human Services	Direct	93.865	5R21HD075974-02	NATIONAL INST OF HEALTH	57,431	4,433
Health and Human Services	Direct	93.865	5R21HD078471-02	NATIONAL INST OF HEALTH	16,475	-
Health and Human Services	Direct	93.865	5R21HD078566-02	NATIONAL INST OF HEALTH	87,578	12,556
Health and Human Services	Direct	93.865	5R21HD082453-02	NATIONAL INST OF HEALTH	34,954	-
Health and Human Services	Direct	93.865	5R21HD085138-02	NATIONAL INST OF HEALTH	149,004	29,455
Health and Human Services	Direct	93.865	7R01HD045611-12	NATIONAL INST OF HEALTH	(12,244)	-
Health and Human Services	Direct	93.865	NIH-1T32HD087166-01-Latham (P)	NATIONAL INST OF HEALTH	3,459	-
Health and Human Services	Direct	93.866	1RA56AG0523328-01A1	NATIONAL INST OF HEALTH	313,992	36,076
Health and Human Services	Direct	93.866	5K01AGO43417-03	NATIONAL INST OF HEALTH	113,515	-
Health and Human Services	Direct	93.866	5R01AG034949-05	NATIONAL INST OF HEALTH	12,245	-
Health and Human Services	Direct	93.866	5R01AG034949-05	NATIONAL INST OF HEALTH	(368)	-
Health and Human Services	Direct	93.866	5R01AG040715-05	NATIONAL INST OF HEALTH	222,300	25,696
Health and Human Services	Direct	93.866	5R01AG044372-04 Revised	NATIONAL INST OF HEALTH	422,614	42,504
Health and Human Services	Direct	93.866	5R01AG048642-03	NATIONAL INST OF HEALTH	1,308,322	1,023,210
Health and Human Services	Direct	93.866	5R21AG044712-02	NATIONAL INST OF HEALTH	52,865	-
Health and Human Services	Direct	93.866	5R21AG051820-02	NATIONAL INST OF HEALTH	109,878	41,462
Health and Human Services	Direct	93.866	5R21AG053581-02	NATIONAL INST OF HEALTH	110,237	-
Health and Human Services	Direct	93.866	7R01AG030425-06	NATIONAL INST OF HEALTH	83,310	-
Health and Human Services	Direct	93.867	4R01EY022727-05	NATIONAL INST OF HEALTH	198,099	-
Health and Human Services	Direct	93.867	5R01EY016077-09 Revised	NATIONAL INST OF HEALTH	551,466	131,861
Health and Human Services	Direct	93.867	5R21EY024757-02	NATIONAL INST OF HEALTH	140,735	-
	<b>Direct Total</b>				<b>56,930,895</b>	<b>9,632,009</b>
Health and Human Services	Pass-through	93	15TJPO085	ICF INC LLC	13	-
Health and Human Services	Pass-through	93	3004138691	UNIVERSITY OF MICHIGAN	152,580	-
Health and Human Services	Pass-through	93	5Z000L	RTI INTERNATIONAL	27,421	-
Health and Human Services	Pass-through	93	APP 146044	BLOODCENTER OF WISCONSIN	5	-
Health and Human Services	Pass-through	93	BCHS/MSU FY17	STATE OF MICHIGAN	229,844	-
Health and Human Services	Pass-through	93	CK #3058112	SOUTHWEST ONCOLOGY GROUP	18,231	-
Health and Human Services	Pass-through	93	EAY-131	NRG ONCOLOGY	903	-
Health and Human Services	Pass-through	93	NRG Oncology B-43	NRG ONCOLOGY	726	-
Health and Human Services	Pass-through	93	PROTCCOL S1207	NRG ONCOLOGY	41	-
Health and Human Services	Pass-through	93	UA-NIH-000388010-016	UNIVERSITY OF ALABAMA AT BIRMINGHAM	81,422	-
Health and Human Services	Pass-through	93.070	E20172768-00-AO	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	548	-
Health and Human Services	Pass-through	93.077	114970-S101334	HARVARD UNIV	8,018	-
Health and Human Services	Pass-through	93.084	723K866	UNIVERSITY OF WISCONSIN SYSTEM	43,891	-
Health and Human Services	Pass-through	93.110	ATHN2014-NHPCC-1	MUNSON MEDICAL CENTER	110	-
Health and Human Services	Pass-through	93.113	109036_MSU	OREGON HEALTH SCIENCES UNIV	75,139	-
Health and Human Services	Pass-through	93.113	2013-00165-01	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	6,694	-
Health and Human Services	Pass-through	93.113	3R8B7	UNIVERSITY OF NEW MEXICO	88,090	-
Health and Human Services	Pass-through	93.113	713K053	UNIVERSITY OF WISCONSIN MADISON	13,469	-

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Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
Health and Human Services	Pass-through	93.113	UIUC-083348-16161-GardinerJoseph	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	\$ 34,578	\$ -
Health and Human Services	Pass-through	93.113	WSU16078	WAYNE STATE UNIV	18,154	-
Health and Human Services	Pass-through	93.136	2003124173	JOHNS HOPKINS UNIV	49,722	-
Health and Human Services	Pass-through	93.136	3001820588	UNIVERSITY OF MICHIGAN	237	-
Health and Human Services	Pass-through	93.142	007038-009	CINCINNATI UNIV OF	(1,700)	-
Health and Human Services	Pass-through	93.172	3002897437	UNIVERSITY OF MICHIGAN	105,768	-
Health and Human Services	Pass-through	93.173	0044466 (125619-1)	UNIVERSITY OF PITTSBURGH	44,332	-
Health and Human Services	Pass-through	93.173	13-0385	BRIGHAM YOUNG UNIV	1,496	-
Health and Human Services	Pass-through	93.173	3002722836	UNIVERSITY OF MICHIGAN	6,163	-
Health and Human Services	Pass-through	93.173	3004261216	UNIVERSITY OF MICHIGAN	14,239	-
Health and Human Services	Pass-through	93.173	60051342	OHIO STATE UNIV	129,051	-
Health and Human Services	Pass-through	93.173	BL-4633518-MSU	INDIANA UNIV	68,898	-
Health and Human Services	Pass-through	93.173	VANDERBILT VUMCS6181 McAuley	VANDERBILT UNIV	4,946	-
Health and Human Services	Pass-through	93.226	FY17.688.002	UNIVERSITY OF COLORADO DENVER	63,038	-
Health and Human Services	Pass-through	93.226	Project 2-5-15980 FY16.688.001 AMD 1	UNIVERSITY OF COLORADO DENVER	58,379	-
Health and Human Services	Pass-through	93.226	UWSC8138	UNIVERSITY OF WASHINGTON	43,848	-
Health and Human Services	Pass-through	93.242	00000777	BROWN UNIV	29,740	-
Health and Human Services	Pass-through	93.242	00000778	BROWN UNIV	7,044	-
Health and Human Services	Pass-through	93.242	3003112208	UNIVERSITY OF MICHIGAN	13,369	-
Health and Human Services	Pass-through	93.242	3003210937	UNIVERSITY OF MICHIGAN	35,089	-
Health and Human Services	Pass-through	93.242	5-20953	SCRIPPS RESEARCH INST	38,835	-
Health and Human Services	Pass-through	93.242	5-20953	SCRIPPS RESEARCH INST	11,206	-
Health and Human Services	Pass-through	93.242	V2561-3	VAN ANDEL RESEARCH INST	42,901	-
Health and Human Services	Pass-through	93.242	WSU16128	WAYNE STATE UNIV	19,539	-
Health and Human Services	Pass-through	93.243	162734-AWARE16	MICHIGAN DEPT OF EDUCATION	39,016	-
Health and Human Services	Pass-through	93.243	172734-AWARE17	MICHIGAN DEPT OF EDUCATION	87,440	-
Health and Human Services	Pass-through	93.262	WSU16039	WAYNE STATE UNIV	6,529	-
Health and Human Services	Pass-through	93.273	3002128731	UNIVERSITY OF MICHIGAN	1,897	-
Health and Human Services	Pass-through	93.273	9053-8349	BUTLER HOSPITAL	5,809	-
Health and Human Services	Pass-through	93.273	BUTLER HOS 9053-8349 Johnson	BUTLER HOSPITAL	62,050	-
Health and Human Services	Pass-through	93.273	ORI-APP 144593-Roseth	OREGON RESEARCH INST	39,028	-
Health and Human Services	Pass-through	93.273	R921	DARTMOUTH COLLEGE	32,438	-
Health and Human Services	Pass-through	93.279	1418(R195)	DARTMOUTH COLLEGE	42,373	5,840
Health and Human Services	Pass-through	93.279	2003097399	JOHNS HOPKINS UNIV	37,449	-
Health and Human Services	Pass-through	93.279	3002871750	UNIVERSITY OF MICHIGAN	20,635	-
Health and Human Services	Pass-through	93.279	3020746	DUKE UNIV	20,465	-
Health and Human Services	Pass-through	93.279	9522	WOMEN & INFANTS HOSPITAL	7,661	-
Health and Human Services	Pass-through	93.279	W&I HOSP-9522-JohnsonJennifer	WOMEN & INFANTS HOSPITAL	4,793	-
Health and Human Services	Pass-through	93.279	WIH/NIH 9522 YR 2 Johnson	WOMEN & INFANTS HOSPITAL	11,044	-
Health and Human Services	Pass-through	93.283	20160890-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	8,632	-
Health and Human Services	Pass-through	93.283	20160897-00 Attachment 5	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	10,483	-
Health and Human Services	Pass-through	93.283	E20170245-00-M	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	15,986	-
Health and Human Services	Pass-through	93.283	E20170253-00-R	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	42,664	-
Health and Human Services	Pass-through	93.283	E20170657-00-U	MICHIGAN DEPT OF COMMUNITY HEALTH	15,988	-
Health and Human Services	Pass-through	93.307	057063-87D5	UNIVERSITY OF NEW MEXICO	69,491	-
Health and Human Services	Pass-through	93.310	5106190	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	22,328	-
Health and Human Services	Pass-through	93.310	68-1096430	CALIFORNIA INSTITUTE OF TECHNO	340,340	-
Health and Human Services	Pass-through	93.310	706K672	UNIVERSITY OF WISCONSIN MADISON	27,405	-
Health and Human Services	Pass-through	93.310	CK # 407	WINDROSE VISION	431	-
Health and Human Services	Pass-through	93.310	FP060906	UNIVERSITY OF CHICAGO	975	-
Health and Human Services	Pass-through	93.310	U CHICAGO FP060906 Yadav Year 2	UNIVERSITY OF CHICAGO	31,165	-
Health and Human Services	Pass-through	93.325	Reeve Foundation Grant	CHRISTOPHER & DANA REEVE FOUNDATION	11,192	-
Health and Human Services	Pass-through	93.351	2157208	UNIVERSITY OF OREGON	90,527	-
Health and Human Services	Pass-through	93.351	App 143125	FREEZEBACK LLC	90,267	-
Health and Human Services	Pass-through	93.393	153405503	UNIVERSITY OF WISCONSIN MILWAUKEE	9,144	-
Health and Human Services	Pass-through	93.393	3002478030	UNIVERSITY OF MICHIGAN	11,065	-
Health and Human Services	Pass-through	93.393	5102580	UNIVERSITY OF NORTH CAROLINA	72,325	34,552
Health and Human Services	Pass-through	93.393	R789	TRUSTEES OF DARTMOUTH COLLEGE	46,449	-
Health and Human Services	Pass-through	93.395	9500080216-13c	CHILDRENS HOSPITAL OF PHILADELPHIA	22,057	-
Health and Human Services	Pass-through	93.395	APP 145069 Martinez Hackert	ABREOS BIOSCIENCES INC	839	-
Health and Human Services	Pass-through	93.395	NIH/CHOP APP 140619 U10CA180886 GERA	CHILDRENS HOSPITAL OF PHILADELPHIA	834	-
Health and Human Services	Pass-through	93.395	NSABP B-49 TAMKUS	NATL SURGICAL ADJ BRST & BWL P	5,641	-
Health and Human Services	Pass-through	93.395	SIRNAX/NIH APP 130373 GARAVITO	SIRNAX INC.	(3,446)	-
Health and Human Services	Pass-through	93.395	TFED37-090, AMD#1	NATL SURGICAL ADJ BRST & BWL P	38,526	-
Health and Human Services	Pass-through	93.398	App 152611	UNIVERSITY OF ILLINOIS CHICAGO	35,911	-
Health and Human Services	Pass-through	93.506	BHCS/MSU-CMS NBPC 2013-2016	MI DEPT OF LICENSING & REG AFF	71,430	-
Health and Human Services	Pass-through	93.600	WAYNE ST U-WSU17003 Vallotton	WAYNE STATE UNIV	122,114	-
Health and Human Services	Pass-through	93.600	WSU16012	WAYNE STATE UNIV	74,761	-
Health and Human Services	Pass-through	93.757	20160913-00-AI	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	2,718	-
Health and Human Services	Pass-through	93.757	20160914-00-AJ	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	12,197	-
Health and Human Services	Pass-through	93.757	E20170242-00-J	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	795	-
Health and Human Services	Pass-through	93.757	E20170243-00-K	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	10,077	-
Health and Human Services	Pass-through	93.778	20161931	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	5,803	-
Health and Human Services	Pass-through	93.810	E20170245-00-M	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	5,329	-
Health and Human Services	Pass-through	93.810	E20170657-00-U	MICHIGAN DEPT OF COMMUNITY HEALTH	5,330	-
Health and Human Services	Pass-through	93.837	N003631001	UNIVERSITY OF MINNESOTA TWIN CITIES	98,047	-
Health and Human Services	Pass-through	93.837	OOS100311-MSU	KAISER PERMANENTE	13,044	-
Health and Human Services	Pass-through	93.837	WSU15107-A1	WAYNE STATE UNIV	13,616	-
Health and Human Services	Pass-through	93.838	540544	UNIVERSITY OF MEMPHIS	40,574	-
Health and Human Services	Pass-through	93.838	MEMPHIS 540544 Ewart	UNIVERSITY OF MEMPHIS	71,136	-
Health and Human Services	Pass-through	93.846	3003073874	UNIVERSITY OF MICHIGAN	104,688	-
Health and Human Services	Pass-through	93.846	STR R41AR068804	ABREOS BIOSCIENCES INC	27,424	-
Health and Human Services	Pass-through	93.847	15-AO-00-003649-01	NEW YORK UNIV SCHOOL OF MEDICINE	21,533	-
Health and Human Services	Pass-through	93.847	3003071149	UNIVERSITY OF MICHIGAN	189,092	-
Health and Human Services	Pass-through	93.847	3003853558	UNIVERSITY OF MICHIGAN	31,156	-
Health and Human Services	Pass-through	93.847	UND10495	UNIVERSITY OF NORTH DAKOTA	36,107	-
Health and Human Services	Pass-through	93.853	3004086345	UNIVERSITY OF MICHIGAN	26,571	-
Health and Human Services	Pass-through	93.853	416854	UNIVERSITY OF ROCHESTER	4,614	-
Health and Human Services	Pass-through	93.853	488389 E27281	UNIVERSITY OF ILLINOIS CHICAGO	266,885	-
Health and Human Services	Pass-through	93.853	60036745 MSU	NORTHWESTERN UNIV	14,616	-
Health and Human Services	Pass-through	93.853	IN4689687MSU	INDIANA UNIV	15,830	-
Health and Human Services	Pass-through	93.853	PSG 186	MASSACHUSETTS GENERAL HOSPITAL	26,513	-
Health and Human Services	Pass-through	93.853	R21NS088554 - West/Tseng	ROSALIND FRANKLIN UNIV OF MEDICINE & SCIENCE	91,553	-
Health and Human Services	Pass-through	93.853	Univ of Rochester 416854 Shapiro	UNIVERSITY OF ROCHESTER	9,819	-
Health and Human Services	Pass-through	93.855	3002992954	UNIVERSITY OF MICHIGAN	10,252	-
Health and Human Services	Pass-through	93.855	3200006654-17-016	UNIVERSITY OF KENTUCKY	54,263	-
Health and Human Services	Pass-through	93.855	LDR 01 MOD 3	JOHNS HOPKINS UNIV	39,470	-
Health and Human Services	Pass-through	93.855	MOD02 2002283506	JOHNS HOPKINS UNIV	40,583	-
Health and Human Services	Pass-through	93.855	UNIV OF MEMPHIS/NIH 5-40150 EWART	UNIVERSITY OF MEMPHIS	12,719	-
Health and Human Services	Pass-through	93.859	0051314 (126984-2)	UNIVERSITY OF PITTSBURGH	99,406	-
Health and Human Services	Pass-through	93.859	0056117(129070-1)	UNIVERSITY OF PITTSBURGH	15,897	-
Health and Human Services	Pass-through	93.859	202375MSU	UNIVERSITY OF NOTRE DAME	26,607	-

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
Health and Human Services	Pass-through	93.859	5104410	UNIVERSITY OF NORTH CAROLINA	\$ 85,590	\$ -
Health and Human Services	Pass-through	93.859	5104410	UNIVERSITY OF NORTH CAROLINA	(10,766)	-
Health and Human Services	Pass-through	93.859	56810 PO H005230501	UNIVERSITY OF MINNESOTA	8,497	-
Health and Human Services	Pass-through	93.859	Prime 4R44GM112406-02	QUANTUM BIO, INC.	116,868	-
Health and Human Services	Pass-through	93.859	U OF M-3004222911-Feig (P)	UNIVERSITY OF MICHIGAN	17,205	-
Health and Human Services	Pass-through	93.859	UTA13-000938	UNIVERSITY OF TEXAS AT AUSTIN	4,216	-
Health and Human Services	Pass-through	93.865	000388010-016	UNIVERSITY OF ALABAMA AT BIRMINGHAM	210,688	-
Health and Human Services	Pass-through	93.865	2001660125	JOHNS HOPKINS UNIV	18,884	-
Health and Human Services	Pass-through	93.865	60042504-MSU	OHIO STATE UNIV	9,255	-
Health and Human Services	Pass-through	93.865	AGMSU-01	AGGAMIN LLC	182,229	-
Health and Human Services	Pass-through	93.865	FY15.284.002	UNIVERSITY OF COLORADO	396	-
Health and Human Services	Pass-through	93.865	JHU 2003075281 Boivin	JOHNS HOPKINS UNIV	87,764	-
Health and Human Services	Pass-through	93.865	QN857961	UNIVERSITY OF KANSAS	5,482	-
Health and Human Services	Pass-through	93.865	R-16-0019	UNIVERSITY OF HOUSTON	31,633	-
Health and Human Services	Pass-through	93.865	R866	DARTMOUTH COLLEGE	65,874	-
Health and Human Services	Pass-through	93.865	RNG200543-02 (2680-2828)	KAISER PERMANENTE	8,753	-
Health and Human Services	Pass-through	93.865	WU-15-394	WASHINGTON UNIV IN ST LOUIS	27,508	-
Health and Human Services	Pass-through	93.866	1032114-MSU	DIGNITY HEALTH	339,151	-
Health and Human Services	Pass-through	93.866	160236	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	83,596	-
Health and Human Services	Pass-through	93.866	3003090374	UNIVERSITY OF MICHIGAN	24,327	-
Health and Human Services	Pass-through	93.866	3003883640	MI CNTR FOR URBAN AFRICAN AMER	2,732	-
Health and Human Services	Pass-through	93.866	3004127215	UNIVERSITY OF MICHIGAN	44,342	-
Health and Human Services	Pass-through	93.866	MCUAAAAR / NIH 3004040429 Brittain	MI CNTR FOR URBAN AFRICAN AMER	6,780	-
Health and Human Services	Pass-through	93.866	U OF M 3004217514 Hawkins	UNIVERSITY OF MICHIGAN	26,069	-
Health and Human Services	Pass-through	93.867	567945	UNIVERSITY OF PENNSYLVANIA	68,126	-
Health and Human Services	Pass-through	93.867	IN4684832MSU	INDIANA UNIV	220	-
Health and Human Services	Pass-through	93.867	IN4684833MSU	INDIANA UNIV	164,117	-
Health and Human Services	Pass-through	93.958	Contract 20160908-00 Attachment AD	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	9,316	-
Health and Human Services	Pass-through	93.958	Contract 20160909-00 Attachment AE	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	5,189	-
Health and Human Services	Pass-through	93.958	Contract 20160910-00 Attachment AF	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	7,582	-
Health and Human Services	Pass-through	93.958	Contract 20160911-00 Attachment AG	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	37,495	-
Health and Human Services	Pass-through	93.958	E20170238-00-F	MICHIGAN DEPT OF HUMAN SERVICES	38,792	-
Health and Human Services	Pass-through	93.958	E20170241-00-I	MICHIGAN DEPT OF HUMAN SERVICES	15,341	-
Health and Human Services	Pass-through	93.958	E20170248-00-Q	MICHIGAN DEPT OF HUMAN SERVICES	30,440	-
Health and Human Services	Pass-through	93.958	E20170666-00-V	MICHIGAN DEPT OF HUMAN SERVICES	19,126	-
Health and Human Services	Pass-through	93.958	E20170666-00-V	MICHIGAN DEPT OF HUMAN SERVICES	17,207	-
Health and Human Services	Pass-through	93.958	E20170674-00	MICHIGAN DEPT OF HUMAN SERVICES	112,852	-
Health and Human Services	Pass-through	93.989	4D43TW009639-05	FOGARTY INTL CENTER	324,101	236,165
Health and Human Services	Pass-through	93.989	5D43TW008267-05	FOGARTY INTL CENTER	2,660	2,629
Health and Human Services	Pass-through	93.989	5K01TW009654-02	FOGARTY INTL CENTER	128,860	29,565
Health and Human Services	Pass-through	93.989	TRN506258	CASE WESTERN RESERVE UNIV	109,279	-
Health and Human Services	Pass-through	93.989	VUMC 42900	VANDERBILT UNIV MEDICAL CENTER	3,384	3,083
	<b>Pass-through Total</b>				<u>7,225,592</u>	<u>311,834</u>
<b>Health and Human Services Total</b>					<u>64,156,487</u>	<u>9,943,843</u>
Homeland Security	Pass-through	97.061	Z901213	UNIVERSITY OF MARYLAND	10,232	-
Homeland Security	Pass-through	97.062	30345-Z9058104	UNIVERSITY OF MARYLAND	33,608	-
	<b>Pass-through Total</b>				<u>43,840</u>	<u>-</u>
<b>Homeland Security Total</b>					<u>43,840</u>	<u>-</u>
Interior	Direct	15.232	15-JV-11242313-115	JOINT FIRE SCIENCE PROGRAM	142,974	-
Interior	Direct	15.608	USFWS F13AC00565 Infante	US FISH & WILDLIFE SERVICE	188,461	-
Interior	Direct	15.637	F14AC00225	US FISH & WILDLIFE SERVICE	36,286	-
Interior	Direct	15.647	F14AC00397	US FISH & WILDLIFE SERVICE	12,781	-
Interior	Direct	15.662	F15AP00306	US FISH & WILDLIFE SERVICE	26,504	-
Interior	Direct	15.662	F15AP00549	US FISH & WILDLIFE SERVICE	(21)	-
Interior	Direct	15.662	F15AP00562	US FISH & WILDLIFE SERVICE	29,830	-
Interior	Direct	15.662	F16AC00099	US FISH & WILDLIFE SERVICE	101,610	-
Interior	Direct	15.662	F16AP00875	US FISH & WILDLIFE SERVICE	13,768	-
Interior	Direct	15.678	155500	US FISH & WILDLIFE SERVICE	405	-
Interior	Direct	15.805	G16AP00020	US GEOLOGICAL SURVEY	50,799	-
Interior	Direct	15.805	G16AP00063	US GEOLOGICAL SURVEY	86,616	-
Interior	Direct	15.805	G17AP00031	US GEOLOGICAL SURVEY	7,317	-
Interior	Direct	15.808	16AC00421	US GEOLOGICAL SURVEY	97,378	-
Interior	Direct	15.808	G12AC20394	US GEOLOGICAL SURVEY	4,298	-
Interior	Direct	15.808	G12AC20457	US GEOLOGICAL SURVEY	25,077	-
Interior	Direct	15.808	G13AC00112	US GEOLOGICAL SURVEY	(43,486)	-
Interior	Direct	15.808	G13AC00244	US GEOLOGICAL SURVEY	78,097	-
Interior	Direct	15.808	G13AC00284	US GEOLOGICAL SURVEY	(28,103)	-
Interior	Direct	15.808	G15AC00026	US GEOLOGICAL SURVEY	20,236	-
Interior	Direct	15.808	G15AC00164	US GEOLOGICAL SURVEY	86,574	-
Interior	Direct	15.808	G16AC00116	US GEOLOGICAL SURVEY	78,608	-
Interior	Direct	15.808	G16AC00244	US GEOLOGICAL SURVEY	71,559	-
Interior	Direct	15.808	G17AC00148	US GEOLOGICAL SURVEY	5,192	-
Interior	Direct	15.808	G1AC20368	US GEOLOGICAL SURVEY	22,844	-
Interior	Direct	15.808	USGS G13AC00140 Mantha	US GEOLOGICAL SURVEY	93,791	-
Interior	Direct	15.811	G14AC00321	US GEOLOGICAL SURVEY	119,557	-
Interior	Direct	15.820	G15AC00126	US GEOLOGICAL SURVEY	2,350	-
Interior	Direct	15.820	G15AC00351	US GEOLOGICAL SURVEY	95,838	-
Interior	Direct	15.945	P15AC01378	NATIONAL PARK SERVICE	21,558	-
Interior	Direct	15.945	P16AC01326	NATIONAL PARK SERVICE	98,131	-
	<b>Direct Total</b>				<u>1,546,829</u>	<u>-</u>
Interior	Pass-through	15	S183-25-1932	STRATUS CONSULTING	17,057	-
Interior	Pass-through	15	S183-25-1932	STRATUS CONSULTING	6,147	-
Interior	Pass-through	15	S183-25-1932	STRATUS CONSULTING	4,668	-
Interior	Pass-through	15	S183-25-1932 Task Order 2	STRATUS CONSULTING	(59,005)	-
Interior	Pass-through	15	S183-25-1932 Task Order 6	STRATUS CONSULTING	(1)	-
Interior	Pass-through	15	USWOF028	NATURESERVE	15,753	-
Interior	Pass-through	15.156	153877	INTER TRIBAL COUNCIL OF MICHIGAN INC	6,857	-
Interior	Pass-through	15.232	60040808	OHIO STATE UNIV	18,915	-

