
Michigan State University

Federal Awards Supplemental Information
June 30, 2021

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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, 2021 and the related notes to the financial statements, which collectively comprise the University's basic financial statements. We issued our report thereon dated October 28, 2021, which contained an unmodified opinion on the financial statements and its component unit. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. We have not performed any procedures with respect to the audited financial statements subsequent to October 28, 2021. We did not audit the financial statements of Michigan State University Foundation (the "Foundation"), which represent all of the assets, net assets, and revenue of the discretely presented component unit. Those financial statements were audited by other auditors, whose report thereon has been furnished to us, and our opinion, insofar as it relates to the amounts included for the Foundation, is based on the report of the other auditors.

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

Plante & Moran, PLLC

July 27, 2022

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 auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of Michigan State University (the "University") and its discretely presented component unit as of and for the year ended June 30, 2021 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 28, 2021. Our report includes a reference to other auditors who audited the financial statements of Michigan State University Foundation (the "Foundation"), as described in our report on Michigan State University's 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 the University's internal control over financial reporting (internal control) as a basis for designing 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.

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 the 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 financial statements. 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*.

To Management and the Board of Trustees
Michigan State University

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 28, 2021

Report on Compliance for Each Major Federal Program and Report on Internal Control Over Compliance Required
by the Uniform Guidance

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 the University's major federal programs for the year ended June 30, 2021. The University's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

The 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, 2021.

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 the 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 the University's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

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

Opinion on Each Major