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
Interior	Pass-through	15.608	Phase 3	GREAT LAKES COMMISSION	\$ 40,775	\$ -
Interior	Pass-through	15.615	Arkansas Darter	KANSAS DEPT OF WILDLIFE, PARKS & TOURISM	30,931	-
Interior	Pass-through	15.628	APP 144778	ASSOC OF FISH & WILDLIFE AGENCY	20,767	-
Interior	Pass-through	15.662	2013-0100	MI ENVIRONMENTAL QUALITY	23,453	-
Interior	Pass-through	15.662	74394	RESEARCH FOUNDATION OF SUNNY	13,193	-
Interior	Pass-through	15.820	16-008848A00	UNIVERSITY OF MASSACHUSETTS AMHERST	4,140	-
Interior	Pass-through	15.820	404-42-07A	IOWA STATE UNIV	89,050	-
	<b>Pass-through Total</b>				<b>232,700</b>	<b>-</b>
<b>Interior Total</b>					<b>1,779,529</b>	<b>-</b>
Justice	Direct	16.550	2014-MU-CX-K037	US DEPT OF JUSTICE	9,950	-
Justice	Direct	16.550	2015-BJ-CX-K022	US DEPT OF JUSTICE	148,618	-
Justice	Direct	16.550	2016-BJ-CX-K026	US DEPT OF JUSTICE	70,311	-
Justice	Direct	16.560	2013-DN-BX-K039	US DEPT OF JUSTICE	68	-
Justice	Direct	16.560	2013-IJ-CX-0019	US DEPT OF JUSTICE	187,120	-
Justice	Direct	16.560	2013-R2-CX-0015	US DEPT OF JUSTICE	93,619	53,985
Justice	Direct	16.560	2014-NE-BX-0006	US DEPT OF JUSTICE	177,392	-
Justice	Direct	16.560	2014-2A-BX-0004	US DEPT OF JUSTICE	214,343	80,770
Justice	Direct	16.560	2015-CK-BX-0003	US DEPT OF JUSTICE	231,512	66,305
Justice	Direct	16.560	2015-CK-BX-0017	US DEPT OF JUSTICE	236,857	73,893
Justice	Direct	16.560	2015-DN-BX-K012	US DEPT OF JUSTICE	174,736	-
Justice	Direct	16.560	2015-DN-BX-K013	US DEPT OF JUSTICE	239,327	-
Justice	Direct	16.560	2015-DN-BX-K031	US DEPT OF JUSTICE	61,738	-
Justice	Direct	16.560	2015-DN-BX-K036	US DEPT OF JUSTICE	77,580	-
Justice	Direct	16.560	2015-IJ-CX-K008	US DEPT OF JUSTICE	103,190	-
Justice	Direct	16.560	2015-R2-CX-K041	US DEPT OF JUSTICE	169,945	63,155
Justice	Direct	16.560	2016-R2-CX-0052	US DEPT OF JUSTICE	21,060	-
Justice	Direct	16.562	2015-R2-CX-0005	US DEPT OF JUSTICE	41,451	-
Justice	Direct	16.609	2015-GP-BX-K003	BUREAU OF JUSTICE ASSISTANCE	151,174	-
Justice	Direct	16.738	2016-MU-BX-K001	US DEPT OF JUSTICE	245,734	35,359
Justice	Direct	16.738	DOJ-PSC-2016-MU-BX-K001-McGarrell	US DEPT OF JUSTICE	47,059	-
Justice	Direct	16.751	2014-DB-BX-K010	BUREAU OF JUSTICE ASSISTANCE	105,852	-
Justice	Direct	16.751	2014-DB-BX-K010	BUREAU OF JUSTICE ASSISTANCE	95,615	-
	<b>Direct Total</b>				<b>2,904,521</b>	<b>373,467</b>
Justice	Pass-through	16	09-097NN-MSU	WEST VIRGINIA UNIV	185,278	-
Justice	Pass-through	16.560	031100.364880.01	MISSISSIPPI STATE UNIV	134,774	-
Justice	Pass-through	16.560	40582-29246101	UNIVERSITY OF MARYLAND	111,318	-
Justice	Pass-through	16.560	CM0000097-00	JOHN JAY COLLEGE	1,999	-
Justice	Pass-through	16.560	M15P12131 (P00359)	YALE UNIV	66,895	-
Justice	Pass-through	16.609	153908	BLACK FAMILY DEVELOPMENT INC	7,690	-
Justice	Pass-through	16.662	791N5500195	MI DEPT AG & RURAL DEV.	48,140	5,243
Justice	Pass-through	16.662	MDEQ-Burley	MICHIGAN DEPT OF ENVIRONMENTAL QUALITY	23,790	-
Justice	Pass-through	16.751	SAKI-15-04	MICHIGAN DEPARTMENT OF STATE POLICE	55,855	-
Justice	Pass-through	16.817	Kettering/DOJ 5301095MSU	KETTERING UNIV	88,030	-
Justice	Pass-through	16.817	Kettering/DOJ 5301095MSU	KETTERING UNIV	(25,060)	-
	<b>Pass-through Total</b>				<b>698,709</b>	<b>5,243</b>
<b>Justice Total</b>					<b>3,603,230</b>	<b>378,710</b>
National Aeronautics & Space Administration	Direct	43.001	NASA NNX12AN71G KSC Brandizzi	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	35,272	-
National Aeronautics & Space Administration	Direct	43.001	NASA-GSFC NNX16AQ44G Zarnetske	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	46,353	6,504
National Aeronautics & Space Administration	Direct	43.001	NASA-GSFC-NNX16AQ44G Zarnetske PSC	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	18,385	-
National Aeronautics & Space Administration	Direct	43.001	NNX12AC98G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	(7,742)	-
National Aeronautics & Space Administration	Direct	43.001	NNX12AH49G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	(2,906)	-
National Aeronautics & Space Administration	Direct	43.001	NNX12AL14A	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	5,338	-
National Aeronautics & Space Administration	Direct	43.001	NNX13AA14G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	5,785	-
National Aeronautics & Space Administration	Direct	43.001	NNX13AA44G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	87,846	33,110
National Aeronautics & Space Administration	Direct	43.001	NNX13AA44G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	71,686	-
National Aeronautics & Space Administration	Direct	43.001	NNX13AK41G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	(100)	-
National Aeronautics & Space Administration	Direct	43.001	NNX13AQ51G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	15,640	-
National Aeronautics & Space Administration	Direct	43.001	NNX14AD93G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	42,534	-
National Aeronautics & Space Administration	Direct	43.001	NNX14AQ36G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	21,662	-
National Aeronautics & Space Administration	Direct	43.001	NNX15AD10G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	272,722	110,894
National Aeronautics & Space Administration	Direct	43.001	NNX15AD51G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	227,461	-
National Aeronautics & Space Administration	Direct	43.001	NNX15A171G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	79,762	-
National Aeronautics & Space Administration	Direct	43.001	NNX15AP39G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	159,826	48,250
National Aeronautics & Space Administration	Direct	43.001	NNX15AU83G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	55,924	-
National Aeronautics & Space Administration	Direct	43.001	NNX16AE52G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	27,861	-
National Aeronautics & Space Administration	Direct	43.001	NNX16AL53G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	72,127	-
National Aeronautics & Space Administration	Direct	43.001	NNX16AN73G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	17,461	-
National Aeronautics & Space Administration	Direct	43.001	NNX17AE16G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	19,059	-
National Aeronautics & Space Administration	Direct	43.002	NNX15AR80G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	120,488	-
National Aeronautics & Space Administration	Direct	43.003	NNX13AM77G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	299,128	-
National Aeronautics & Space Administration	Direct	43.007	NASA-NNX16AT85G GoSFC Ayres	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	30,591	-
National Aeronautics & Space Administration	Direct	43.007	NNX16AC24A	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	58,566	-
National Aeronautics & Space Administration	Direct	43.007	NNX16AD52A	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	131,605	-
National Aeronautics & Space Administration	Direct	43.008	NNX16AR52G	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	3,633	-
	<b>Direct Total</b>				<b>1,915,967</b>	<b>198,758</b>
National Aeronautics & Space Administration	Pass-through	43	1566995	JET PROPULSION LABORATORY	6,456	-
National Aeronautics & Space Administration	Pass-through	43	HST-GO-14086.001-A	SPACE TELESCOPE SCIENCE INST	42,046	-
National Aeronautics & Space Administration	Pass-through	43	HST-GO-14704.003-A	SPACE TELESCOPE SCIENCE INST	4,236	-
National Aeronautics & Space Administration	Pass-through	43.001	1536353	JET PROPULSION LABORATORY	43,811	18,000
National Aeronautics & Space Administration	Pass-through	43.001	1552613	UNIVERSITY OF COLORADO	113,871	-
National Aeronautics & Space Administration	Pass-through	43.001	AR3-14013X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	639	-
National Aeronautics & Space Administration	Pass-through	43.001	AR7-18008X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	5,187	-
National Aeronautics & Space Administration	Pass-through	43.001	DD5-16078X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	3,683	-
National Aeronautics & Space Administration	Pass-through	43.001	G06-17040X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	8,072	-
National Aeronautics & Space Administration	Pass-through	43.001	G06-17047X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	32,771	-
National Aeronautics & Space Administration	Pass-through	43.001	G03-14029X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	7,695	-
National Aeronautics & Space Administration	Pass-through	43.001	G04-15035A	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	30,753	-
National Aeronautics & Space Administration	Pass-through	43.001	G04-15089A	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	7,852	-
National Aeronautics & Space Administration	Pass-through	43.001	G04-15124X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	1,998	-
National Aeronautics & Space Administration	Pass-through	43.001	G05-16036X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	9,976	-
National Aeronautics & Space Administration	Pass-through	43.001	G05-16084A	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	18,428	-
National Aeronautics & Space Administration	Pass-through	43.001	G05-16132X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	40,565	-
National Aeronautics & Space Administration	Pass-through	43.001	G06-17035X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	5,293	-
National Aeronautics & Space Administration	Pass-through	43.001	G06-17045X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	6,175	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-AR-13261.01-A	SPACE TELESCOPE SCIENCE INST	(2,093)	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-AR-13923.001-A	SPACE TELESCOPE SCIENCE INST	7,854	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-AR-14315.001-A	SPACE TELESCOPE SCIENCE INST	32,847	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-GA-13942.001-A	SPACE TELESCOPE SCIENCE INST	3,821	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-GO-12065.07-A	SPACE TELESCOPE SCIENCE INST	598	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-GO-13295.03-A	SPACE TELESCOPE SCIENCE INST	23	-

MICHIGAN STATE UNIVERSITY  
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
 FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
National Aeronautics & Space Administration	Pass-through	43.001	HST-GO-13367.001-A	SPACE TELESCOPE SCIENCE INST	\$ 7,437	\$ -
National Aeronautics & Space Administration	Pass-through	43.001	HST-GO-13720.001-A	SPACE TELESCOPE SCIENCE INST	4,615	-
National Aeronautics & Space Administration	Pass-through	43.001	HST-GO-14203.002-A	SPACE TELESCOPE SCIENCE INST	6,352	-
National Aeronautics & Space Administration	Pass-through	43.001	MA03401	NATL SPACE BIOMEDICAL RESEARCH	3,752	-
National Aeronautics & Space Administration	Pass-through	43.001	TM7-18005X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	5,187	-
National Aeronautics & Space Administration	Pass-through	43.001	2683602	UNIVERSITY OF MARYLAND	7,375	-
National Aeronautics & Space Administration	Pass-through	43.008	3003977407	UNIVERSITY OF MICHIGAN	12,858	-
	<b>Pass-through Total</b>				<u>480,133</u>	<u>18,000</u>
<b>National Aeronautics &amp; Space Administration Total</b>					<u>2,396,100</u>	<u>216,758</u>
National Science Foundation	Direct	47	DUE-1523739	NATIONAL SCIENCE FOUNDATION	58,874	-
National Science Foundation	Direct	47	SES-1612484-002	NATIONAL SCIENCE FOUNDATION	168,263	-
National Science Foundation	Direct	47.041	1100260	NATIONAL SCIENCE FOUNDATION	16,284	-
National Science Foundation	Direct	47.041	1150376	NATIONAL SCIENCE FOUNDATION	5,128	-
National Science Foundation	Direct	47.041	1231869	NATIONAL SCIENCE FOUNDATION	41,819	-
National Science Foundation	Direct	47.041	1336622	NATIONAL SCIENCE FOUNDATION	(2,807)	-
National Science Foundation	Direct	47.041	1444991	NATIONAL SCIENCE FOUNDATION	37,340	-
National Science Foundation	Direct	47.041	1444991	NATIONAL SCIENCE FOUNDATION	2,290	-
National Science Foundation	Direct	47.041	1463164	NATIONAL SCIENCE FOUNDATION	40,954	-
National Science Foundation	Direct	47.041	1510895	NATIONAL SCIENCE FOUNDATION	89,421	-
National Science Foundation	Direct	47.041	1510895	NATIONAL SCIENCE FOUNDATION	1,461	-
National Science Foundation	Direct	47.041	1511098	NATIONAL SCIENCE FOUNDATION	112,455	-
National Science Foundation	Direct	47.041	1547518	NATIONAL SCIENCE FOUNDATION	103,940	-
National Science Foundation	Direct	47.041	1549517	NATIONAL SCIENCE FOUNDATION	122,118	-
National Science Foundation	Direct	47.041	1549517	NATIONAL SCIENCE FOUNDATION	1,092	-
National Science Foundation	Direct	47.041	1561964	NATIONAL SCIENCE FOUNDATION	77,629	-
National Science Foundation	Direct	47.041	1565232	NATIONAL SCIENCE FOUNDATION	8,511	-
National Science Foundation	Direct	47.041	1600417	NATIONAL SCIENCE FOUNDATION	169,315	135,884
National Science Foundation	Direct	47.041	1603347	NATIONAL SCIENCE FOUNDATION	63,648	-
National Science Foundation	Direct	47.041	1603646	NATIONAL SCIENCE FOUNDATION	48,139	-
National Science Foundation	Direct	47.041	1603705	NATIONAL SCIENCE FOUNDATION	75,112	-
National Science Foundation	Direct	47.041	1603720	NATIONAL SCIENCE FOUNDATION	42,676	-
National Science Foundation	Direct	47.041	1603892	NATIONAL SCIENCE FOUNDATION	36,503	-
National Science Foundation	Direct	47.041	1603892	NATIONAL SCIENCE FOUNDATION	6,047	-
National Science Foundation	Direct	47.041	1628958	NATIONAL SCIENCE FOUNDATION	32,166	-
National Science Foundation	Direct	47.041	1632051	NATIONAL SCIENCE FOUNDATION	119,056	3,489
National Science Foundation	Direct	47.041	1639115	NATIONAL SCIENCE FOUNDATION	87,022	-
National Science Foundation	Direct	47.041	1658802	NATIONAL SCIENCE FOUNDATION	47,216	-
National Science Foundation	Direct	47.041	1700785	NATIONAL SCIENCE FOUNDATION	67,235	-
National Science Foundation	Direct	47.041	1700787	NATIONAL SCIENCE FOUNDATION	41,754	-
National Science Foundation	Direct	47.041	CBET - 1134215	NATIONAL SCIENCE FOUNDATION	63,847	-
National Science Foundation	Direct	47.041	CBET-1233154	NATIONAL SCIENCE FOUNDATION	2,220	-
National Science Foundation	Direct	47.041	CBET-1236120	NATIONAL SCIENCE FOUNDATION	3,995	-
National Science Foundation	Direct	47.041	CBET-1254238	NATIONAL SCIENCE FOUNDATION	49,674	-
National Science Foundation	Direct	47.041	CBET-1254453	NATIONAL SCIENCE FOUNDATION	84,043	-
National Science Foundation	Direct	47.041	CBET-1254662	NATIONAL SCIENCE FOUNDATION	14,568	-
National Science Foundation	Direct	47.041	CBET-1254662	NATIONAL SCIENCE FOUNDATION	12,704	-
National Science Foundation	Direct	47.041	CBET-1258581	NATIONAL SCIENCE FOUNDATION	31,978	-
National Science Foundation	Direct	47.041	CBET-1264772	NATIONAL SCIENCE FOUNDATION	46,494	-
National Science Foundation	Direct	47.041	CBET-1336622	NATIONAL SCIENCE FOUNDATION	32,721	-
National Science Foundation	Direct	47.041	CBET-1437657	NATIONAL SCIENCE FOUNDATION	92,496	-
National Science Foundation	Direct	47.041	CBET-1437657	NATIONAL SCIENCE FOUNDATION	1,130	-
National Science Foundation	Direct	47.041	CBET-1438105	NATIONAL SCIENCE FOUNDATION	92,903	-
National Science Foundation	Direct	47.041	CBET-1507789	NATIONAL SCIENCE FOUNDATION	146,076	-
National Science Foundation	Direct	47.041	CBET-1510203	NATIONAL SCIENCE FOUNDATION	158,383	-
National Science Foundation	Direct	47.041	CMMI-1030821	NATIONAL SCIENCE FOUNDATION	2,889	-
National Science Foundation	Direct	47.041	CMMI-1150376	NATIONAL SCIENCE FOUNDATION	67,943	-
National Science Foundation	Direct	47.041	CMMI-1150376	NATIONAL SCIENCE FOUNDATION	6,378	-
National Science Foundation	Direct	47.041	CMMI-1150376	NATIONAL SCIENCE FOUNDATION	365	-
National Science Foundation	Direct	47.041	CMMI-1150376	NATIONAL SCIENCE FOUNDATION	36	-
National Science Foundation	Direct	47.041	CMMI-1234067	NATIONAL SCIENCE FOUNDATION	950	-
National Science Foundation	Direct	47.041	CMMI-1250261	NATIONAL SCIENCE FOUNDATION	133,761	-
National Science Foundation	Direct	47.041	CMMI-1301243	NATIONAL SCIENCE FOUNDATION	89,162	-
National Science Foundation	Direct	47.041	CMMI-1335177	NATIONAL SCIENCE FOUNDATION	43,826	-
National Science Foundation	Direct	47.041	CMMI-1347533	NATIONAL SCIENCE FOUNDATION	8,457	-
National Science Foundation	Direct	47.041	CMMI-1347533	NATIONAL SCIENCE FOUNDATION	1,374	-
National Science Foundation	Direct	47.041	CMMI-1435126	NATIONAL SCIENCE FOUNDATION	50,809	-
National Science Foundation	Direct	47.041	CMMI-1462118	NATIONAL SCIENCE FOUNDATION	52,818	-
National Science Foundation	Direct	47.041	CMMI-1463006	NATIONAL SCIENCE FOUNDATION	87,441	-
National Science Foundation	Direct	47.041	ECCS-1128467	NATIONAL SCIENCE FOUNDATION	76,045	-
National Science Foundation	Direct	47.041	ECCS-1139773	NATIONAL SCIENCE FOUNDATION	9,601	-
National Science Foundation	Direct	47.041	ECCS-1232109	NATIONAL SCIENCE FOUNDATION	106,385	-
National Science Foundation	Direct	47.041	ECCS-1306311	NATIONAL SCIENCE FOUNDATION	101,521	-
National Science Foundation	Direct	47.041	ECCS-1307939	NATIONAL SCIENCE FOUNDATION	25,679	-
National Science Foundation	Direct	47.041	ECCS-1310257	NATIONAL SCIENCE FOUNDATION	102,883	-
National Science Foundation	Direct	47.041	ECCS-1350560	NATIONAL SCIENCE FOUNDATION	75,696	-
National Science Foundation	Direct	47.041	ECCS-1350560	NATIONAL SCIENCE FOUNDATION	3,195	-
National Science Foundation	Direct	47.041	ECCS-1407880	NATIONAL SCIENCE FOUNDATION	139,809	75,196
National Science Foundation	Direct	47.041	ECCS-1408115	NATIONAL SCIENCE FOUNDATION	50,746	-
National Science Foundation	Direct	47.041	ECCS-1408506	NATIONAL SCIENCE FOUNDATION	75,747	-
National Science Foundation	Direct	47.041	ECCS-1446793	NATIONAL SCIENCE FOUNDATION	218,675	-
National Science Foundation	Direct	47.041	NSF 1544068 Yadav	NATIONAL SCIENCE FOUNDATION	37,081	-
National Science Foundation	Direct	47.041	NSF CBET-1254238 PSC Whitehead	NATIONAL SCIENCE FOUNDATION	7,863	-
National Science Foundation	Direct	47.041	PHY-1531199	NATIONAL SCIENCE FOUNDATION	229,519	-
National Science Foundation	Direct	47.049	10/6/6170	NATIONAL SCIENCE FOUNDATION	60,498	-
National Science Foundation	Direct	47.049	10/6/6170	NATIONAL SCIENCE FOUNDATION	21,522	-
National Science Foundation	Direct	47.049	1056840	NATIONAL SCIENCE FOUNDATION	99,353	-
National Science Foundation	Direct	47.049	1149408	NATIONAL SCIENCE FOUNDATION	56,561	-
National Science Foundation	Direct	47.049	1149408	NATIONAL SCIENCE FOUNDATION	2,647	-
National Science Foundation	Direct	47.049	1150872	NATIONAL SCIENCE FOUNDATION	82,601	-
National Science Foundation	Direct	47.049	1150872	NATIONAL SCIENCE FOUNDATION	5,844	-
National Science Foundation	Direct	47.049	1300096	NATIONAL SCIENCE FOUNDATION	4,848	-
National Science Foundation	Direct	47.049	1403906	NATIONAL SCIENCE FOUNDATION	122,795	-
National Science Foundation	Direct	47.049	1410417	NATIONAL SCIENCE FOUNDATION	18,042	-
National Science Foundation	Direct	47.049	1417352	NATIONAL SCIENCE FOUNDATION	22,000	-
National Science Foundation	Direct	47.049	1453661	NATIONAL SCIENCE FOUNDATION	122,749	-
National Science Foundation	Direct	47.049	1462156	NATIONAL SCIENCE FOUNDATION	48,669	-
National Science Foundation	Direct	47.049	1464807	NATIONAL SCIENCE FOUNDATION	123,061	-
National Science Foundation	Direct	47.049	1465043	NATIONAL SCIENCE FOUNDATION	181,775	-
National Science Foundation	Direct	47.049	1502135	NATIONAL SCIENCE FOUNDATION	3,472	-
National Science Foundation	Direct	47.049	1502135	NATIONAL SCIENCE FOUNDATION	2,398	-
National Science Foundation	Direct	47.049	1505364	NATIONAL SCIENCE FOUNDATION	101,891	-

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
National Science Foundation	Direct	47.049	1507226	NATIONAL SCIENCE FOUNDATION	\$ 46,273	\$ -
National Science Foundation	Direct	47.049	150991	NATIONAL SCIENCE FOUNDATION	81,673	-
National Science Foundation	Direct	47.049	1514591	NATIONAL SCIENCE FOUNDATION	141,097	66,303
National Science Foundation	Direct	47.049	1514700	NATIONAL SCIENCE FOUNDATION	3,561	-
National Science Foundation	Direct	47.049	1514763	NATIONAL SCIENCE FOUNDATION	44,574	-
National Science Foundation	Direct	47.049	1516969	NATIONAL SCIENCE FOUNDATION	106,239	-
National Science Foundation	Direct	47.049	1519045	NATIONAL SCIENCE FOUNDATION	188,024	-
National Science Foundation	Direct	47.049	1520929	NATIONAL SCIENCE FOUNDATION	61,926	-
National Science Foundation	Direct	47.049	1522249	NATIONAL SCIENCE FOUNDATION	138,512	-
National Science Foundation	Direct	47.049	1554315	NATIONAL SCIENCE FOUNDATION	71,771	-
National Science Foundation	Direct	47.049	1562140	NATIONAL SCIENCE FOUNDATION	213,802	-
National Science Foundation	Direct	47.049	1600065	NATIONAL SCIENCE FOUNDATION	80,936	-
National Science Foundation	Direct	47.049	1607089	NATIONAL SCIENCE FOUNDATION	29,057	-
National Science Foundation	Direct	47.049	1607942	NATIONAL SCIENCE FOUNDATION	49,641	-
National Science Foundation	Direct	47.049	1608752	NATIONAL SCIENCE FOUNDATION	56,192	-
National Science Foundation	Direct	47.049	1612624	NATIONAL SCIENCE FOUNDATION	5,000	-
National Science Foundation	Direct	47.049	1612867	NATIONAL SCIENCE FOUNDATION	28,795	-
National Science Foundation	Direct	47.049	1612964	NATIONAL SCIENCE FOUNDATION	8,465	-
National Science Foundation	Direct	47.049	1613899	NATIONAL SCIENCE FOUNDATION	2,055	-
National Science Foundation	Direct	47.049	1614566	NATIONAL SCIENCE FOUNDATION	50,568	-
National Science Foundation	Direct	47.049	1619960	NATIONAL SCIENCE FOUNDATION	29,638	-
National Science Foundation	Direct	47.049	1620047	NATIONAL SCIENCE FOUNDATION	18,321	-
National Science Foundation	Direct	47.049	1620216	NATIONAL SCIENCE FOUNDATION	8,960	-
National Science Foundation	Direct	47.049	1621798	NATIONAL SCIENCE FOUNDATION	378	-
National Science Foundation	Direct	47.049	1625181	NATIONAL SCIENCE FOUNDATION	39,850	-
National Science Foundation	Direct	47.049	1632761	NATIONAL SCIENCE FOUNDATION	53,878	-
National Science Foundation	Direct	47.049	1636555	NATIONAL SCIENCE FOUNDATION	43,580	-
National Science Foundation	Direct	47.049	1636557	NATIONAL SCIENCE FOUNDATION	117,734	-
National Science Foundation	Direct	47.049	1642322	NATIONAL SCIENCE FOUNDATION	35,919	-
National Science Foundation	Direct	47.049	1642322	NATIONAL SCIENCE FOUNDATION	13,328	-
National Science Foundation	Direct	47.049	1663778	NATIONAL SCIENCE FOUNDATION	30,210	-
National Science Foundation	Direct	47.049	1665285	NATIONAL SCIENCE FOUNDATION	16,989	-
National Science Foundation	Direct	47.049	1700026	NATIONAL SCIENCE FOUNDATION	14,799	-
National Science Foundation	Direct	47.049	1708331	NATIONAL SCIENCE FOUNDATION	10,038	-
National Science Foundation	Direct	47.049	1714144	NATIONAL SCIENCE FOUNDATION	13,115	-
National Science Foundation	Direct	47.049	1734183	NATIONAL SCIENCE FOUNDATION	3,569	-
National Science Foundation	Direct	47.049	7/8/6170	NATIONAL SCIENCE FOUNDATION	47,042	-
National Science Foundation	Direct	47.049	7/8/6170	NATIONAL SCIENCE FOUNDATION	10,673	-
National Science Foundation	Direct	47.049	AST-1308124	NATIONAL SCIENCE FOUNDATION	102,012	-
National Science Foundation	Direct	47.049	AST-1412549	NATIONAL SCIENCE FOUNDATION	73,844	-
National Science Foundation	Direct	47.049	AST-1412774	NATIONAL SCIENCE FOUNDATION	94,772	-
National Science Foundation	Direct	47.049	AST-1412980	NATIONAL SCIENCE FOUNDATION	56,951	-
National Science Foundation	Direct	47.049	CHE-1150378	NATIONAL SCIENCE FOUNDATION	32,903	-
National Science Foundation	Direct	47.049	CHE-1151590	NATIONAL SCIENCE FOUNDATION	84,140	-
National Science Foundation	Direct	47.049	CHE-1213299	NATIONAL SCIENCE FOUNDATION	(6,666)	-
National Science Foundation	Direct	47.049	CHE-1213759	NATIONAL SCIENCE FOUNDATION	(15)	-
National Science Foundation	Direct	47.049	CHE-1265738	NATIONAL SCIENCE FOUNDATION	(182)	-
National Science Foundation	Direct	47.049	CHE-1300063	NATIONAL SCIENCE FOUNDATION	43,957	-
National Science Foundation	Direct	47.049	CHE-1358842	NATIONAL SCIENCE FOUNDATION	54,117	-
National Science Foundation	Direct	47.049	CHE-1358842	NATIONAL SCIENCE FOUNDATION	25,840	-
National Science Foundation	Direct	47.049	CHE-1362812	NATIONAL SCIENCE FOUNDATION	45,993	-
National Science Foundation	Direct	47.049	CHE-1412776	NATIONAL SCIENCE FOUNDATION	94,288	-
National Science Foundation	Direct	47.049	CHE-1506315	NATIONAL SCIENCE FOUNDATION	66,756	-
National Science Foundation	Direct	47.049	CHE-1507588	NATIONAL SCIENCE FOUNDATION	57,807	-
National Science Foundation	Direct	47.049	CHE-1516126	NATIONAL SCIENCE FOUNDATION	107,754	-
National Science Foundation	Direct	47.049	CHE-1516126	NATIONAL SCIENCE FOUNDATION	91,109	-
National Science Foundation	Direct	47.049	CHE-1565634	NATIONAL SCIENCE FOUNDATION	82,540	-
National Science Foundation	Direct	47.049	DMR-1126343	NATIONAL SCIENCE FOUNDATION	7,698	-
National Science Foundation	Direct	47.049	DMR-1206356	NATIONAL SCIENCE FOUNDATION	52,305	-
National Science Foundation	Direct	47.049	DMR-1206718	NATIONAL SCIENCE FOUNDATION	(74)	-
National Science Foundation	Direct	47.049	DMR-1410850	NATIONAL SCIENCE FOUNDATION	66,951	-
National Science Foundation	Direct	47.049	DMR-1411102	NATIONAL SCIENCE FOUNDATION	169,862	-
National Science Foundation	Direct	47.049	DMR-1507489	NATIONAL SCIENCE FOUNDATION	170,048	-
National Science Foundation	Direct	47.049	DMS-1005366	NATIONAL SCIENCE FOUNDATION	1,420	-
National Science Foundation	Direct	47.049	DMS-1056965	NATIONAL SCIENCE FOUNDATION	26,239	-
National Science Foundation	Direct	47.049	DMS-1207655	NATIONAL SCIENCE FOUNDATION	18,190	-
National Science Foundation	Direct	47.049	DMS-1208238	NATIONAL SCIENCE FOUNDATION	(183)	-
National Science Foundation	Direct	47.049	DMS-1211292	NATIONAL SCIENCE FOUNDATION	512	-
National Science Foundation	Direct	47.049	DMS-1216547	NATIONAL SCIENCE FOUNDATION	44,995	-
National Science Foundation	Direct	47.049	DMS-1300924	NATIONAL SCIENCE FOUNDATION	56,447	-
National Science Foundation	Direct	47.049	DMS-1305377	NATIONAL SCIENCE FOUNDATION	48,333	-
National Science Foundation	Direct	47.049	DMS-1309156	NATIONAL SCIENCE FOUNDATION	16,432	-
National Science Foundation	Direct	47.049	DMS-1309856	NATIONAL SCIENCE FOUNDATION	263	-
National Science Foundation	Direct	47.049	DMS-1318186	NATIONAL SCIENCE FOUNDATION	(227)	-
National Science Foundation	Direct	47.049	DMS-1346876	NATIONAL SCIENCE FOUNDATION	(14)	-
National Science Foundation	Direct	47.049	DMS-1352407	NATIONAL SCIENCE FOUNDATION	114,449	-
National Science Foundation	Direct	47.049	DMS-1360733	NATIONAL SCIENCE FOUNDATION	72,871	-
National Science Foundation	Direct	47.049	DMS-1362352	NATIONAL SCIENCE FOUNDATION	99,614	-
National Science Foundation	Direct	47.049	DMS-1404754	NATIONAL SCIENCE FOUNDATION	70,578	-
National Science Foundation	Direct	47.049	DMS-1409940	NATIONAL SCIENCE FOUNDATION	78,866	-
National Science Foundation	Direct	47.049	DMS-1409940	NATIONAL SCIENCE FOUNDATION	5,618	-
National Science Foundation	Direct	47.049	DMS-1411411	NATIONAL SCIENCE FOUNDATION	26,324	-
National Science Foundation	Direct	47.049	DMS-1413060	NATIONAL SCIENCE FOUNDATION	58,837	-
National Science Foundation	Direct	47.049	DMS-1416752	NATIONAL SCIENCE FOUNDATION	104,849	-
National Science Foundation	Direct	47.049	DMS-1418804	NATIONAL SCIENCE FOUNDATION	49,328	-
National Science Foundation	Direct	47.049	DMS-1418959	NATIONAL SCIENCE FOUNDATION	162,157	-
National Science Foundation	Direct	47.049	DMS-1500386	NATIONAL SCIENCE FOUNDATION	46,159	-
National Science Foundation	Direct	47.049	DMS-1513481	NATIONAL SCIENCE FOUNDATION	12,416	-
National Science Foundation	Direct	47.049	DMS-1622301	NATIONAL SCIENCE FOUNDATION	9,965	-
National Science Foundation	Direct	47.049	DMS-1715902	NATIONAL SCIENCE FOUNDATION	5,576	-
National Science Foundation	Direct	47.049	NSF-1624942 - Schatz	NATIONAL SCIENCE FOUNDATION	487,373	-
National Science Foundation	Direct	47.049	NSF-DMS-1715902-Hedden	NATIONAL SCIENCE FOUNDATION	39,420	-
National Science Foundation	Direct	47.049	NSF-PSC-1404442-Brown	NATIONAL SCIENCE FOUNDATION	3,374	-
National Science Foundation	Direct	47.049	PHY-1062410	NATIONAL SCIENCE FOUNDATION	37,935	-
National Science Foundation	Direct	47.049	PHY-1062410	NATIONAL SCIENCE FOUNDATION	13,865	-
National Science Foundation	Direct	47.049	PHY-1068318	NATIONAL SCIENCE FOUNDATION	65,598	65,599
National Science Foundation	Direct	47.049	PHY-1102511	NATIONAL SCIENCE FOUNDATION	7,200,759	-
National Science Foundation	Direct	47.049	PHY-1126282	NATIONAL SCIENCE FOUNDATION	(49,479)	-
National Science Foundation	Direct	47.049	PHY-1350234	NATIONAL SCIENCE FOUNDATION	109,017	-
National Science Foundation	Direct	47.049	PHY-1350234	NATIONAL SCIENCE FOUNDATION	10,202	-
National Science Foundation	Direct	47.049	PHY-1404159	NATIONAL SCIENCE FOUNDATION	208,728	-
National Science Foundation	Direct	47.049	PHY-1404442	NATIONAL SCIENCE FOUNDATION	296,885	65,381

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Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
National Science Foundation	Direct	47.049	PHY-1410972	NATIONAL SCIENCE FOUNDATION	\$ 1,350,080	\$ -
National Science Foundation	Direct	47.049	PHY-1415462	NATIONAL SCIENCE FOUNDATION	115,810	-
National Science Foundation	Direct	47.049	PHY-1417326	NATIONAL SCIENCE FOUNDATION	325,197	-
National Science Foundation	Direct	47.049	PHY-1428914	NATIONAL SCIENCE FOUNDATION	240,925	-
National Science Foundation	Direct	47.049	PHY-1430152	NATIONAL SCIENCE FOUNDATION	2,181,470	1,342,967
National Science Foundation	Direct	47.049	PHY-1430152	NATIONAL SCIENCE FOUNDATION	108,477	-
National Science Foundation	Direct	47.049	PHY-1520971	NATIONAL SCIENCE FOUNDATION	89,112	-
National Science Foundation	Direct	47.049	PHY-1565546	NATIONAL SCIENCE FOUNDATION	15,107,047	-
National Science Foundation	Direct	47.050	1039180	NATIONAL SCIENCE FOUNDATION	176,269	-
National Science Foundation	Direct	47.050	1443165	NATIONAL SCIENCE FOUNDATION	61,961	-
National Science Foundation	Direct	47.050	1446328	NATIONAL SCIENCE FOUNDATION	67,919	-
National Science Foundation	Direct	47.050	1456430	NATIONAL SCIENCE FOUNDATION	95,185	-
National Science Foundation	Direct	47.050	1523628	NATIONAL SCIENCE FOUNDATION	314,000	93,571
National Science Foundation	Direct	47.050	1531086	NATIONAL SCIENCE FOUNDATION	100,022	-
National Science Foundation	Direct	47.050	1540576	NATIONAL SCIENCE FOUNDATION	16,353	9,285
National Science Foundation	Direct	47.050	1549764	NATIONAL SCIENCE FOUNDATION	24,913	-
National Science Foundation	Direct	47.050	1551872	NATIONAL SCIENCE FOUNDATION	5,841	-
National Science Foundation	Direct	47.050	1620509	NATIONAL SCIENCE FOUNDATION	14,039	-
National Science Foundation	Direct	47.050	1630399	NATIONAL SCIENCE FOUNDATION	84,965	-
National Science Foundation	Direct	47.050	1638958	NATIONAL SCIENCE FOUNDATION	49,395	-
National Science Foundation	Direct	47.050	1644453	NATIONAL SCIENCE FOUNDATION	4,817	-
National Science Foundation	Direct	47.050	1649117	NATIONAL SCIENCE FOUNDATION	2,690	-
National Science Foundation	Direct	47.050	1664332	NATIONAL SCIENCE FOUNDATION	38,218	-
National Science Foundation	Direct	47.050	BCS-1263477	NATIONAL SCIENCE FOUNDATION	166	-
National Science Foundation	Direct	47.050	EAR-1348935	NATIONAL SCIENCE FOUNDATION	14,530	-
National Science Foundation	Direct	47.050	EAR-1462057	NATIONAL SCIENCE FOUNDATION	40,816	-
National Science Foundation	Direct	47.070	1054585	NATIONAL SCIENCE FOUNDATION	39,825	-
National Science Foundation	Direct	47.070	1054585	NATIONAL SCIENCE FOUNDATION	2,623	-
National Science Foundation	Direct	47.070	1115926	NATIONAL SCIENCE FOUNDATION	7,642	-
National Science Foundation	Direct	47.070	1115926	NATIONAL SCIENCE FOUNDATION	3,114	-
National Science Foundation	Direct	47.070	1350253	NATIONAL SCIENCE FOUNDATION	13,362	-
National Science Foundation	Direct	47.070	1524698	NATIONAL SCIENCE FOUNDATION	48,634	-
National Science Foundation	Direct	47.070	1533802	NATIONAL SCIENCE FOUNDATION	10,556	-
National Science Foundation	Direct	47.070	1560168	NATIONAL SCIENCE FOUNDATION	38,065	-
National Science Foundation	Direct	47.070	1560168	NATIONAL SCIENCE FOUNDATION	12,552	-
National Science Foundation	Direct	47.070	1565596	NATIONAL SCIENCE FOUNDATION	73,537	-
National Science Foundation	Direct	47.070	1565604	NATIONAL SCIENCE FOUNDATION	33,218	-
National Science Foundation	Direct	47.070	1615489	NATIONAL SCIENCE FOUNDATION	28,560	-
National Science Foundation	Direct	47.070	1615597	NATIONAL SCIENCE FOUNDATION	4,734	-
National Science Foundation	Direct	47.070	1617412	NATIONAL SCIENCE FOUNDATION	11,081	-
National Science Foundation	Direct	47.070	1617627	NATIONAL SCIENCE FOUNDATION	14,305	-
National Science Foundation	Direct	47.070	1617682	NATIONAL SCIENCE FOUNDATION	180,994	-
National Science Foundation	Direct	47.070	1622659	NATIONAL SCIENCE FOUNDATION	74,228	-
National Science Foundation	Direct	47.070	1645783	NATIONAL SCIENCE FOUNDATION	13,104	-
National Science Foundation	Direct	47.070	1655422	NATIONAL SCIENCE FOUNDATION	32,893	-
National Science Foundation	Direct	47.070	1656905	NATIONAL SCIENCE FOUNDATION	5,420	-
National Science Foundation	Direct	47.070	ACI-1514580	NATIONAL SCIENCE FOUNDATION	26,737	-
National Science Foundation	Direct	47.070	ACI-1566049	NATIONAL SCIENCE FOUNDATION	38,889	-
National Science Foundation	Direct	47.070	CCF-1101266	NATIONAL SCIENCE FOUNDATION	3,863	-
National Science Foundation	Direct	47.070	CCF-1117900	NATIONAL SCIENCE FOUNDATION	23,419	-
National Science Foundation	Direct	47.070	CCF-1218377	NATIONAL SCIENCE FOUNDATION	4,458	-
National Science Foundation	Direct	47.070	CCF-1331852	NATIONAL SCIENCE FOUNDATION	15,650	-
National Science Foundation	Direct	47.070	CCF-1422262	NATIONAL SCIENCE FOUNDATION	42,185	-
National Science Foundation	Direct	47.070	CCF-1565719	NATIONAL SCIENCE FOUNDATION	38,815	-
National Science Foundation	Direct	47.070	CNS 1017598	NATIONAL SCIENCE FOUNDATION	4,256	-
National Science Foundation	Direct	47.070	CNS 1305358	NATIONAL SCIENCE FOUNDATION	29,542	-
National Science Foundation	Direct	47.070	CNS 1502462	NATIONAL SCIENCE FOUNDATION	228,777	176,934
National Science Foundation	Direct	47.070	CNS-0954039	NATIONAL SCIENCE FOUNDATION	104	-
National Science Foundation	Direct	47.070	CNS-1116544	NATIONAL SCIENCE FOUNDATION	10,896	-
National Science Foundation	Direct	47.070	CNS-1117831	NATIONAL SCIENCE FOUNDATION	789	-
National Science Foundation	Direct	47.070	CNS-1217206	NATIONAL SCIENCE FOUNDATION	111,639	-
National Science Foundation	Direct	47.070	CNS-1318563	NATIONAL SCIENCE FOUNDATION	37,053	-
National Science Foundation	Direct	47.070	CNS-1318678	NATIONAL SCIENCE FOUNDATION	114,942	-
National Science Foundation	Direct	47.070	CNS-1320561	NATIONAL SCIENCE FOUNDATION	129,605	31,844
National Science Foundation	Direct	47.070	CNS-1329807	NATIONAL SCIENCE FOUNDATION	123,598	-
National Science Foundation	Direct	47.070	CNS-1405273	NATIONAL SCIENCE FOUNDATION	154,089	87,899
National Science Foundation	Direct	47.070	CNS-1421407	NATIONAL SCIENCE FOUNDATION	133,793	-
National Science Foundation	Direct	47.070	CNS-1423221	NATIONAL SCIENCE FOUNDATION	169,534	-
National Science Foundation	Direct	47.070	CNS-1502462	NATIONAL SCIENCE FOUNDATION	6,884	-
National Science Foundation	Direct	47.070	CNS-1524296	NATIONAL SCIENCE FOUNDATION	34,318	-
National Science Foundation	Direct	47.070	CNS-1524505	NATIONAL SCIENCE FOUNDATION	73,981	-
National Science Foundation	Direct	47.070	CNS-1547012	NATIONAL SCIENCE FOUNDATION	149,884	-
National Science Foundation	Direct	47.070	CNS-1609339	NATIONAL SCIENCE FOUNDATION	94,814	-
National Science Foundation	Direct	47.070	CNS-1609339	NATIONAL SCIENCE FOUNDATION	69,272	-
National Science Foundation	Direct	47.070	CNS1618518	NATIONAL SCIENCE FOUNDATION	21,128	-
National Science Foundation	Direct	47.070	IIS-0953096	NATIONAL SCIENCE FOUNDATION	5,096	-
National Science Foundation	Direct	47.070	IIS-1208390	NATIONAL SCIENCE FOUNDATION	25,274	-
National Science Foundation	Direct	47.070	IIS-1208390	NATIONAL SCIENCE FOUNDATION	14,740	-
National Science Foundation	Direct	47.070	IIS-1217212	NATIONAL SCIENCE FOUNDATION	110,570	-
National Science Foundation	Direct	47.070	IIS-1217212	NATIONAL SCIENCE FOUNDATION	86	-
National Science Foundation	Direct	47.070	IIS-1302285	NATIONAL SCIENCE FOUNDATION	376,373	-
National Science Foundation	Direct	47.070	IIS-1302285	NATIONAL SCIENCE FOUNDATION	2,379	-
National Science Foundation	Direct	47.070	IIS-1319602	NATIONAL SCIENCE FOUNDATION	76,220	-
National Science Foundation	Direct	47.070	IIS-1319909	NATIONAL SCIENCE FOUNDATION	50,841	-
National Science Foundation	Direct	47.070	IIS-1350253	NATIONAL SCIENCE FOUNDATION	78,356	-
National Science Foundation	Direct	47.070	IIS-1403004	NATIONAL SCIENCE FOUNDATION	40,190	-
National Science Foundation	Direct	47.070	IIS-1422316	NATIONAL SCIENCE FOUNDATION	122,641	-
National Science Foundation	Direct	47.070	IIS-1422316	NATIONAL SCIENCE FOUNDATION	3,344	-
National Science Foundation	Direct	47.070	IIS-1452479	NATIONAL SCIENCE FOUNDATION	115,544	-
National Science Foundation	Direct	47.070	IIS-1615612	NATIONAL SCIENCE FOUNDATION	47,521	-
National Science Foundation	Direct	47.070	IIS-1615612	NATIONAL SCIENCE FOUNDATION	11,829	-
National Science Foundation	Direct	47.070	NSF-1617466-Ross	NATIONAL SCIENCE FOUNDATION	17,248	-
National Science Foundation	Direct	47.074	0939454	NATIONAL SCIENCE FOUNDATION	5,205,008	2,005,365
National Science Foundation	Direct	47.074	0939454	NATIONAL SCIENCE FOUNDATION	106,155	-
National Science Foundation	Direct	47.074	0939454	NATIONAL SCIENCE FOUNDATION	(277)	-
National Science Foundation	Direct	47.074	0939454	NATIONAL SCIENCE FOUNDATION	(6,783)	-
National Science Foundation	Direct	47.074	0952659	NATIONAL SCIENCE FOUNDATION	65,160	-
National Science Foundation	Direct	47.074	1027253	NATIONAL SCIENCE FOUNDATION	221,327	-
National Science Foundation	Direct	47.074	1027253	NATIONAL SCIENCE FOUNDATION	139,414	-
National Science Foundation	Direct	47.074	1027253	NATIONAL SCIENCE FOUNDATION	108,721	-
National Science Foundation	Direct	47.074	1253225	NATIONAL SCIENCE FOUNDATION	13,786	-
National Science Foundation	Direct	47.074	1253225	NATIONAL SCIENCE FOUNDATION	13,475	-

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Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
National Science Foundation	Direct	47.074	1257756	NATIONAL SCIENCE FOUNDATION	\$ 8,316	\$ -
National Science Foundation	Direct	47.074	1354089	NATIONAL SCIENCE FOUNDATION	134,850	-
National Science Foundation	Direct	47.074	1356380	NATIONAL SCIENCE FOUNDATION	72,662	-
National Science Foundation	Direct	47.074	1455405	NATIONAL SCIENCE FOUNDATION	95,793	1,568
National Science Foundation	Direct	47.074	1455405	NATIONAL SCIENCE FOUNDATION	7,387	-
National Science Foundation	Direct	47.074	1456615	NATIONAL SCIENCE FOUNDATION	88,423	-
National Science Foundation	Direct	47.074	1514706	NATIONAL SCIENCE FOUNDATION	249,495	-
National Science Foundation	Direct	47.074	1518366	NATIONAL SCIENCE FOUNDATION	220,753	39,301
National Science Foundation	Direct	47.074	1547961	NATIONAL SCIENCE FOUNDATION	3,630	-
National Science Foundation	Direct	47.074	1550765	NATIONAL SCIENCE FOUNDATION	13,270	-
National Science Foundation	Direct	47.074	1556262	NATIONAL SCIENCE FOUNDATION	128,432	22,713
National Science Foundation	Direct	47.074	1556262	NATIONAL SCIENCE FOUNDATION	70,615	-
National Science Foundation	Direct	47.074	1556262	NATIONAL SCIENCE FOUNDATION	4,568	-
National Science Foundation	Direct	47.074	1557324	NATIONAL SCIENCE FOUNDATION	145,745	-
National Science Foundation	Direct	47.074	1557324	NATIONAL SCIENCE FOUNDATION	7,749	-
National Science Foundation	Direct	47.074	1557437	NATIONAL SCIENCE FOUNDATION	373,646	-
National Science Foundation	Direct	47.074	1557657	NATIONAL SCIENCE FOUNDATION	23,469	-
National Science Foundation	Direct	47.074	1600556	NATIONAL SCIENCE FOUNDATION	53,618	-
National Science Foundation	Direct	47.074	1620018	NATIONAL SCIENCE FOUNDATION	11,249	-
National Science Foundation	Direct	47.074	1637653	NATIONAL SCIENCE FOUNDATION	293,448	-
National Science Foundation	Direct	47.074	1637653	NATIONAL SCIENCE FOUNDATION	376	-
National Science Foundation	Direct	47.074	1638679	NATIONAL SCIENCE FOUNDATION	150,692	-
National Science Foundation	Direct	47.074	1638778	NATIONAL SCIENCE FOUNDATION	21,810	-
National Science Foundation	Direct	47.074	1655386	NATIONAL SCIENCE FOUNDATION	1,064	-
National Science Foundation	Direct	47.074	1655392	NATIONAL SCIENCE FOUNDATION	5,169	-
National Science Foundation	Direct	47.074	1701602	NATIONAL SCIENCE FOUNDATION	510	-
National Science Foundation	Direct	47.074	1719376	NATIONAL SCIENCE FOUNDATION	7,370	-
National Science Foundation	Direct	47.074	1735934	NATIONAL SCIENCE FOUNDATION	76,030	-
National Science Foundation	Direct	47.074	1753543	NATIONAL SCIENCE FOUNDATION	447,114	103,669
National Science Foundation	Direct	47.074	BCS-1349125	NATIONAL SCIENCE FOUNDATION	2,540	-
National Science Foundation	Direct	47.074	DBI-0939454	NATIONAL SCIENCE FOUNDATION	13,054	13,054
National Science Foundation	Direct	47.074	DBI-0953738	NATIONAL SCIENCE FOUNDATION	65,778	-
National Science Foundation	Direct	47.074	DBI-1358474	NATIONAL SCIENCE FOUNDATION	111,347	-
National Science Foundation	Direct	47.074	DBI-1358474	NATIONAL SCIENCE FOUNDATION	16,788	-
National Science Foundation	Direct	47.074	DBI-1359302	NATIONAL SCIENCE FOUNDATION	60,836	-
National Science Foundation	Direct	47.074	DBI-1359302	NATIONAL SCIENCE FOUNDATION	2,656	-
National Science Foundation	Direct	47.074	DBI-1458556	NATIONAL SCIENCE FOUNDATION	(1)	-
National Science Foundation	Direct	47.074	DBI-1460569	NATIONAL SCIENCE FOUNDATION	141,899	-
National Science Foundation	Direct	47.074	DBI-1460569	NATIONAL SCIENCE FOUNDATION	(6,341)	-
National Science Foundation	Direct	47.074	DEB - 1401582	NATIONAL SCIENCE FOUNDATION	5,322	-
National Science Foundation	Direct	47.074	DEB 1354878	NATIONAL SCIENCE FOUNDATION	60,112	-
National Science Foundation	Direct	47.074	DEB-0845932	NATIONAL SCIENCE FOUNDATION	(5)	-
National Science Foundation	Direct	47.074	DEB-0919452	NATIONAL SCIENCE FOUNDATION	(21)	-
National Science Foundation	Direct	47.074	DEB-1027253	NATIONAL SCIENCE FOUNDATION	151,527	-
National Science Foundation	Direct	47.074	DEB-1027253	NATIONAL SCIENCE FOUNDATION	64,444	-
National Science Foundation	Direct	47.074	DEB-1027253	NATIONAL SCIENCE FOUNDATION	49,410	-
National Science Foundation	Direct	47.074	DEB-1027253	NATIONAL SCIENCE FOUNDATION	37,944	-
National Science Foundation	Direct	47.074	DEB-1027253	NATIONAL SCIENCE FOUNDATION	35,911	-
National Science Foundation	Direct	47.074	DEB-1027253	NATIONAL SCIENCE FOUNDATION	31,726	-
National Science Foundation	Direct	47.074	DEB-1027253	NATIONAL SCIENCE FOUNDATION	22,202	-
National Science Foundation	Direct	47.074	DEB-1027253	NATIONAL SCIENCE FOUNDATION	21,473	-
National Science Foundation	Direct	47.074	DEB-1027253	NATIONAL SCIENCE FOUNDATION	7,778	-
National Science Foundation	Direct	47.074	DEB-1027253	NATIONAL SCIENCE FOUNDATION	5,603	-
National Science Foundation	Direct	47.074	DEB-1027253	NATIONAL SCIENCE FOUNDATION	3,216	-
National Science Foundation	Direct	47.074	DEB-1136710	NATIONAL SCIENCE FOUNDATION	72,785	-
National Science Foundation	Direct	47.074	DEB-1145808	NATIONAL SCIENCE FOUNDATION	111,798	-
National Science Foundation	Direct	47.074	DEB-1256663	NATIONAL SCIENCE FOUNDATION	1,175	-
National Science Foundation	Direct	47.074	DEB-1257756	NATIONAL SCIENCE FOUNDATION	37,377	-
National Science Foundation	Direct	47.074	DEB-1258005	NATIONAL SCIENCE FOUNDATION	54,136	-
National Science Foundation	Direct	47.074	DEB-1313677	NATIONAL SCIENCE FOUNDATION	(58)	-
National Science Foundation	Direct	47.074	DEB-1342793	NATIONAL SCIENCE FOUNDATION	24,021	-
National Science Foundation	Direct	47.074	DEB-1342793	NATIONAL SCIENCE FOUNDATION	17,650	-
National Science Foundation	Direct	47.074	DEB-1354085	NATIONAL SCIENCE FOUNDATION	5,049	-
National Science Foundation	Direct	47.074	DEB-1354085	NATIONAL SCIENCE FOUNDATION	1,605	-
National Science Foundation	Direct	47.074	DEB-1354414	NATIONAL SCIENCE FOUNDATION	98,631	81,886
National Science Foundation	Direct	47.074	DEB-1359138	NATIONAL SCIENCE FOUNDATION	25,226	-
National Science Foundation	Direct	47.074	DEB-1407149	NATIONAL SCIENCE FOUNDATION	87	-
National Science Foundation	Direct	47.074	DEB-1451740	NATIONAL SCIENCE FOUNDATION	74,781	-
National Science Foundation	Direct	47.074	DEB-1518518	NATIONAL SCIENCE FOUNDATION	681,994	78,633
National Science Foundation	Direct	47.074	DEB-1547024	NATIONAL SCIENCE FOUNDATION	46,073	-
National Science Foundation	Direct	47.074	DEB-1547549	NATIONAL SCIENCE FOUNDATION	3,705	-
National Science Foundation	Direct	47.074	DEB-1547961	NATIONAL SCIENCE FOUNDATION	14,104	-
National Science Foundation	Direct	47.074	DEB-1552197	NATIONAL SCIENCE FOUNDATION	106,121	-
National Science Foundation	Direct	47.074	DEB-1552197	NATIONAL SCIENCE FOUNDATION	1,905	-
National Science Foundation	Direct	47.074	EF-1065786	NATIONAL SCIENCE FOUNDATION	76,429	-
National Science Foundation	Direct	47.074	EF-1065786	NATIONAL SCIENCE FOUNDATION	66,257	-
National Science Foundation	Direct	47.074	EF-1114856	NATIONAL SCIENCE FOUNDATION	1,478	-
National Science Foundation	Direct	47.074	EF-1137309	NATIONAL SCIENCE FOUNDATION	142,671	-
National Science Foundation	Direct	47.074	EF-1340604	NATIONAL SCIENCE FOUNDATION	2,302	-
National Science Foundation	Direct	47.074	EF-1340812	NATIONAL SCIENCE FOUNDATION	659,993	-
National Science Foundation	Direct	47.074	IOS-0922493	NATIONAL SCIENCE FOUNDATION	(245)	6,285
National Science Foundation	Direct	47.074	IOS-1025636	NATIONAL SCIENCE FOUNDATION	124,733	20,968
National Science Foundation	Direct	47.074	IOS-1051919	NATIONAL SCIENCE FOUNDATION	6,822	-
National Science Foundation	Direct	47.074	IOS-1054243	NATIONAL SCIENCE FOUNDATION	(62)	-
National Science Foundation	Direct	47.074	IOS-1121474	NATIONAL SCIENCE FOUNDATION	1	-
National Science Foundation	Direct	47.074	IOS-1144391	NATIONAL SCIENCE FOUNDATION	8	-
National Science Foundation	Direct	47.074	IOS-1146128	NATIONAL SCIENCE FOUNDATION	1,761	-
National Science Foundation	Direct	47.074	IOS-1146128	NATIONAL SCIENCE FOUNDATION	(3,929)	-
National Science Foundation	Direct	47.074	IOS-1146614	NATIONAL SCIENCE FOUNDATION	71,841	-
National Science Foundation	Direct	47.074	IOS-1237969	NATIONAL SCIENCE FOUNDATION	613,748	238,405
National Science Foundation	Direct	47.074	IOS-1237969	NATIONAL SCIENCE FOUNDATION	116,254	-
National Science Foundation	Direct	47.074	IOS-1237969	NATIONAL SCIENCE FOUNDATION	76,790	-
National Science Foundation	Direct	47.074	IOS-1237969	NATIONAL SCIENCE FOUNDATION	6,244	-
National Science Foundation	Direct	47.074	IOS-1331218	NATIONAL SCIENCE FOUNDATION	61,869	-
National Science Foundation	Direct	47.074	IOS-1350772	NATIONAL SCIENCE FOUNDATION	175,931	-
National Science Foundation	Direct	47.074	IOS-1350772	NATIONAL SCIENCE FOUNDATION	3,103	-
National Science Foundation	Direct	47.074	IOS-1353110	NATIONAL SCIENCE FOUNDATION	125,015	2,308
National Science Foundation	Direct	47.074	IOS-1354195	NATIONAL SCIENCE FOUNDATION	200,002	-
National Science Foundation	Direct	47.074	IOS-1354721	NATIONAL SCIENCE FOUNDATION	172,911	-
National Science Foundation	Direct	47.074	IOS-1354721	NATIONAL SCIENCE FOUNDATION	6,367	-
National Science Foundation	Direct	47.074	IOS-1444499	NATIONAL SCIENCE FOUNDATION	675,929	429,287
National Science Foundation	Direct	47.074	IOS-1444499	NATIONAL SCIENCE FOUNDATION	10,191	-

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Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
National Science Foundation	Direct	47.074	IOS-1444499	NATIONAL SCIENCE FOUNDATION	\$ 174	\$ -
National Science Foundation	Direct	47.074	IOS-1456482	NATIONAL SCIENCE FOUNDATION	196,072	-
National Science Foundation	Direct	47.074	IOS-1456864	NATIONAL SCIENCE FOUNDATION	109,693	-
National Science Foundation	Direct	47.074	IOS-1456864	NATIONAL SCIENCE FOUNDATION	8,330	-
National Science Foundation	Direct	47.074	MCB-1119778	NATIONAL SCIENCE FOUNDATION	33,725	-
National Science Foundation	Direct	47.074	MCB-1121650	NATIONAL SCIENCE FOUNDATION	171,707	-
National Science Foundation	Direct	47.074	MCB-1121650	NATIONAL SCIENCE FOUNDATION	4,066	-
National Science Foundation	Direct	47.074	MCB-1121650	NATIONAL SCIENCE FOUNDATION	243	-
National Science Foundation	Direct	47.074	MCB-1121943	NATIONAL SCIENCE FOUNDATION	99,038	-
National Science Foundation	Direct	47.074	MCB-1243654	NATIONAL SCIENCE FOUNDATION	98,467	-
National Science Foundation	Direct	47.074	MCB-1243792	NATIONAL SCIENCE FOUNDATION	127,189	-
National Science Foundation	Direct	47.074	MCB-1243792	NATIONAL SCIENCE FOUNDATION	(1,658)	-
National Science Foundation	Direct	47.074	MCB-1243983	NATIONAL SCIENCE FOUNDATION	30,208	-
National Science Foundation	Direct	47.074	MCB-1243983	NATIONAL SCIENCE FOUNDATION	1,476	-
National Science Foundation	Direct	47.074	MCB-1244300	NATIONAL SCIENCE FOUNDATION	52,894	-
National Science Foundation	Direct	47.074	MCB-1253684	NATIONAL SCIENCE FOUNDATION	121,634	-
National Science Foundation	Direct	47.074	MCB-1330441	NATIONAL SCIENCE FOUNDATION	130,208	-
National Science Foundation	Direct	47.074	MCB-1330441	NATIONAL SCIENCE FOUNDATION	(18,750)	-
National Science Foundation	Direct	47.074	MCB-1330560	NATIONAL SCIENCE FOUNDATION	133,062	-
National Science Foundation	Direct	47.074	MCB-135594	NATIONAL SCIENCE FOUNDATION	114,468	-
National Science Foundation	Direct	47.074	MCB-1359636	NATIONAL SCIENCE FOUNDATION	38,447	-
National Science Foundation	Direct	47.074	MCB-1411272	NATIONAL SCIENCE FOUNDATION	226,032	88,388
National Science Foundation	Direct	47.074	MCB-1411272	NATIONAL SCIENCE FOUNDATION	13,770	-
National Science Foundation	Direct	47.074	MCB-1413356	NATIONAL SCIENCE FOUNDATION	191,968	-
National Science Foundation	Direct	47.074	MCB-1515002	NATIONAL SCIENCE FOUNDATION	58,391	-
National Science Foundation	Direct	47.074	MCB-1515002	NATIONAL SCIENCE FOUNDATION	2,862	-
National Science Foundation	Direct	47.074	MCB-1515169	NATIONAL SCIENCE FOUNDATION	196,308	-
National Science Foundation	Direct	47.074	MCB-1515169	NATIONAL SCIENCE FOUNDATION	604	-
National Science Foundation	Direct	47.074	MCB-1517241	NATIONAL SCIENCE FOUNDATION	140,796	-
National Science Foundation	Direct	47.074	MCB-1517241	NATIONAL SCIENCE FOUNDATION	5,075	-
National Science Foundation	Direct	47.074	NSF DEB 0919452 CONNER	NATIONAL SCIENCE FOUNDATION	11	-
National Science Foundation	Direct	47.074	NSF-0939454-Goodman- PSC	NATIONAL SCIENCE FOUNDATION	5,011	-
National Science Foundation	Direct	47.074	NSF-1546617-Barry	NATIONAL SCIENCE FOUNDATION	95,636	-
National Science Foundation	Direct	47.074	NSF-1546617-Jones	NATIONAL SCIENCE FOUNDATION	190,945	-
National Science Foundation	Direct	47.074	NSF-1546617-Last	NATIONAL SCIENCE FOUNDATION	165,105	103,831
National Science Foundation	Direct	47.074	NSF-1546617-Shiu	NATIONAL SCIENCE FOUNDATION	138,068	-
National Science Foundation	Direct	47.074	NSF-1546657-Buell	NATIONAL SCIENCE FOUNDATION	4,249	-
National Science Foundation	Direct	47.074	NSF-1637653-REU PSC-Hamilton	NATIONAL SCIENCE FOUNDATION	14,011	-
National Science Foundation	Direct	47.074	NSF-1637653-Landis	NATIONAL SCIENCE FOUNDATION	17,829	-
National Science Foundation	Direct	47.074	NSF-1637653-Lau	NATIONAL SCIENCE FOUNDATION	11,235	-
National Science Foundation	Direct	47.074	NSF-1637653-Swinton	NATIONAL SCIENCE FOUNDATION	5,278	-
National Science Foundation	Direct	47.074	NSF-1638778-Boughman	NATIONAL SCIENCE FOUNDATION	2,144	-
National Science Foundation	Direct	47.074	NSF-Buell	NATIONAL SCIENCE FOUNDATION	9,707	-
National Science Foundation	Direct	47.075	1457138	NATIONAL SCIENCE FOUNDATION	109	-
National Science Foundation	Direct	47.075	1533499	NATIONAL SCIENCE FOUNDATION	66,919	-
National Science Foundation	Direct	47.075	1540314	NATIONAL SCIENCE FOUNDATION	144,575	28,764
National Science Foundation	Direct	47.075	1556270	NATIONAL SCIENCE FOUNDATION	33,691	-
National Science Foundation	Direct	47.075	1559045	NATIONAL SCIENCE FOUNDATION	26,736	-
National Science Foundation	Direct	47.075	1559045	NATIONAL SCIENCE FOUNDATION	7,211	-
National Science Foundation	Direct	47.075	1559045	NATIONAL SCIENCE FOUNDATION	3,098	-
National Science Foundation	Direct	47.075	1560846	NATIONAL SCIENCE FOUNDATION	132,613	-
National Science Foundation	Direct	47.075	1560846	NATIONAL SCIENCE FOUNDATION	12,550	-
National Science Foundation	Direct	47.075	1637010	NATIONAL SCIENCE FOUNDATION	9,729	-
National Science Foundation	Direct	47.075	1638167	NATIONAL SCIENCE FOUNDATION	69,072	-
National Science Foundation	Direct	47.075	1650013	NATIONAL SCIENCE FOUNDATION	107,017	-
National Science Foundation	Direct	47.075	1744094	NATIONAL SCIENCE FOUNDATION	1,417	-
National Science Foundation	Direct	47.075	BCS-1149078	NATIONAL SCIENCE FOUNDATION	93,070	-
National Science Foundation	Direct	47.075	BCS-1431063	NATIONAL SCIENCE FOUNDATION	93,910	-
National Science Foundation	Direct	47.075	BCS-1431063	NATIONAL SCIENCE FOUNDATION	5,392	-
National Science Foundation	Direct	47.075	BCS-1449667	NATIONAL SCIENCE FOUNDATION	25	-
National Science Foundation	Direct	47.075	BCS-1536133	NATIONAL SCIENCE FOUNDATION	9,040	-
National Science Foundation	Direct	47.075	BCS-1656133	NATIONAL SCIENCE FOUNDATION	5,705	-
National Science Foundation	Direct	47.075	NSF 1630982 Reimers	NATIONAL SCIENCE FOUNDATION	38,869	-
National Science Foundation	Direct	47.075	NSF SE5-1231206 PSC Miller	NATIONAL SCIENCE FOUNDATION	9,827	-
National Science Foundation	Direct	47.075	NSF SE5-1338614 O'Rourke	NATIONAL SCIENCE FOUNDATION	9,992	-
National Science Foundation	Direct	47.075	NSF SMA 1064157 COOK	NATIONAL SCIENCE FOUNDATION	9,033	-
National Science Foundation	Direct	47.075	NSF-1650013-JeitschkoThomas	NATIONAL SCIENCE FOUNDATION	159,036	-
National Science Foundation	Direct	47.075	SES-1231206	NATIONAL SCIENCE FOUNDATION	929	-
National Science Foundation	Direct	47.075	SES-1318885	NATIONAL SCIENCE FOUNDATION	37,990	-
National Science Foundation	Direct	47.075	SES-1330999	NATIONAL SCIENCE FOUNDATION	3,837	-
National Science Foundation	Direct	47.075	SES-1429948	NATIONAL SCIENCE FOUNDATION	65,816	-
National Science Foundation	Direct	47.075	SES-1430372	NATIONAL SCIENCE FOUNDATION	130,420	-
National Science Foundation	Direct	47.075	SES-1449466	NATIONAL SCIENCE FOUNDATION	149,007	74,549
National Science Foundation	Direct	47.075	SES-1559067	NATIONAL SCIENCE FOUNDATION	165,267	-
National Science Foundation	Direct	47.075	SMA-1328503	NATIONAL SCIENCE FOUNDATION	167	4,903
National Science Foundation	Direct	47.075	SMA-1416730	NATIONAL SCIENCE FOUNDATION	141,740	74,278
National Science Foundation	Direct	47.075	SMA-1416730	NATIONAL SCIENCE FOUNDATION	48,008	-
National Science Foundation	Direct	47.075	SMA-1416730	NATIONAL SCIENCE FOUNDATION	46,601	-
National Science Foundation	Direct	47.076	1253036	NATIONAL SCIENCE FOUNDATION	119,795	-
National Science Foundation	Direct	47.076	1253036	NATIONAL SCIENCE FOUNDATION	12,192	-
National Science Foundation	Direct	47.076	1316908	NATIONAL SCIENCE FOUNDATION	134,744	-
National Science Foundation	Direct	47.076	1440988	NATIONAL SCIENCE FOUNDATION	1,589,254	482,198
National Science Foundation	Direct	47.076	1440988	NATIONAL SCIENCE FOUNDATION	141,849	-
National Science Foundation	Direct	47.076	1503211	NATIONAL SCIENCE FOUNDATION	222,371	-
National Science Foundation	Direct	47.076	1503211	NATIONAL SCIENCE FOUNDATION	12,000	-
National Science Foundation	Direct	47.076	1503277	NATIONAL SCIENCE FOUNDATION	132,336	-
National Science Foundation	Direct	47.076	1503277	NATIONAL SCIENCE FOUNDATION	62,041	38,893
National Science Foundation	Direct	47.076	1504659	NATIONAL SCIENCE FOUNDATION	103,173	-
National Science Foundation	Direct	47.076	1504786	NATIONAL SCIENCE FOUNDATION	19,653	-
National Science Foundation	Direct	47.076	1524128	NATIONAL SCIENCE FOUNDATION	115,627	-
National Science Foundation	Direct	47.076	1561122	NATIONAL SCIENCE FOUNDATION	9,128	-
National Science Foundation	Direct	47.076	1561159	NATIONAL SCIENCE FOUNDATION	23,330	-
National Science Foundation	Direct	47.076	1564745	NATIONAL SCIENCE FOUNDATION	44,310	-
National Science Foundation	Direct	47.076	1564745	NATIONAL SCIENCE FOUNDATION	21,995	-
National Science Foundation	Direct	47.076	1620580	NATIONAL SCIENCE FOUNDATION	140,556	-
National Science Foundation	Direct	47.076	1620746	NATIONAL SCIENCE FOUNDATION	104,161	-
National Science Foundation	Direct	47.076	1620934	NATIONAL SCIENCE FOUNDATION	132,415	-
National Science Foundation	Direct	47.076	1643723	NATIONAL SCIENCE FOUNDATION	6,715	-
National Science Foundation	Direct	47.076	1646869	NATIONAL SCIENCE FOUNDATION	26,362	-
National Science Foundation	Direct	47.076	1649981	NATIONAL SCIENCE FOUNDATION	84,031	-
National Science Foundation	Direct	47.076	DGE-0947896	NATIONAL SCIENCE FOUNDATION	64,278	-
National Science Foundation	Direct	47.076	DGE-0947896	NATIONAL SCIENCE FOUNDATION	(11,182)	-

MICHIGAN STATE UNIVERSITY  
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FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
National Science Foundation	Direct	47.076	DGE-1424871	NATIONAL SCIENCE FOUNDATION	\$ 1,486,666	\$ -
National Science Foundation	Direct	47.076	DGE-1438739	NATIONAL SCIENCE FOUNDATION	53,783	-
National Science Foundation	Direct	47.076	DGE-1445583	NATIONAL SCIENCE FOUNDATION	43,196	-
National Science Foundation	Direct	47.076	DGE-1535011	NATIONAL SCIENCE FOUNDATION	120,626	72,141
National Science Foundation	Direct	47.076	DRL-0514431	NATIONAL SCIENCE FOUNDATION	(8,090)	-
National Science Foundation	Direct	47.076	DRL-0910001	NATIONAL SCIENCE FOUNDATION	(33)	-
National Science Foundation	Direct	47.076	DRL-1020187	NATIONAL SCIENCE FOUNDATION	100	-
National Science Foundation	Direct	47.076	DRL-1108833	NATIONAL SCIENCE FOUNDATION	11,066	-
National Science Foundation	Direct	47.076	DRL-1109256	NATIONAL SCIENCE FOUNDATION	2,568	-
National Science Foundation	Direct	47.076	DRL-1119055	NATIONAL SCIENCE FOUNDATION	128,362	37,813
National Science Foundation	Direct	47.076	DRL-1119055	NATIONAL SCIENCE FOUNDATION	(97)	-
National Science Foundation	Direct	47.076	DRL-1119327	NATIONAL SCIENCE FOUNDATION	168,878	8,864
National Science Foundation	Direct	47.076	DRL-1228034	NATIONAL SCIENCE FOUNDATION	168,147	127,178
National Science Foundation	Direct	47.076	DRL-1228034	NATIONAL SCIENCE FOUNDATION	17,927	-
National Science Foundation	Direct	47.076	DRL-1232388	NATIONAL SCIENCE FOUNDATION	152,327	86,530
National Science Foundation	Direct	47.076	DRL-1252439	NATIONAL SCIENCE FOUNDATION	70,456	-
National Science Foundation	Direct	47.076	DRL-1253822	NATIONAL SCIENCE FOUNDATION	131,144	-
National Science Foundation	Direct	47.076	DRL-1347187	NATIONAL SCIENCE FOUNDATION	32,344	-
National Science Foundation	Direct	47.076	DRL-1347187	NATIONAL SCIENCE FOUNDATION	15,337	-
National Science Foundation	Direct	47.076	DRL-1404467	NATIONAL SCIENCE FOUNDATION	420,540	-
National Science Foundation	Direct	47.076	DRL-1420492	NATIONAL SCIENCE FOUNDATION	233,246	-
National Science Foundation	Direct	47.076	DRL-1421116	NATIONAL SCIENCE FOUNDATION	27,962	4,928
National Science Foundation	Direct	47.076	DRL-1421214	NATIONAL SCIENCE FOUNDATION	54,685	-
National Science Foundation	Direct	47.076	DRL-1450756	NATIONAL SCIENCE FOUNDATION	27,283	-
National Science Foundation	Direct	47.076	DRL-1461468	NATIONAL SCIENCE FOUNDATION	16,854	-
National Science Foundation	Direct	47.076	DRL-1461833	NATIONAL SCIENCE FOUNDATION	8,909	6,991
National Science Foundation	Direct	47.076	DRL-1502755	NATIONAL SCIENCE FOUNDATION	252,010	69,499
National Science Foundation	Direct	47.076	DRL-1647033	NATIONAL SCIENCE FOUNDATION	12,241	-
National Science Foundation	Direct	47.076	DUE-0335785	NATIONAL SCIENCE FOUNDATION	(48)	-
National Science Foundation	Direct	47.076	DUE-1153778	NATIONAL SCIENCE FOUNDATION	25,140	-
National Science Foundation	Direct	47.076	DUE-1153778	NATIONAL SCIENCE FOUNDATION	10,704	-
National Science Foundation	Direct	47.076	DUE-1245402	NATIONAL SCIENCE FOUNDATION	16,810	-
National Science Foundation	Direct	47.076	DUE-1323162	NATIONAL SCIENCE FOUNDATION	318,412	-
National Science Foundation	Direct	47.076	DUE-1340048	NATIONAL SCIENCE FOUNDATION	175,452	-
National Science Foundation	Direct	47.076	DUE-1340048	NATIONAL SCIENCE FOUNDATION	66,224	-
National Science Foundation	Direct	47.076	DUE-1341987	NATIONAL SCIENCE FOUNDATION	1,732	549
National Science Foundation	Direct	47.076	DUE-1347605	NATIONAL SCIENCE FOUNDATION	174,519	156,208
National Science Foundation	Direct	47.076	DUE-1347740	NATIONAL SCIENCE FOUNDATION	139,744	-
National Science Foundation	Direct	47.076	DUE-1431725	NATIONAL SCIENCE FOUNDATION	337,785	153,419
National Science Foundation	Direct	47.076	DUE-1431725	NATIONAL SCIENCE FOUNDATION	14,091	-
National Science Foundation	Direct	47.076	DUE-1431776	NATIONAL SCIENCE FOUNDATION	9,157	-
National Science Foundation	Direct	47.076	DUE-1432563	NATIONAL SCIENCE FOUNDATION	262,552	-
National Science Foundation	Direct	47.076	DUE-1432563	NATIONAL SCIENCE FOUNDATION	12,710	-
National Science Foundation	Direct	47.076	DUE-1502552	NATIONAL SCIENCE FOUNDATION	39,471	-
National Science Foundation	Direct	47.076	FED GOV FELLOWSHIPS-FEES	NATIONAL SCIENCE FOUNDATION	(8,615)	-
National Science Foundation	Direct	47.076	HRD-0930182	NATIONAL SCIENCE FOUNDATION	15	-
National Science Foundation	Direct	47.076	HRD-1305819	NATIONAL SCIENCE FOUNDATION	64,740	-
National Science Foundation	Direct	47.076	NSF DRL-1316702 Schneider	NATIONAL SCIENCE FOUNDATION	351,318	-
National Science Foundation	Direct	47.076	NSF DRL-1417672 Herbel-Eisenmann	NATIONAL SCIENCE FOUNDATION	559,025	230,677
National Science Foundation	Direct	47.076	NSF DRL-1417672 PSC Herbel-Eisenmann	NATIONAL SCIENCE FOUNDATION	37,496	-
National Science Foundation	Direct	47.076	NSF DRL-1417900 Krajcik	NATIONAL SCIENCE FOUNDATION	209,314	-
National Science Foundation	Direct	47.076	NSF DRL-1417900 PSC Krajcik	NATIONAL SCIENCE FOUNDATION	17,973	-
National Science Foundation	Direct	47.076	NSF DRL-1420532 Frank	NATIONAL SCIENCE FOUNDATION	740,993	80,956
National Science Foundation	Direct	47.076	NSF-1620934-PSC-Phillips	NATIONAL SCIENCE FOUNDATION	5,690	-
National Science Foundation	Direct	47.076	NSF-1623824 Ebert-MayDiane	NATIONAL SCIENCE FOUNDATION	111,022	-
National Science Foundation	Direct	47.079	1443920	NATIONAL SCIENCE FOUNDATION	9,238	-
National Science Foundation	Direct	47.079	1556407	NATIONAL SCIENCE FOUNDATION	32,611	-
National Science Foundation	Direct	47.079	1556407	NATIONAL SCIENCE FOUNDATION	2,898	-
National Science Foundation	Direct	47.079	1614130	NATIONAL SCIENCE FOUNDATION	42,788	-
National Science Foundation	Direct	47.079	IIA-1358110	NATIONAL SCIENCE FOUNDATION	35,343	-
National Science Foundation	Direct	47.079	IIA-1358110	NATIONAL SCIENCE FOUNDATION	12,488	-
National Science Foundation	Direct	47.079	OISE - 1064641	NATIONAL SCIENCE FOUNDATION	4,452	-
National Science Foundation	Direct	47.079	OISE - 1064641	NATIONAL SCIENCE FOUNDATION	1,910	-
National Science Foundation	Direct	47.079	OISE-1545684	NATIONAL SCIENCE FOUNDATION	773,032	-
National Science Foundation	Direct	47.079	OISE-1545684	NATIONAL SCIENCE FOUNDATION	33,542	-
National Science Foundation	Direct	47.080	IIA-1260768	NATIONAL SCIENCE FOUNDATION	4,413	-
		<b>Direct Total</b>			<b>73,406,560</b>	<b>7,129,351</b>
National Science Foundation	Pass-through	47	11-160H-MSU	WEST VIRGINIA UNIV	11,447	-
National Science Foundation	Pass-through	47	3004423504	UNIVERSITY OF MICHIGAN	50,684	-
National Science Foundation	Pass-through	47	52-000117	SRI INTERNATL	34,876	-
National Science Foundation	Pass-through	47.041	11-160-MSU-2	WEST VIRGINIA UNIV	44,959	-
National Science Foundation	Pass-through	47.041	1431010	UBIQUITOUS ENERGY, INC.	(568)	-
National Science Foundation	Pass-through	47.041	150282	KOPESS AG TECH, LLC	46,352	-
National Science Foundation	Pass-through	47.041	3003795364	UNIVERSITY OF MICHIGAN	9,309	-
National Science Foundation	Pass-through	47.041	4101-71104	PURDUE UNIV	64,329	-
National Science Foundation	Pass-through	47.041	5218-MSU-NSF-5092	PENNSYLVANIA STATE UNIV	36,271	-
National Science Foundation	Pass-through	47.041	G-01151-1	COLORADO STATE OF	41,916	-
National Science Foundation	Pass-through	47.041	R01803	FLORIDA STATE UNIV	754	-
National Science Foundation	Pass-through	47.049	10030626	UNIVERSITY OF UTAH	53,058	-
National Science Foundation	Pass-through	47.049	201387	UNIVERSITY OF NOTRE DAME	16	-
National Science Foundation	Pass-through	47.049	201387	UNIVERSITY OF NOTRE DAME	(135)	-
National Science Foundation	Pass-through	47.049	203086MSU	UNIVERSITY OF NOTRE DAME	649	-
National Science Foundation	Pass-through	47.049	68790	THE RESEARCH FOUNDATION FOR THE STATE UNIV OF NEW YO	635,390	-
National Science Foundation	Pass-through	47.049	F-2015-76	UNIVERSITY OF TOLEDO	69,036	-
National Science Foundation	Pass-through	47.049	GG006141	COLUMBIA UNIV	153,536	-
National Science Foundation	Pass-through	47.049	GG006141	COLUMBIA UNIV	84,174	-
National Science Foundation	Pass-through	47.049	HARDSHIP	STONY BROOK RESEARCH	84,768	-
National Science Foundation	Pass-through	47.049	JHU-2003349346-Donahue	JOHNS HOPKINS UNIV	5,187	-
National Science Foundation	Pass-through	47.049	SDSMT-Michigan St U 17-13	SOUTH DAKOTA SCHOOL OF MINES & TECHNOLOGY	43,986	-
National Science Foundation	Pass-through	47.049	U of M 3002333711 Brock	UNIVERSITY OF MICHIGAN	470,285	-
National Science Foundation	Pass-through	47.050	15-2904	UNIVERSITY OF SOUTH CAROLINA	407	-
National Science Foundation	Pass-through	47.050	24(GG009393-01)	COLUMBIA UNIV	11,841	-
National Science Foundation	Pass-through	47.050	479483-19057	VIRGINIA POLYTECHNIC INST	51,048	-
National Science Foundation	Pass-through	47.050	675K964	UNIVERSITY OF WISCONSIN MADISON	34,053	-
National Science Foundation	Pass-through	47.050	SP0024578-PROJ0006670	NORTHWESTERN UNIV	61,206	-
National Science Foundation	Pass-through	47.070	3003646555	UNIVERSITY OF MICHIGAN	247,937	-
National Science Foundation	Pass-through	47.074	10022513-01	UNIVERSITY OF UTAH	83,175	-
National Science Foundation	Pass-through	47.074	10022513-01	UNIVERSITY OF UTAH	72,318	-
National Science Foundation	Pass-through	47.074	10022513-01	UNIVERSITY OF UTAH	67,583	-
National Science Foundation	Pass-through	47.074	10022513-01	UNIVERSITY OF UTAH	56,223	-
National Science Foundation	Pass-through	47.074	1002973-01	NORTHERN ARIZONA UNIV	282,128	-
National Science Foundation	Pass-through	47.074	1002973-01	NORTHERN ARIZONA UNIV	60,025	-

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Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
National Science Foundation	Pass-through	47.074	1002973-01	NORTHERN ARIZONA UNIV	\$ 8,749	\$ -
National Science Foundation	Pass-through	47.074	1457323MSU	ALMA COLLEGE	45,907	-
National Science Foundation	Pass-through	47.074	15-571	ARIZONA STATE UNIV	67,318	-
National Science Foundation	Pass-through	47.074	1716340	UNIVERSITY OF KENTUCKY	15,910	-
National Science Foundation	Pass-through	47.074	2015-984-001	SAMUEL ROBERTS NOBLE FOUNDATION	228,018	-
National Science Foundation	Pass-through	47.074	202236	UNIVERSITY OF NOTRE DAME	86,261	-
National Science Foundation	Pass-through	47.074	4101-68711	PURDUE UNIV	7,302	-
National Science Foundation	Pass-through	47.074	420-66-08B	IOWA STATE UNIV	100,570	-
National Science Foundation	Pass-through	47.074	502294-78050	NORTHEASTERN UNIV	11,415	-
National Science Foundation	Pass-through	47.074	7793-MSU	WESTERN MICHIGAN UNIV	176,092	-
National Science Foundation	Pass-through	47.074	7793-MSU	WESTERN MICHIGAN UNIV	10,412	-
National Science Foundation	Pass-through	47.074	N. Arizona/NSF 1002973-01 ROBERTSON	NORTHERN ARIZONA UNIV	23,183	-
National Science Foundation	Pass-through	47.074	RSC14014	UNIVERSITY OF DAYTON	52,228	-
National Science Foundation	Pass-through	47.074	UAF 13-0043	UNIVERSITY OF ALASKA	1,650	-
National Science Foundation	Pass-through	47.074	UFDSP0001070	UNIVERSITY OF FLORIDA	139,644	-
National Science Foundation	Pass-through	47.074	UNR 17-21	UNIVERSITY OF NEVADA RENO	3,777	-
National Science Foundation	Pass-through	47.075	129152	UNIVERSITY OF ARIZONA	79,303	-
National Science Foundation	Pass-through	47.075	17-009496 A	UNIVERSITY OF MASSACHUSETTS	2,870	-
National Science Foundation	Pass-through	47.075	GTK137-SB-002	UNIVERSITY OF IDAHO	258	-
National Science Foundation	Pass-through	47.076	11052-007	MISSOURI STATE UNIV	1,296	-
National Science Foundation	Pass-through	47.076	11052-007	MISSOURI STATE UNIV	(26,457)	-
National Science Foundation	Pass-through	47.076	16043-003	MISSOURI STATE UNIV	127,448	-
National Science Foundation	Pass-through	47.076	16043-003	MISSOURI STATE UNIV	11,841	-
National Science Foundation	Pass-through	47.076	22512-S1	VANDERBILT UNIV	11,407	-
National Science Foundation	Pass-through	47.076	3001714504	UNIVERSITY OF MICHIGAN	65,035	-
National Science Foundation	Pass-through	47.076	3003620154	UNIVERSITY OF MICHIGAN	1,654	-
National Science Foundation	Pass-through	47.076	4101-65235	PURDUE UNIV	21,047	-
National Science Foundation	Pass-through	47.076	415612-G	UNIVERSITY OF ROCHESTER	(678)	-
National Science Foundation	Pass-through	47.076	415908-G	UNIVERSITY OF ROCHESTER	38,714	-
National Science Foundation	Pass-through	47.076	418K670	UNIVERSITY OF WISCONSIN MADISON	51,972	-
National Science Foundation	Pass-through	47.076	479493-19057	VIRGINIA TECH	3,794	-
National Science Foundation	Pass-through	47.076	488K806	UNIVERSITY OF WISCONSIN MADISON	76,456	-
National Science Foundation	Pass-through	47.076	490K840	UNIVERSITY OF WISCONSIN MADISON	36,697	-
National Science Foundation	Pass-through	47.076	GA11161 150025	UNIVERSITY OF VIRGINIA	176,153	-
National Science Foundation	Pass-through	47.076	NIU 64155-1 Schmidt	NORTHERN ILLINOIS UNIV	76,141	-
National Science Foundation	Pass-through	47.076	SP0009801-PROJ0002727	NORTHWESTERN UNIV	20,184	-
National Science Foundation	Pass-through	47.076	U OF M-3004280408-Caldwell	UNIVERSITY OF MICHIGAN	26,422	-
National Science Foundation	Pass-through	47.076	24625001	UNIVERSITY OF MARYLAND	75,782	-
National Science Foundation	Pass-through	47.079	OISE-1243433	DUKE UNIV	302,379	-
National Science Foundation	Pass-through	47.079	OISE-16-62750-0	CRDF GLOBAL	21,298	-
	<b>Pass-through Total</b>				<u>5,147,675</u>	<u>-</u>
<b>National Science Foundation Total</b>					<u>78,554,235</u>	<u>7,129,351</u>
State	Direct	19	SAQMMA15M2452	US DEPT OF STATE	53,312	-
State	Direct	19	SAQMMA16M2200	US DEPT OF STATE	17,263	-
<b>State Total</b>	<b>Direct Total</b>				<u>70,575</u>	<u>-</u>
					<u>70,575</u>	<u>-</u>
Transportation	Direct	20	DTFH61-13-C-00023	FEDERAL HIGHWAY ADMINISTRATION	18,791	11,675
Transportation	Direct	20.200	DTFH61-13-C-00015	FEDERAL HIGHWAY ADMINISTRATION	49,634	-
Transportation	Direct	20.200	DTFH61-3H-00009	FEDERAL HIGHWAY ADMINISTRATION	265,522	189,664
Transportation	Direct	20.215	DTFH6416G00054	US DEPT OF TRANSPORTATION	5,000	-
Transportation	Direct	20.701	DTRT13-G-UTC44	US DEPT OF TRANSPORTATION	1,016,004	805,044
Transportation	Direct	20.701	DTRT13-G-UTC44	US DEPT OF TRANSPORTATION	54,283	-
Transportation	Direct	20.701	DTRT13-G-UTC44	US DEPT OF TRANSPORTATION	30,354	-
Transportation	Direct	20.701	USDOT-DTRT13-G-UTC44-Chatti	US DEPT OF TRANSPORTATION	7,550	-
Transportation	Direct	20.701	USDOT-DTRT13-G-UTC44-Dargazany	US DEPT OF TRANSPORTATION	17,725	-
Transportation	Direct	20.701	USDOT-DTRT13-G-UTC44-Haider	US DEPT OF TRANSPORTATION	4,296	-
Transportation	Direct	20.701	USDOT-DTRT13-G-UTC44-Zaabar	US DEPT OF TRANSPORTATION	9,368	-
	<b>Direct Total</b>				<u>1,478,527</u>	<u>1,006,383</u>
Transportation	Pass-through	20	2013-0066 5	MICHIGAN DEPT OF TRANSPORTATION	184,663	-
Transportation	Pass-through	20	2013-0066 26	MICHIGAN DEPT OF TRANSPORTATION	86,171	37,706
Transportation	Pass-through	20	2013-0066 27	MICHIGAN DEPT OF TRANSPORTATION	34,598	-
Transportation	Pass-through	20	2013-0066 28	MICHIGAN DEPT OF TRANSPORTATION	66,143	-
Transportation	Pass-through	20	201401725-03	UNIVERSITY OF CALIFORNIA LOS ANGELES	111,261	-
Transportation	Pass-through	20	HR 10-82A	NATL ACADEMY OF SCIENCES	93,293	16,061
Transportation	Pass-through	20	MSP-MC-17-02	MICHIGAN STATE POLICE	10,919	-
Transportation	Pass-through	20.215	436-17-35B	IOWA STATE UNIV	11,188	-
Transportation	Pass-through	20.505	2013-0066 29	MICHIGAN DEPT OF TRANSPORTATION	45,454	-
Transportation	Pass-through	20.724	17-158	ARIZONA STATE UNIV	25,527	-
Transportation	Pass-through	20.724	FY16.675.001	UNIVERSITY OF COLORADO DENVER	28,074	-
	<b>Pass-through Total</b>				<u>697,291</u>	<u>53,767</u>
<b>Transportation Total</b>					<u>2,175,838</u>	<u>1,060,150</u>
USAID	Direct	98.001	155588	US AGENCY FOR INTL DEVELOPMENT	3,095	-
USAID	Direct	98.001	611-A-00-11-00001-00	US AGENCY FOR INTL DEVELOPMENT	32,329	-
USAID	Direct	98.001	AID-482-LA-14-00003	US AGENCY FOR INTL DEVELOPMENT	1,306,696	713,546
USAID	Direct	98.001	AID-612-LA-15-00001	US AGENCY FOR INTL DEVELOPMENT	1,200,497	540,572
USAID	Direct	98.001	AID-620-LA-15-00001	US AGENCY FOR INTL DEVELOPMENT	2,006,594	1,606,751
USAID	Direct	98.001	AID-656-LA-12-00002	US AGENCY FOR INTL DEVELOPMENT	388,239	-
USAID	Direct	98.001	AID-685-LA-15-00001	US AGENCY FOR INTL DEVELOPMENT	863,720	591,237
USAID	Direct	98.001	AID-688-A-16-00001	US AGENCY FOR INTL DEVELOPMENT	872,252	-
USAID	Direct	98.001	AID-EDH-A-00-07-00005	US AGENCY FOR INTL DEVELOPMENT	1,837,032	170,648
USAID	Direct	98.001	AID-EDH-A-00-07-00005	US AGENCY FOR INTL DEVELOPMENT	943,849	943,849
USAID	Direct	98.001	AID-EDH-A-00-07-00005	US AGENCY FOR INTL DEVELOPMENT	246,833	246,833
USAID	Direct	98.001	AID-OAA-A-15-00056	US AGENCY FOR INTL DEVELOPMENT	1,350,685	660,556
USAID	Direct	98.001	AID-OAA-L-13-00001	US AGENCY FOR INTL DEVELOPMENT	2,405,396	1,191,537
USAID	Direct	98.001	AID-OAA-L-13-00001	US AGENCY FOR INTL DEVELOPMENT	416,498	102,632
USAID	Direct	98.001	AID-OAA-L-13-00001	US AGENCY FOR INTL DEVELOPMENT	53,573	-
USAID	Direct	98.001	AID-OAA-L-13-00001	US AGENCY FOR INTL DEVELOPMENT	23,933	20,240
USAID	Direct	98.001	AID-OAA-LA-14-00005	US AGENCY FOR INTL DEVELOPMENT	783,092	452,006
USAID	Direct	98.001	AID-OAA-LA-15-00006	US AGENCY FOR INTL DEVELOPMENT	540,730	288,044
USAID	Direct	98.001	EDH-A-00-07-00005-00	US AGENCY FOR INTL DEVELOPMENT	650,495	650,495
USAID	Direct	98.001	EDH-A-00-07-00005-00	US AGENCY FOR INTL DEVELOPMENT	636,220	636,456
USAID	Direct	98.001	EDH-A-00-07-00005-00	US AGENCY FOR INTL DEVELOPMENT	543,982	543,887
USAID	Direct	98.001	EDH-A-00-07-00005-00	US AGENCY FOR INTL DEVELOPMENT	538,403	538,403
USAID	Direct	98.001	EDH-A-00-07-00005-00	US AGENCY FOR INTL DEVELOPMENT	397,958	397,958
USAID	Direct	98.001	EDH-A-00-7-00005 MAREDA MSU	US AGENCY FOR INTL DEVELOPMENT	236,418	-
USAID	Direct	98.001	sub of 61-2940	US AGENCY FOR INTL DEVELOPMENT	499,493	308,920
USAID	Direct	98.001	Tanzania	US AGENCY FOR INTL DEVELOPMENT	1,425,398	200,000
USAID	Direct	98.001	USAID AID-442-LA-12-0001 BOUGHTON	US AGENCY FOR INTL DEVELOPMENT	570,482	204,848

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
USAID	Direct	98.001	USAID EDH-A-00-07-00005 Kramer	US AGENCY FOR INTL DEVELOPMENT	\$ 277,421	\$ 32,818
USAID	Direct	98.001	USAID Zambia Buy-in Jayne	US AGENCY FOR INTL DEVELOPMENT	248,480	-
USAID	Direct	98.001	USAID-AID EDH-A-00-07-00005 Pittendrih	US AGENCY FOR INTL DEVELOPMENT	7,093	-
	<b>Direct Total</b>				<b>21,256,886</b>	<b>11,042,236</b>
USAID	Pass-through	98	016258-143	UNIVERSITY OF CALIFORNIA DAVIS	16,053	-
USAID	Pass-through	98	C-044-16	CGIAR CONSORTIUM	50,338	-
USAID	Pass-through	98.001	09-002945-103	UNIVERSITY OF CALIFORNIA DAVIS	3,944	-
USAID	Pass-through	98.001	1(GG008516)	COLUMBIA UNIV	28,098	-
USAID	Pass-through	98.001	1001244-105-15295-00	DEVELOPMENT ALTERNATIVES INC	78,801	-
USAID	Pass-through	98.001	1856-000	TETRA TECH INC.	194,845	-
USAID	Pass-through	98.001	201121454-08	UNIVERSITY OF CALIFORNIA DAVIS	29,607	-
USAID	Pass-through	98.001	2015-06391-01	UNIVERSITY OF ILLINOIS	96,335	28,403
USAID	Pass-through	98.001	8000072693	PURDUE UNIV	15,379	-
USAID	Pass-through	98.001	8000072696	PURDUE UNIV	12,379	-
USAID	Pass-through	98.001	8000075688	PURDUE UNIV	15	-
USAID	Pass-through	98.001	App 120588	EGERTON UNIV NAIROBI KENYA	180,678	-
USAID	Pass-through	98.001	ARD-MSU-1072-1201	TETRA TECH INC.	205,144	-
USAID	Pass-through	98.001	IITA-USAID MTO 069018 RICHARDSON	INTL INST FOR TROPICAL AGRICULTURE	45,426	-
USAID	Pass-through	98.001	P225-2010-05-00	COOPERATIVE LEAGUE OF THE USA	150,179	-
USAID	Pass-through	98.001	PGA-2000003665	NATL ACADEMY OF SCIENCES	27,522	-
USAID	Pass-through	98.001	Prime AID-BFS-G11-00002	INTL INST FOR TROPICAL AGRICULTURE	870,467	222,823
USAID	Pass-through	98.001	S15218	KANSAS STATE UNIV	266,155	-
USAID	Pass-through	98.001	S16058	KANSAS STATE UNIV	148,769	-
USAID	Pass-through	98.001	S16058	KANSAS STATE UNIV	120,776	54,330
USAID	Pass-through	98.001	S17090	KANSAS STATE UNIV	41,952	-
	<b>Pass-through Total</b>				<b>2,582,862</b>	<b>305,556</b>
<b>USAID Total</b>					<b>23,839,748</b>	<b>11,347,792</b>
Vietnam Education Foundation	Direct	85.600	CTFS ForestGEO 2015	SMITHSONIAN INSTITUTION	5,000	-
	<b>Direct Total</b>				<b>5,000</b>	<b>-</b>
<b>Vietnam Education Foundation Total</b>					<b>5,000</b>	<b>-</b>
<b>TOTAL RESEARCH AND DEVELOPMENT CLUSTER</b>					<b>361,990,188</b>	<b>41,914,754</b>
<b>Student Financial Assistance Programs Cluster:</b>						
Education	Direct	84.007	USDE P007A102046 SEOG 16-17	US DEPT OF EDUCATION	1,173,088	-
Education	Direct	84.007	USDE SEOG 12-13	US DEPT OF EDUCATION	(80)	-
Education	Direct	84.007	USDE TEACH 15-16	US DEPT OF EDUCATION	5,592	-
Education	Direct	84.033	USDE P033A102045 FWS 15-16	US DEPT OF EDUCATION	(7,080)	-
Education	Direct	84.033	USDE P033A102045 FWS 16-17	US DEPT OF EDUCATION	2,332,702	-
Education	Direct	84.033	USDE P033A102045 FWS AC 16-17	US DEPT OF EDUCATION	11,495	-
Education	Direct	84.033	USDE P033A102045 FWS AR 15-16	US DEPT OF EDUCATION	(73)	-
Education	Direct	84.033	USDE P033A102045 FWS AR 16-17	US DEPT OF EDUCATION	64,330	-
Education	Direct	84.033	USDE P033A102045 FWS JL 15-16	US DEPT OF EDUCATION	(358)	-
Education	Direct	84.033	USDE P033A102045 FWS JL 16-17	US DEPT OF EDUCATION	36,651	-
Education	Direct	84.033	USDE P033A102045 FWS JL 19-20	US DEPT OF EDUCATION	12	-
Education	Direct	84.038	VARIOUS PERKINS	US DEPT OF EDUCATION	40,280,666	-
Education	Direct	84.063	USDE P063P110233 PELL 16-17	US DEPT OF EDUCATION	37,848,972	-
Education	Direct	84.063	USDE PELL 15-16	US DEPT OF EDUCATION	16,715	-
Education	Direct	84.268	FED DIRECT LOAN PROG-98 AID YR	US DEPT OF EDUCATION	1,172,027	-
Education	Direct	84.268	FEDERAL DIRECT LOAN PROGRAM	US DEPT OF EDUCATION	368,580,096	-
Education	Direct	84.379	USDE P379T110233 TEACH 16-17	US DEPT OF EDUCATION	148,083	-
	<b>Direct Total</b>				<b>451,662,838</b>	<b>-</b>
<b>Education Total</b>					<b>451,662,838</b>	<b>-</b>
Health and Human Services	Direct	93.264	VARIOUS - NURSING FACULTY PROG STUDENT LOANS	HEALTH AND HUMAN SERVICES	324,271	-
Health and Human Services	Direct	93.342	VARIOUS - HEALTH PROFESSIONAL STUDENT LOANS	HEALTH AND HUMAN SERVICES	10,520,672	-
Health and Human Services	Direct	93.364	VARIOUS - NURSING PROFESSION STUDENT LOANS	HEALTH AND HUMAN SERVICES	4,089	-
	<b>Direct Total</b>				<b>10,849,032</b>	<b>-</b>
<b>Health and Human Services Total</b>					<b>10,849,032</b>	<b>-</b>
<b>TOTAL STUDENT FINANCIAL ASSISTANCE PROGRAMS CLUSTER</b>					<b>462,511,870</b>	<b>-</b>
<b>Economic Development Cluster:</b>						
Commerce	Direct	11.300	06-01-05931	US ECONOMIC DEVELOPMENT ADMINISTRATION	98,950	-
Commerce	Direct	11.300	FOOD PROCESSING & INNOVATION CENTER-EDA	US ECONOMIC DEVELOPMENT ADMINISTRATION	57,100	-
Commerce	Direct	11.307	06-06-06011	US ECONOMIC DEVELOPMENT ADMINISTRATION	57,646	-
	<b>Direct Total</b>				<b>213,696</b>	<b>-</b>
<b>Commerce Total</b>					<b>213,696</b>	<b>-</b>
<b>TOTAL ECONOMIC DEVELOPMENT CLUSTER</b>					<b>213,696</b>	<b>-</b>
<b>Highway Planning and Construction Cluster:</b>						
Transportation	Pass-through	20.205	116005	MICHIGAN FITNESS FOUNDATION	37,088	-
	<b>Pass-through Total</b>				<b>37,088</b>	<b>-</b>
<b>Transportation Total</b>					<b>37,088</b>	<b>-</b>
<b>TOTAL HIGHWAY PLANNING AND CONSTRUCTION CLUSTER</b>					<b>37,088</b>	<b>-</b>
<b>Highway Safety Cluster:</b>						
Transportation	Pass-through	20.600	OP-16-03	MI OFFICE OF HIGHWAY SAFETY PL	103,188	38,118
Transportation	Pass-through	20.616	OP-17-02	MICHIGAN OFFICE OF HIGHWAY SAFETY PLANNING	31,596	-
	<b>Pass-through Total</b>				<b>134,784</b>	<b>38,118</b>
<b>Transportation Total</b>					<b>134,784</b>	<b>38,118</b>
<b>TOTAL HIGHWAY SAFETY CLUSTER</b>					<b>134,784</b>	<b>38,118</b>
<b>Medicaid Cluster:</b>						
Health and Human Services	Pass-through	93.778	20160884-00 Attachment G	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	40,189	-
Health and Human Services	Pass-through	93.778	20160893-00 Attachment N	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	25,182	-
Health and Human Services	Pass-through	93.778	20160894-00 Attachment O	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	37,119	-
Health and Human Services	Pass-through	93.778	20160895-00 Attachment P	MICHIGAN DEPT OF COMMUNITY HEALTH	114,314	-
Health and Human Services	Pass-through	93.778	20160903-00 Attachment Y	MICHIGAN DEPT OF COMMUNITY HEALTH	1,285	-
Health and Human Services	Pass-through	93.778	20160905-00 Attachment AA	MICHIGAN DEPT OF COMMUNITY HEALTH	33,953	-
Health and Human Services	Pass-through	93.778	20160906-00 Attachment AB	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	19,514	-
Health and Human Services	Pass-through	93.778	20161751-001 AK	MICHIGAN DEPT OF COMMUNITY HEALTH	96,377	-
Health and Human Services	Pass-through	93.778	20170673-00-AE	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	29,241	-
Health and Human Services	Pass-through	93.778	E20170239-00-H	MICHIGAN DEPT OF COMMUNITY HEALTH	37,546	-
Health and Human Services	Pass-through	93.778	E20170254-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	75,598	-
Health and Human Services	Pass-through	93.778	E20170255-00-T	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	414,327	-
Health and Human Services	Pass-through	93.778	E20170669-00-z	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	578,218	-
Health and Human Services	Pass-through	93.778	E20170671-00-AC	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	12,333	-
	<b>Pass-through Total</b>				<b>1,515,556</b>	<b>-</b>
<b>Health and Human Services Total</b>					<b>1,515,556</b>	<b>-</b>
<b>TOTAL MEDICAID CLUSTER</b>					<b>1,515,556</b>	<b>-</b>

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Research and Development Cluster (Continued):</b>						
<b>SNAP Cluster:</b>						
Agriculture	Pass-through	10.561	ADMIN-15-99010	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	\$ 584,491	\$ -
Agriculture	Pass-through	10.561	ADMIN-16-99010	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	3,348,633	-
Agriculture	Pass-through	10.561	CrimFit APP149222	CRIM FITNESS FOUNDATION	2,241	-
Agriculture	Pass-through	10.561	MDHS-Admin16-99010	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	4,086,872	-
	<b>Pass-through Total</b>				<u>8,022,237</u>	<u>-</u>
<b>Agriculture Total</b>					<u>8,022,237</u>	<u>-</u>
<b>TOTAL SNAP CLUSTER</b>					<b>8,022,237</b>	<b>-</b>
<b>TRIO Cluster:</b>						
Education	Direct	84.042	P042A150804	US DEPT OF EDUCATION	561,453	-
Education	Direct	84.044	P044A110782 - 15	US DEPT OF EDUCATION	33,562	-
Education	Direct	84.044	P044A160125	US DEPT OF EDUCATION	214,996	-
Education	Direct	84.047	P047A120896 - 16	US DEPT OF EDUCATION	387,979	-
	<b>Direct Total</b>				<u>1,197,990</u>	<u>-</u>
<b>Education Total</b>					<u>1,197,990</u>	<u>-</u>
<b>TOTAL TRIO CLUSTER</b>					<b>1,197,990</b>	<b>-</b>
<b>447 Cluster:</b>						
Health and Human Services	Pass-through	93.596	BCHS/MSU FY17	MICHIGAN DEPT OF LICENSING & REGULATORY AFFAIRS	21,407	9,556
	<b>Pass-through Total</b>				<u>21,407</u>	<u>9,556</u>
<b>Health and Human Services Total</b>					<u>21,407</u>	<u>9,556</u>
<b>TOTAL 447 CLUSTER</b>					<b>21,407</b>	<b>9,556</b>
<b>Other Federal Awards:</b>						
Agriculture	Direct	10	14-PA-11090400-024	USDA - FOREST SERVICE	42,991	-
Agriculture	Direct	10	14-PA-11090400-024	USDA - FOREST SERVICE	(1,563)	-
Agriculture	Direct	10	16-CS-11090400-038	USDA - FOREST SERVICE	3,888	-
Agriculture	Direct	10	17-CS-11090400-027	USDA - FOREST SERVICE	4,279	-
Agriculture	Direct	10.001	12-25A-5641	USDA - AGRI MARKETING SERV US	19,939	-
Agriculture	Direct	10.001	AG-31ME-C-15-0025	USDA - RURAL BUS COOP SER	6,424	-
Agriculture	Direct	10.001	USDA 45-5484-8-0019 PHONE	USDA - FOREST SERVICE	3,993	-
Agriculture	Direct	10.001	USDA GENERAL FISCAL AGENT	USDA - FOREST SERVICE	2,541	-
Agriculture	Direct	10.025	16-9419-0332-CA	USDA - ANIMAL AND PLT HTL INSP	138,188	-
Agriculture	Direct	10.069	FA-MI-6-046	USDA - FARM SER AGENCY	13,454	-
Agriculture	Direct	10.210	2012-38420-30199	USDA - NATIONAL INSTITUTE OF F	28,119	-
Agriculture	Direct	10.210	2014-38420-21803	USDA - NATIONAL INSTITUTE OF F	62,909	-
Agriculture	Direct	10.210	2015-38420-23697	USDA - NATIONAL INSTITUTE OF F	50,538	-
Agriculture	Direct	10.217	2014-70003-22363	USDA - NATIONAL INSTITUTE OF F	78,960	42,371
Agriculture	Direct	10.226	2016-38414-25820	USDA - NATIONAL INSTITUTE OF F	32,073	10,142
Agriculture	Direct	10.310	2011-68001-23407	USDA - NATIONAL INSTITUTE OF F	999,855	667,071
Agriculture	Direct	10.310	2015-67011-23012	USDA - NATIONAL INSTITUTE OF F	(128)	-
Agriculture	Direct	10.310	2016-67011-24701	USDA - NATIONAL INSTITUTE OF F	(4,005)	-
Agriculture	Direct	10.329	2014-70006-22498	USDA - NATIONAL INSTITUTE OF F	283,356	-
Agriculture	Direct	10.500	2013-41520-20939	USDA - NATIONAL INSTITUTE OF F	117,338	-
Agriculture	Direct	10.500	2013-41580-20792	USDA - NATIONAL INSTITUTE OF F	72,775	-
Agriculture	Direct	10.500	2014-41590-22327	USDA - NATIONAL INSTITUTE OF F	178,823	89,168
Agriculture	Direct	10.500	2014-46100-22366	USDA - NATIONAL INSTITUTE OF F	26,368	-
Agriculture	Direct	10.500	2015-41595-24254	USDA - NATIONAL INSTITUTE OF F	771,313	702,159
Agriculture	Direct	10.500	2016-41520-25564	USDA - NATIONAL INSTITUTE OF F	56,402	-
Agriculture	Direct	10.500	EFNEP-EXT HN	USDA - NATIONAL INSTITUTE OF F	2,777,720	-
Agriculture	Direct	10.500	Life Insurance Contribution	USDA - NATIONAL INSTITUTE OF F	374	-
Agriculture	Direct	10.500	MSUE DIRECTOR - S-L SALARIES	USDA - NATIONAL INSTITUTE OF F	1,058,304	-
Agriculture	Direct	10.500	RENEW RESOURCES PROJECT DIR	USDA - NATIONAL INSTITUTE OF F	65,495	-
Agriculture	Direct	10.500	S-L CFS WORKGROUP OPER EXT GM	USDA - NATIONAL INSTITUTE OF F	6,887	-
Agriculture	Direct	10.500	S-L EDUCATOR OPERATING EXT GM	USDA - NATIONAL INSTITUTE OF F	18,989	-
Agriculture	Direct	10.500	S-L GGP WORKGROUP OPER EXT GM	USDA - NATIONAL INSTITUTE OF F	7,499	-
Agriculture	Direct	10.500	S-L NAT RES WORKGROUP EXT GM	USDA - NATIONAL INSTITUTE OF F	4,828	-
Agriculture	Direct	10.500	S-L OPER EXT AG & AGRIBUSINESS	USDA - NATIONAL INSTITUTE OF F	16,286	-
Agriculture	Direct	10.500	S-L OPER EXT CARRS	USDA - NATIONAL INSTITUTE OF F	15,438	-
Agriculture	Direct	10.500	S-L OPER EXT CHILDREN & YOUTH	USDA - NATIONAL INSTITUTE OF F	124,647	-
Agriculture	Direct	10.500	S-L OPER EXT GREENING MICHIGAN	USDA - NATIONAL INSTITUTE OF F	28,178	-
Agriculture	Direct	10.500	S-L OPER EXT HLTH & NUTRITION	USDA - NATIONAL INSTITUTE OF F	45,053	-
Agriculture	Direct	10.500	S-L PRJ LOVERIDGE NCRCRD DIR	USDA - NATIONAL INSTITUTE OF F	32,128	-
Agriculture	Direct	10.500	S-L PRJ SKIDMORE NCRCRD DIR	USDA - NATIONAL INSTITUTE OF F	6,081	-
Agriculture	Direct	10.500	S-L SAL EXT AG & AGRIBUSINESS	USDA - NATIONAL INSTITUTE OF F	1,816,453	-
Agriculture	Direct	10.500	S-L SAL EXT CARRS	USDA - NATIONAL INSTITUTE OF F	77,500	-
Agriculture	Direct	10.500	S-L SAL EXT CHILDREN & YOUTH	USDA - NATIONAL INSTITUTE OF F	1,347,788	-
Agriculture	Direct	10.500	S-L SAL EXT GREENING MICHIGAN	USDA - NATIONAL INSTITUTE OF F	1,650,034	-
Agriculture	Direct	10.500	S-L SAL EXT HEALTH & NUTRITION	USDA - NATIONAL INSTITUTE OF F	633,741	-
Agriculture	Direct	10.500	S-L SCP WORKGROUP OPER EXT GM	USDA - NATIONAL INSTITUTE OF F	19,076	-
Agriculture	Direct	10.500	S-L Summer Intern Program EXT AA	USDA - NATIONAL INSTITUTE OF F	103,486	-
Agriculture	Direct	10.500	SMITH LEVER-FRINGS	USDA - NATIONAL INSTITUTE OF F	2,260,167	-
Agriculture	Direct	10.500	SMITH-LEVER OPERATING-DIR	USDA - NATIONAL INSTITUTE OF F	169,335	-
Agriculture	Direct	10.500	USDA NIFA 2014-48778-22647 Skidmore	USDA - NATIONAL INSTITUTE OF F	102,800	-
Agriculture	Direct	10.614	SE-CR-16-002	FOREIGN AGRICULTURAL SERVICE	42,121	-
Agriculture	Direct	10.614	SE-CR-16-006	FOREIGN AGRICULTURAL SERVICE	33,526	-
Agriculture	Direct	10.614	SE-CR-17-004	FOREIGN AGRICULTURAL SERVICE	7	-
Agriculture	Direct	10.771	26-033-030879893	US DEPT OF AGRICULTURE	129,171	-
Agriculture	Direct	10.771	386005984	US DEPT OF AGRICULTURE	58,404	-
Agriculture	Direct	10.777	BF-CR-14-019	FOREIGN AGRICULTURAL SERVICE	4,362	-
Agriculture	Direct	10.777	BF-CR-14-020	FOREIGN AGRICULTURAL SERVICE	2,788	-
Agriculture	Direct	10.777	BF-CR-16-014	FOREIGN AGRICULTURAL SERVICE	29,523	-
Agriculture	Direct	10.777	BF-CR-16-020	FOREIGN AGRICULTURAL SERVICE	30,186	-
Agriculture	Direct	10.777	BF-CR-16-024	FOREIGN AGRICULTURAL SERVICE	27,561	-
Agriculture	Direct	10.777	BF-CR-16-050	FOREIGN AGRICULTURAL SERVICE	33,885	-
Agriculture	Direct	10.868	26-033-030879893	USDA - RURAL BUS COOP SER	29,751	-
Agriculture	Direct	10.868	26-033-030879893	USDA - RURAL BUS COOP SER	15,200	-
Agriculture	Direct	10.903	68-7482-15-540	USDA-NATURAL RESOURCES CONSERVATION SERVICE	2,816	-
Agriculture	Direct	10.903	68-7482-16-524	USDA-NATURAL RESOURCES CONSERVATION SERVICE	3,696	-
Agriculture	Direct	10.924	68-5D21-15-22	USDA-NATURAL RESOURCES CONSERVATION SERVICE	3,392	-
Agriculture	Direct	10.960	FAS 2015 - 2016	FOREIGN AGRICULTURAL SERVICE	97,297	-
Agriculture	Direct	10.960	TA-CR-15-039	FOREIGN AGRICULTURAL SERVICE	6,587	-
Agriculture	Direct	10.960	TA-CR-16-043	FOREIGN AGRICULTURAL SERVICE	79,529	-
Agriculture	Direct	10.962	CO-CR-16-017	FOREIGN AGRICULTURAL SERVICE	24,860	-
Agriculture	Direct	10.962	CO-CR-16-027	FOREIGN AGRICULTURAL SERVICE	53,317	-
Agriculture	Direct	10.962	CO-CR-16-030	FOREIGN AGRICULTURAL SERVICE	45,693	-
Agriculture	Direct	10.962	CO-CR-16-034	FOREIGN AGRICULTURAL SERVICE	29,495	-

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Other Federal Awards (Continued):</b>						
Agriculture	Direct	10.962	CO-CR-16-036	FOREIGN AGRICULTURAL SERVICE	\$ 20,895	\$ -
Agriculture	Direct	10.962	CO-CR-16-043	FOREIGN AGRICULTURAL SERVICE	58,466	-
Agriculture	Direct	10.962	CO-CR-17-013	FOREIGN AGRICULTURAL SERVICE	61,674	-
	<b>Direct Total</b>				<b>16,301,319</b>	<b>1,510,911</b>
Agriculture	Pass-through	10.001	018000.340753.13	MISSISSIPPI STATE UNIV	6,483	-
Agriculture	Pass-through	10.170	791N6600147	MI DEPT AG & RURAL DEV.	53,506	-
Agriculture	Pass-through	10.170	791N6600552	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	18,483	16,200
Agriculture	Pass-through	10.170	MDARD-791N7700164-Weinfeld	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	45,786	28,058
Agriculture	Pass-through	10.200	416-41-15A	IOWA STATE UNIV	17,267	-
Agriculture	Pass-through	10.200	416-41-15R	IOWA STATE UNIV	27,355	-
Agriculture	Pass-through	10.200	8000064756-AG	PURDUE UNIV	88,125	-
Agriculture	Pass-through	10.216	36 22091 396 76190	TUSKEGEE UNIV	11,764	-
Agriculture	Pass-through	10.216	36 22091 396 76190	TUSKEGEE UNIV	646	-
Agriculture	Pass-through	10.310	3001825205	UNIVERSITY OF MICHIGAN	91,041	-
Agriculture	Pass-through	10.310	S11204	KANSAS STATE UNIV	125,978	-
Agriculture	Pass-through	10.329	2014-07306-13	UNIVERSITY OF ILLINOIS	25,392	-
Agriculture	Pass-through	10.329	2014-07306-16	UNIVERSITY OF ILLINOIS	12,892	-
Agriculture	Pass-through	10.329	Univ of Illinois 2014-07306-01 Jess	UNIVERSITY OF ILLINOIS	158,373	-
Agriculture	Pass-through	10.350	018000.340753.26	MISSISSIPPI STATE UNIV	9,457	-
Agriculture	Pass-through	10.500	5367-MSU-USDA-4341	PENNSYLVANIA STATE UNIV	1,198	-
Agriculture	Pass-through	10.500	S16047	KANSAS STATE UNIV	6,153	-
Agriculture	Pass-through	10.500	S16047	KANSAS STATE UNIV	5,562	-
Agriculture	Pass-through	10.557	20162261-001 AN	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	9,818	-
Agriculture	Pass-through	10.557	20164109-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	9,696	-
Agriculture	Pass-through	10.557	Contract 20160880-00 Attachment C	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	59,610	-
Agriculture	Pass-through	10.557	E20170237-00-E	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	23,872	-
Agriculture	Pass-through	10.572	20160902-00 Attachment X	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	15,918	-
Agriculture	Pass-through	10.572	E20170668-00-Y	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	5,317	-
Agriculture	Pass-through	10.574	313B7700003	MICHIGAN DEPT OF EDUCATION	10,137	-
Agriculture	Pass-through	10.574	313P5500018	STATE OF MICHIGAN	94,766	-
Agriculture	Pass-through	10.574	313P6600017	STATE OF MICHIGAN	68,727	-
Agriculture	Pass-through	10.680	Purdue 8000064146-AG McCullough	PURDUE UNIV	11,532	-
Agriculture	Pass-through	10.777	016258-141	CIMMYT INC	15,151	-
	<b>Pass-through Total</b>				<b>1,030,005</b>	<b>44,258</b>
<b>Agriculture Total</b>					<b>17,331,324</b>	<b>1,555,169</b>
Commerce	Direct	11.417	NA14OAR4170285	NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	15,697	-
Commerce	Direct	11.620	70NANB15H339	NATIONAL INST OF STANDARDS & TECHNOLOGY	43,210	-
Commerce	Direct	11.900	16111007-0000-000	COMMERCE US DEPT OF	41,016	-
	<b>Direct Total</b>				<b>99,923</b>	<b>-</b>
Commerce	Pass-through	11.407	102699	MINNESOTA DEPT OF NATURAL RESO	19,345	-
Commerce	Pass-through	11.417	3002999560	UNIVERSITY OF MICHIGAN	79,504	-
Commerce	Pass-through	11.417	3003003179	UNIVERSITY OF MICHIGAN	623,975	-
Commerce	Pass-through	11.417	3003003179	UNIVERSITY OF MICHIGAN	3,000	-
Commerce	Pass-through	11.417	3003003179	UNIVERSITY OF MICHIGAN	2,982	-
Commerce	Pass-through	11.417	3003003181	UNIVERSITY OF MICHIGAN	37,977	-
Commerce	Pass-through	11.417	3003675941	UNIVERSITY OF MICHIGAN	84,515	-
Commerce	Pass-through	11.417	3004235158	UNIVERSITY OF MICHIGAN	5,406	-
Commerce	Pass-through	11.417	D00419455	UNIVERSITY OF MINNESOTA	2,125	-
Commerce	Pass-through	11.417	NA14OAR4170070	UNIVERSITY OF MICHIGAN	10,335	-
Commerce	Pass-through	11.417	UW/NOAA 69SK671 Triezenberg	UNIVERSITY OF WISCONSIN MADISON	5,000	-
Commerce	Pass-through	11.463	GVSU-226260-01	GRAND VALLEY STATE UNIV	14,987	-
	<b>Pass-through Total</b>				<b>889,151</b>	<b>-</b>
<b>Commerce Total</b>					<b>989,074</b>	<b>-</b>
Defense	Direct	12	152950	US ARMY CORPS OF ENGINEERS	35,848	-
Defense	Direct	12	153048	US ARMY CORPS OF ENGINEERS	29,909	-
Defense	Direct	12.431	W911NF-16-1-0351	ARMY RESEARCH OFFICE U S	7,336	-
Defense	Direct	12.431	W911NF-16-1-0394	ARMY RESEARCH OFFICE U S	26,785	-
	<b>Direct Total</b>				<b>99,878</b>	<b>-</b>
Defense	Pass-through	12	3287-DPA-2S	LUNA INNOVATIONS	34,550	-
Defense	Pass-through	12.116	Brainscope/Navv APP 148409 Covassin	BRAINSCOPE CO INC	262,847	-
Defense	Pass-through	12.550	0054-MSU-22-PI-280-PO2	INST OF INTL EDUCATION	334,898	-
Defense	Pass-through	12.550	0054-MSU-22-SSA-280-PO1	INST OF INTL EDUCATION	22,341	-
Defense	Pass-through	12.550	2340-MSU-7-PI-093-PO1	INST OF INTL EDUCATION	9,140	-
	<b>Pass-through Total</b>				<b>663,776</b>	<b>-</b>
<b>Defense Total</b>					<b>763,654</b>	<b>-</b>
Education	Direct	84.015	P015A140097 - 16	US DEPT OF EDUCATION	206,125	-
Education	Direct	84.015	P015A140098 - 16	US DEPT OF EDUCATION	281,900	-
Education	Direct	84.015	P015B140097 - 17	US DEPT OF EDUCATION	281,674	-
Education	Direct	84.015	P015B140099 - 16	US DEPT OF EDUCATION	295,063	-
Education	Direct	84.015	P015B140099 - 16	US DEPT OF EDUCATION	2,250	-
Education	Direct	84.022	P022A140053	US DEPT OF EDUCATION	500	-
Education	Direct	84.022	P022A150034	US DEPT OF EDUCATION	25,709	-
Education	Direct	84.022	P022A150034	US DEPT OF EDUCATION	15,261	-
Education	Direct	84.022	P022A160061	US DEPT OF EDUCATION	2,439	-
Education	Direct	84.022	USDE-P022A160061-Bresnahan/Bradshaw	US DEPT OF EDUCATION	14,171	-
Education	Direct	84.022	USDE-P022A160061-Bresnahan/Glovsky	US DEPT OF EDUCATION	14,988	-
Education	Direct	84.022	USDE-P022A160061-Bresnahan/McDaniel	US DEPT OF EDUCATION	29,075	-
Education	Direct	84.032	FFELP Loans Receivable	US DEPT OF EDUCATION	1,089,771	-
Education	Direct	84.129	H129B140012	US DEPT OF EDUCATION	200,443	-
Education	Direct	84.141	S141A120010-15	US DEPT OF EDUCATION	505,238	-
Education	Direct	84.149	S149A150003 - 16	US DEPT OF EDUCATION	444,313	-
Education	Direct	84.200	P200A140215	US DEPT OF EDUCATION	208,622	-
Education	Direct	84.220	P220A140001	US DEPT OF EDUCATION	313,409	-
Education	Direct	84.229	P229A140006	US DEPT OF EDUCATION	190,384	-
Education	Direct	84.305	R305B090011-13	US DEPT OF EDUCATION	138,658	-
Education	Direct	84.334	GEAR UP	US DEPT OF EDUCATION	86,024	-
	<b>Direct Total</b>				<b>4,346,017</b>	<b>-</b>
Education	Pass-through	84.010	App 151026	GOGEBIC ONTONAGON INTERMEDIATE SCHOOL DISTRICT	211,095	-
Education	Pass-through	84.010	Coaching 101	GOGEBIC ONTONAGON INTERMEDIATE SCHOOL DISTRICT	196,751	-
Education	Pass-through	84.011	16185-1516	MICHIGAN DEPT OF EDUCATION	99,324	-
Education	Pass-through	84.011	171850-1617	MICHIGAN DEPT OF EDUCATION	67,030	-
Education	Pass-through	84.048	163280-16183	MICHIGAN DEPT OF EDUCATION	3,202	-
Education	Pass-through	84.048	163430-16133	MICHIGAN DEPT OF EDUCATION	(5,941)	-
Education	Pass-through	84.048	173280-17183	MICHIGAN DEPT OF EDUCATION	64,880	-
Education	Pass-through	84.305	SP0021157-PROJ0006411	NORTHWESTERN UNIV	28,522	-
Education	Pass-through	84.334	15-00-06	MICHIGAN ECONOMIC DEVELOPMENT	124,029	-
Education	Pass-through	84.334	16-00-06	MICHIGAN ECONOMIC DEVELOPMENT	153,071	-
Education	Pass-through	84.367	150290-007	MICHIGAN DEPT OF EDUCATION	52,182	-

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Other Federal Awards (Continued):</b>						
Education	Pass-through	84.367	94-MI04-SEED2017-CRWPAI	NATIONAL WRITING PROJECT CORP	\$ 3,225	\$ -
Education	Pass-through	84.374	MAPSA Teacher Mentoring	MAPSA	(72)	-
	<b>Pass-through Total</b>				<u>997,298</u>	<u>-</u>
<b>Education Total</b>					<u>5,343,315</u>	<u>-</u>
Energy	Direct	81.049	DE-SC0015419	US DEPT OF ENERGY	10,000	-
	<b>Direct Total</b>				<u>10,000</u>	<u>-</u>
Energy	Pass-through	81.041	MEO-16-022	MI DEPT OF LICENSING & REG AFF	48,009	-
	<b>Pass-through Total</b>				<u>48,009</u>	<u>-</u>
<b>Energy Total</b>					<u>58,009</u>	<u>-</u>
Environmental Protection Agency	Direct	66.514	91778301	US ENVIRONMENTAL PROTECTION AGENCY	7,824	-
Environmental Protection Agency	Direct	66.716	83559101	US ENVIRONMENTAL PROTECTION AGENCY	16,388	-
	<b>Direct Total</b>				<u>24,212</u>	<u>-</u>
Environmental Protection Agency	Pass-through	66.469	APP#143229	THE STEWARDSHIP NETWORK	17,773	-
Environmental Protection Agency	Pass-through	66.605	791N6600447	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	7,999	-
Environmental Protection Agency	Pass-through	66.605	791N7700173	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	10,525	-
	<b>Pass-through Total</b>				<u>36,297</u>	<u>-</u>
<b>Environmental Protection Agency Total</b>					<u>60,509</u>	<u>-</u>
Federal Communications Commission	Direct	32.001	WKAR FCC Repack Account	FEDERAL COMMUNICATIONS COMMISSION	750	-
	<b>Direct Total</b>				<u>750</u>	<u>-</u>
<b>Federal Communications Commission Total</b>					<u>750</u>	<u>-</u>
Federal Council on the Arts and Humanities	Direct	45.024	15-5500-7066	NATIONAL ENDOWMENT FOR THE ARTS	5,535	-
Federal Council on the Arts and Humanities	Direct	45.024	16-5500-7136	NATIONAL ENDOWMENT FOR THE ARTS	32,503	-
Federal Council on the Arts and Humanities	Direct	45.024	NEA-17-5500-7010-MacdowellMarsha	NATIONAL ENDOWMENT FOR THE ARTS	14,865	-
Federal Council on the Arts and Humanities	Direct	45.149	PW-51583-14	NATL ENDOWMENT FOR THE HUMANIT	103,279	-
Federal Council on the Arts and Humanities	Direct	45.149	PW-51583-14	NATL ENDOWMENT FOR THE HUMANIT	12,391	-
Federal Council on the Arts and Humanities	Direct	45.169	HT-50088-14	NATL ENDOWMENT FOR THE HUMANIT	107,298	-
Federal Council on the Arts and Humanities	Direct	45.301	193247145	INST OF MUSEUM & LIBRARY SERVICES	37,452	-
Federal Council on the Arts and Humanities	Direct	45.301	MA-30-14-0073-14	INST OF MUSEUM & LIBRARY SERVICES	3,911	-
Federal Council on the Arts and Humanities	Direct	45.301	MA-30-15-0325-15	INST OF MUSEUM & LIBRARY SERVICES	29,834	-
	<b>Direct Total</b>				<u>347,068</u>	<u>-</u>
Federal Council on the Arts and Humanities	Pass-through	45.025	16NL3416MT	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	1,565	-
Federal Council on the Arts and Humanities	Pass-through	45.025	16OP3199PS	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	(74)	-
Federal Council on the Arts and Humanities	Pass-through	45.025	16OP3209PS	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	8,763	-
Federal Council on the Arts and Humanities	Pass-through	45.025	16OP3210PS	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	(1,178)	-
Federal Council on the Arts and Humanities	Pass-through	45.025	16SF3363SV	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	28,955	-
Federal Council on the Arts and Humanities	Pass-through	45.025	17NL4060MT_MSU	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	997	-
Federal Council on the Arts and Humanities	Pass-through	45.025	17PS3670AC	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	21,002	-
Federal Council on the Arts and Humanities	Pass-through	45.025	17PS3672ED	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	18,000	-
Federal Council on the Arts and Humanities	Pass-through	45.025	17SF3476SV	MICHIGAN STRATEGIC FUND	24,553	-
Federal Council on the Arts and Humanities	Pass-through	45.025	MCACA 17PS4002AC Wilson	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	9,753	-
Federal Council on the Arts and Humanities	Pass-through	45.129	Q023-16P	MICHIGAN HUMANITIES COUNCIL	985	-
Federal Council on the Arts and Humanities	Pass-through	45.169	15-119-100485-010	OLD DOMINION UNIV	19,579	-
Federal Council on the Arts and Humanities	Pass-through	45.169	NEH #HK-50155-14	THE NEW SCHOOL	9,577	-
Federal Council on the Arts and Humanities	Pass-through	45.169	NEH #HK-50155-14	THE NEW SCHOOL	(966)	-
	<b>Pass-through Total</b>				<u>141,511</u>	<u>-</u>
<b>Federal Council on the Arts and Humanities Total</b>					<u>488,579</u>	<u>-</u>
Health and Human Services	Direct	93.103	3U18FD004632-0451	FOOD & DRUG ADMINISTRATION	4,703	-
Health and Human Services	Direct	93.103	4U18FD004632-04	FOOD & DRUG ADMINISTRATION	16,428	-
Health and Human Services	Direct	93.124	1A22HP29892-01-00	HEALTH RESOURCES & SERVICES ADMINISTRATION	19,827	-
Health and Human Services	Direct	93.157	5D34HP24457-05-00	HEALTH RESOURCES & SERVICES ADMINISTRATION	679,914	-
Health and Human Services	Direct	93.247	5 D09HP26953-03-00	HEALTH RESOURCES & SERVICES ADMINISTRATION	224,375	-
Health and Human Services	Direct	93.884	5 D54HP23284-05-00	HEALTH RESOURCES & SERVICES ADMINISTRATION	61,686	-
Health and Human Services	Direct	93.884	5D58HP23259-05-00	HEALTH RESOURCES & SERVICES ADMINISTRATION	101,980	-
	<b>Direct Total</b>				<u>1,108,913</u>	<u>-</u>
Health and Human Services	Pass-through	93	391N6602397; 391N7700706	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	27,078	-
Health and Human Services	Pass-through	93	AOEC Exposure Code	ASSOC OCCUPATIONAL & ENVIRONMENT	24,842	-
Health and Human Services	Pass-through	93	Work@Health	ASLHUN MANAGEMENT GROUP INC	(970)	-
Health and Human Services	Pass-through	93.070	E20170233-00-B	MICHIGAN DEPT OF COMMUNITY HEALTH	42,815	-
Health and Human Services	Pass-through	93.070	E20170233-00-B	MICHIGAN DEPT OF COMMUNITY HEALTH	21,408	-
Health and Human Services	Pass-through	93.074	20160883-00-F	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	95,767	-
Health and Human Services	Pass-through	93.074	E20170235-00 D	MICHIGAN DEPT OF HUMAN SERVICES	87,447	-
Health and Human Services	Pass-through	93.080	15-16-442	HEMOPHILIA FOUNDATION OF MICHIGAN	17,056	-
Health and Human Services	Pass-through	93.080	CDC 16-17-442	HEMOPHILIA FOUNDATION OF MICHIGAN	40,214	-
Health and Human Services	Pass-through	93.103	154180	IOWA STATE UNIV	5,251	-
Health and Human Services	Pass-through	93.103	15-AUFSI-360490-MSU	AUBURN UNIV	11,098	-
Health and Human Services	Pass-through	93.103	791N770000252	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	201,015	-
Health and Human Services	Pass-through	93.103	VERMONT-FDA-Tocco	UNIVERSITY OF VERMONT	3,774	-
Health and Human Services	Pass-through	93.110	ATHN2015-HRSA-2	AMERICAN THROMBOSIS & HEMOSTAS	63,053	-
Health and Human Services	Pass-through	93.110	E20172700-00-AL	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	2,736	-
Health and Human Services	Pass-through	93.110	HFM / HRSA 150689 Kulkarni	HEMOPHILIA FOUNDATION OF MICHIGAN	59,639	-
Health and Human Services	Pass-through	93.110	MCHB 442 17-18	HEMOPHILIA FOUNDATION OF MICHIGAN	305	-
Health and Human Services	Pass-through	93.110	MCHB Grant	HEMOPHILIA FOUNDATION OF MICHIGAN	(157)	-
Health and Human Services	Pass-through	93.110	WSU16154	WAYNE STATE UNIV	41,589	-
Health and Human Services	Pass-through	93.184	E20170233-00-B	MICHIGAN DEPT OF COMMUNITY HEALTH	3,568	-
Health and Human Services	Pass-through	93.243	7FD44-A	RESEARCH FOUNDATION OF CUNY	2,856	-
Health and Human Services	Pass-through	93.243	E20170233-00-B	MICHIGAN DEPT OF COMMUNITY HEALTH	8,028	-
Health and Human Services	Pass-through	93.262	E20170233-00-B	MICHIGAN DEPT OF COMMUNITY HEALTH	10,704	-
Health and Human Services	Pass-through	93.268	Contract 20160899-00 Attachment U	MI DEPT OF HUMAN SERVICES	63,817	-
Health and Human Services	Pass-through	93.268	E20170667-00-X	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	134,410	-
Health and Human Services	Pass-through	93.283	20160881-001-D	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	8,571	-
Health and Human Services	Pass-through	93.283	20160882-00-E	MI DEPT OF HUMAN SERVICES	223,373	-
Health and Human Services	Pass-through	93.283	20160891-00 Attachment L	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	4,844	-
Health and Human Services	Pass-through	93.283	E20170233-00-B	MICHIGAN DEPT OF COMMUNITY HEALTH	226,258	-
Health and Human Services	Pass-through	93.283	E20170234-00-C	MICHIGAN DEPT OF COMMUNITY HEALTH	18,567	-
Health and Human Services	Pass-through	93.283	E20170234-00-C	MICHIGAN DEPT OF COMMUNITY HEALTH	2,513	-
Health and Human Services	Pass-through	93.283	E20170247-00-P	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	118,203	-
Health and Human Services	Pass-through	93.283	E20170672-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	42,761	-
Health and Human Services	Pass-through	93.283	E20172453-00-AA	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	200,763	-
Health and Human Services	Pass-through	93.283	E20172468-00-O	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	133	-
Health and Human Services	Pass-through	93.305	E20170233-00-B	MICHIGAN DEPT OF COMMUNITY HEALTH	29,435	-
Health and Human Services	Pass-through	93.469	E20170233-00-B	MICHIGAN DEPT OF COMMUNITY HEALTH	7,136	-
Health and Human Services	Pass-through	93.556	SFSC14-19001	MI DEPT OF HUMAN SERVICES	21,911	-
Health and Human Services	Pass-through	93.556	SFSC14-19001	MI DEPT OF HUMAN SERVICES	824	-
Health and Human Services	Pass-through	93.590	CTFDS-15-73001	MI DEPT OF HUMAN SERVICES	27,470	-
Health and Human Services	Pass-through	93.590	CTFDS-15-73001	MI DEPT OF HUMAN SERVICES	7,329	-
Health and Human Services	Pass-through	93.600	05CH8365	CACS HEAD START	86,446	-
Health and Human Services	Pass-through	93.600	05CH8365	CAPITAL AREA COMMUNITY SERVICE	22,326	-

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Other Federal Awards (Continued):</b>						
Health and Human Services	Pass-through	93.624	E20170233-00-B	MICHIGAN DEPT OF COMMUNITY HEALTH	\$ 115,311	\$ -
Health and Human Services	Pass-through	93.624	E20170234-00-C	MICHIGAN DEPT OF COMMUNITY HEALTH	5,514	-
Health and Human Services	Pass-through	93.628	20160892-00 Attachment M	MI COMMUNITY HEALTH	30,251	-
Health and Human Services	Pass-through	93.644	E20172455-00 AH	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	23,529	-
Health and Human Services	Pass-through	93.647	FY16.150.002	UNIVERSITY OF COLORADO DENVER	28,758	-
Health and Human Services	Pass-through	93.648	16-39	RESEARCH FOUNDATION OF SUNY	125,055	-
Health and Human Services	Pass-through	93.758	E20172531-00-AK	MICHIGAN DEPT OF COMMUNITY HEALTH	10,744	-
Health and Human Services	Pass-through	93.758	E20172532-00-AJ	MICHIGAN DEPT OF COMMUNITY HEALTH	9,493	-
Health and Human Services	Pass-through	93.758	E20172760-00-AM	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	1,353	-
Health and Human Services	Pass-through	93.778	E20170233-00-B	MICHIGAN DEPT OF COMMUNITY HEALTH	2,676	-
Health and Human Services	Pass-through	93.778	U05M15ADM(17)	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	24,221	-
Health and Human Services	Pass-through	93.808	E20170233-00-B	MICHIGAN DEPT OF COMMUNITY HEALTH	41,307	-
Health and Human Services	Pass-through	93.872	FY17.494.004	UNIVERSITY OF COLORADO DENVER	13,333	-
Health and Human Services	Pass-through	93.926	HR-SBP14-05	SPECTRUM HEALTH SYSTEM	69,795	-
Health and Human Services	Pass-through	93.926	SPECTRUM HR-SBP14-05 Roman	SPECTRUM HEALTH SYSTEM	40,953	-
Health and Human Services	Pass-through	93.945	E20170233-00-B	MICHIGAN DEPT OF COMMUNITY HEALTH	32,825	-
Health and Human Services	Pass-through	93.945	E20170233-00-B	MICHIGAN DEPT OF COMMUNITY HEALTH	7,136	-
Health and Human Services	Pass-through	93.958	E20170233-00-B	MICHIGAN DEPT OF COMMUNITY HEALTH	8,920	-
Health and Human Services	Pass-through	93.991	20160912 AH	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	36,455	-
Health and Human Services	Pass-through	93.994	20163467-00 AR	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	18,500	-
	<b>Pass-through Total</b>				<u>2,662,335</u>	<u>-</u>
<b>Health and Human Services Total</b>					<u>3,771,248</u>	<u>-</u>
Homeland Security	Direct	97.012	3316SUR160102	US COAST GUARD	81,805	-
	<b>Direct Total</b>				<u>81,805</u>	<u>-</u>
Homeland Security	Pass-through	97.061	06-S140695	TEXAS A&M UNIV	13,671	-
	<b>Pass-through Total</b>				<u>13,671</u>	<u>-</u>
<b>Homeland Security Total</b>					<u>95,476</u>	<u>-</u>
Housing and Urban Development	Pass-through	14.169	148914	MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY	33,589	-
	<b>Pass-through Total</b>				<u>33,589</u>	<u>-</u>
<b>Housing and Urban Development Total</b>					<u>33,589</u>	<u>-</u>
Interior	Direct	15	G16PX00039	US GEOLOGICAL SURVEY	40,585	-
Interior	Direct	15.805	G15PX01660	US GEOLOGICAL SURVEY	19,510	-
	<b>Direct Total</b>				<u>60,095</u>	<u>-</u>
Interior	Pass-through	15.805	2015-06806-02	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	9,000	-
Interior	Pass-through	15.805	2015-06806-02	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	7,376	-
Interior	Pass-through	15.805	UIUC 078687-15712 Stewart	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	15,892	-
Interior	Pass-through	15.805	UIUC 078687-15712 Stewart	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	8,197	-
Interior	Pass-through	15.922	153436	CITY OF ST IGNACE	28,710	-
	<b>Pass-through Total</b>				<u>69,175</u>	<u>-</u>
<b>Interior Total</b>					<u>129,270</u>	<u>-</u>
Justice	Direct	16.001	90-11-2-529Z	US DEPT OF JUSTICE	60,040	-
	<b>Direct Total</b>				<u>60,040</u>	<u>-</u>
Justice	Pass-through	16.001	BAH/DOJ 20150521-140522-91 McGarrell	BOOZ ALLEN HAMILTON INC	20,566	-
Justice	Pass-through	16.001	BOOZ-DOJ-20161005-142733-49-McGarrell	BOOZ ALLEN HAMILTON INC	26,609	-
Justice	Pass-through	16.575	20160907-00 Attachment AC	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	76,533	-
Justice	Pass-through	16.575	E20172267-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	195,525	-
Justice	Pass-through	16.575	E20172639-00	MICHIGAN DEPT OF HUMAN SERVICES	27,918	-
Justice	Pass-through	16.726	4-H National Mentoring Program Year 5	NATIONAL 4H COUNCIL	3,602	-
Justice	Pass-through	16.726	MI 4-H Tech Wizard	NATIONAL 4H COUNCIL	257,535	-
Justice	Pass-through	16.726	NMP7	NATIONAL 4H COUNCIL	96,578	-
Justice	Pass-through	16.751	Prime 2011-DB-BX-0033	MI STATE POLICE	(96)	-
Justice	Pass-through	16.833	3-321-0215016-52458L	RTI INTERNATIONAL	72,613	-
	<b>Pass-through Total</b>				<u>777,383</u>	<u>-</u>
<b>Justice Total</b>					<u>837,423</u>	<u>-</u>
Labor	Direct	17.502	SH-26316-14-60-F-26	LABOR US DEPT OF	38,993	-
	<b>Direct Total</b>				<u>38,993</u>	<u>-</u>
<b>Labor Total</b>					<u>38,993</u>	<u>-</u>
National Aeronautics & Space Administration	Direct	43.001	NASA NNX14A011H GoSFC Liu	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	29,903	-
	<b>Direct Total</b>				<u>29,903</u>	<u>-</u>
<b>National Aeronautics &amp; Space Administration Total</b>					<u>29,903</u>	<u>-</u>
Office of Personnel Management	Direct	27.011	US Veterans APP 151184 Reeves	U S DEPT OF VETERANS AFFAIRS	11,081	-
	<b>Direct Total</b>				<u>11,081</u>	<u>-</u>
<b>Office of Personnel Management Total</b>					<u>11,081</u>	<u>-</u>
Social Security Administration	Pass-through	96.644	20164110AT	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	12,810	-
	<b>Pass-through Total</b>				<u>12,810</u>	<u>-</u>
<b>Social Security Administration Total</b>					<u>12,810</u>	<u>-</u>
State	Pass-through	12.550	0136	INST OF INTL EDUCATION	623	-
State	Pass-through	19.010	3223_MSU_7.1.16	INST OF INTL EDUCATION	197,140	-
State	Pass-through	19.400	S-ECAGD-16-CA-1004	INST OF INTL EDUCATION	67,606	-
	<b>Pass-through Total</b>				<u>265,369</u>	<u>-</u>
<b>State Total</b>					<u>265,369</u>	<u>-</u>
Transportation	Pass-through	20	MFF 116500 - DOT 2012-0730#23	MICHIGAN FITNESS FOUNDATION	52,369	-
Transportation	Pass-through	20.215	2016-0131	MICHIGAN DEPT OF TRANSPORTATION	15,523	-
Transportation	Pass-through	20.215	MDOT-2016-0131-LuschDavid	MICHIGAN DEPT OF TRANSPORTATION	21,420	-
	<b>Pass-through Total</b>				<u>89,312</u>	<u>-</u>
<b>Transportation Total</b>					<u>89,312</u>	<u>-</u>
Treasury	Pass-through	21.000	NFMC Program	MICH STATE HOUSING DEVELOPMENT	161	-
Treasury	Pass-through	21.000	NFMC Round 9	MICH STATE HOUSING DEVELOPMENT	(26)	-
	<b>Pass-through Total</b>				<u>135</u>	<u>-</u>
<b>Treasury Total</b>					<u>135</u>	<u>-</u>
USAID	Direct	98.001	AID-OAA-A-13-00006	US AGENCY FOR INTL DEVELOPMENT	2,783,478	881,341
USAID	Direct	98.001	AID-OAA-A-13-00006	US AGENCY FOR INTL DEVELOPMENT	72,867	13,000
USAID	Direct	98.001	AID-OAA-A-13-00006	US AGENCY FOR INTL DEVELOPMENT	61,362	-
USAID	Direct	98.001	USAID AID-OAA-A-13-00006 DERKSEN-GRAIN	US AGENCY FOR INTL DEVELOPMENT	109,891	-
	<b>Direct Total</b>				<u>3,027,598</u>	<u>894,341</u>
USAID	Pass-through	98	1856-000	TETRA TECH INC	17,140	-
USAID	Pass-through	98.001	016258-158	UNIVERSITY OF CALIFORNIA DAVIS	9,160	-
USAID	Pass-through	98.001	2015-07022-02	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	82,287	-
USAID	Pass-through	98.001	2015-07022-02	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	32,477	-
USAID	Pass-through	98.001	2420	IMPAQ INTL	41,469	-

MICHIGAN STATE UNIVERSITY  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2017

Federal Agency	Direct/Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
<b>Other Federal Awards (Continued):</b>						
USAID	Pass-through	98.001	2993-MSU-1	INST OF INTL EDUCATION	\$ 5,263	\$ -
USAID	Pass-through	98.001	60039687	OHIO STATE UNIV	190,002	-
USAID	Pass-through	98.001	8000069602	PURDUE UNIV	19,194	-
USAID	Pass-through	98.001	A1101 BANGLADESH	CIMMYT INC	60,853	-
USAID	Pass-through	98.001	A1101 CAMBODIA	CIMMYT INC	127,869	-
USAID	Pass-through	98.001	A1101 GHANA	CIMMYT INC	129,333	-
USAID	Pass-through	98.001	A1101 UGANDA	CIMMYT INC	163,827	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	1,047,816	22,103
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	713,771	245,690
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	658,453	540,172
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	658,121	133,652
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	562,743	41,737
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	458,114	447,931
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	455,613	250,343
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	414,243	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	406,079	355,648
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	399,639	83,173
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	253,590	147,253
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	216,576	101,052
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	156,951	77,242
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	149,122	2,970
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	106,381	55,029
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	35,342	35,342
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	34,724	8,091
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	20,487	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	18,291	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	16,883	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	3,442	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	105	-
USAID	Pass-through	98.001	BHEARD	CIMMYT INC	(482,434)	-
USAID	Pass-through	98.001	RC710-059/S000766	UNIVERSITY OF GEORGIA	(27,709)	(27,709)
USAID	Pass-through	98.001	REPLACE-IQC-TtARD-MSU-005	TETRA TECH INC.	35,856	-
USAID	Pass-through	98.001	UIUC-2015-07022-02-Suvedi	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	54,305	-
	<b>Pass-through Total</b>				<u>7,245,378</u>	<u>2,519,719</u>
<b>USAID Total</b>					<u>10,272,976</u>	<u>3,414,060</u>
Vietnam Education Foundation	Direct	85.802	VIETNAM EDUCATION FOUNDATION	VIETNAM EDUCATION FOUNDATION	27,997	-
	<b>Direct Total</b>				<u>27,997</u>	<u>-</u>
<b>Vietnam Education Foundation Total</b>					<u>27,997</u>	<u>-</u>
<b>TOTAL OTHER FEDERAL AWARDS</b>					<b>40,650,796</b>	<b>4,969,229</b>
<b>TOTAL FEDERAL EXPENDITURES</b>					<b>\$ 876,295,612</b>	<b>\$ 46,931,657</b>
<b>SUMMARY OF EXPENDITURES BY FEDERAL AGENCY</b>						
Energy					\$ 134,918,023	\$ 1,877,399
National Science Foundation					78,554,235	7,129,351
Health and Human Services					69,464,698	9,953,399
Agriculture					61,075,602	10,045,974
Education					49,806,596	107,231
USAID					34,112,724	14,761,852
Defense					9,498,090	600,808
Justice					4,440,653	378,710
Transportation					2,437,002	1,098,268
National Aeronautics & Space Administration					2,426,003	216,758
Environmental Protection Agency					2,388,550	723,194
Commerce					1,983,473	-
Interior					1,908,799	-
Federal Council on the Arts and Humanities					703,957	38,713
State					335,944	-
Homeland Security					139,316	-
Labor					38,993	-
Housing and Urban Development					33,589	-
Vietnam Education Foundation					32,997	-
Social Security Administration					12,810	-
Office of Personnel Management					11,081	-
Federal Communications Commission					750	-
Treasury					135	-
					<u>454,324,020</u>	<u>46,931,657</u>
<b>SUMMARY OF LOAN BALANCES BY FEDERAL AGENCY</b>						
Education					411,122,560	-
Health and Human Services					10,849,032	-
					<u>421,971,592</u>	<u>-</u>
<b>TOTAL FEDERAL EXPENDITURES</b>					<b>\$ 876,295,612</b>	<b>\$ 46,931,657</b>

# Michigan State University

## Notes to Schedule of Expenditures of Federal Awards Year Ended June 30, 2017

### 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, 2017. The information in the 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 elected not 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 \$66,653,809, which are based on the approved university rate agreement negotiated with the cognizant agency. The negotiated rate is effective from 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.

### 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.

# Michigan State University

## Notes to Schedule of Expenditures of Federal Awards Year Ended June 30, 2017

### 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.

Loan Program	Loan Program	Loans Issued	Loan Balances
84.038	Perkins	\$ 2,557,661	\$ 34,642,965
93.264	Nurse Faculty Loans	84,575	285,019
93.342	Health Professional Student Loans	1,386,574	9,504,098
93.364	Nursing Student Loans	-	4,089
	Total	<u>\$ 4,028,810</u>	<u>\$ 44,436,171</u>

The University participates in the Federal Direct Student Loan Program (FDLs). A total of \$369,630,484 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, 2017.

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 \$829,285 at June 30, 2017.

### Note 7 - Federal Work Study Program Adjustments and Transfers

During the year ended June 30, 2017, certain Federal Work Study funds were transferred in accordance with federal guidelines. The transfers were as follows:

Transferred from	Amount	Transferred to
Federal Work Study 2016-2017	\$ 538,571	Federal Supplemental Educational Opportunity Grant 2016-2017
Federal Work Study 2015-2016	220,590	Federal Work Study 2016-2017
Federal Work Study 2016-2017	206,809	Federal Work Study 2017-2018
Total	<u>\$ 965,970</u>	

# Michigan State University

## Schedule of Findings and Questioned Costs Year Ended June 30, 2017

### 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:

CFDA Numbers	Name of Federal Program or Cluster
Various	Research and Development Cluster
84.032	Federal Family Education Loan Program - Lenders
10.500	Cooperative Extension Service
98.001	USAID Foreign Assistance for Programs Overseas

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**

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## **Schedule of Findings and Questioned Costs (Continued) Year Ended June 30, 2017**

### **Section II - Financial Statement Audit Findings**

None

### **Section III - Federal Program Audit Findings**

None

**Single Audit Report: Summary Schedule of Prior Audit Findings**

**Year Ended June 30, 2017**

***Finding 2016-001***

**Program Name** –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 University Registrar's Office and the National Student Clearinghouse (NSC), the University's agent for enrollment and degree reporting, have implemented additional controls and functionality to ensure data updates are completed within the reporting window established by NSLDS. The University considers this issue corrected and closed.

**Position of Responsible Official** – University Registrar, Office of the Registrar

**Status of Finding** – This finding is corrected.



**OFFICE OF THE  
CONTROLLER**

**Financial Analysis &  
Reporting**

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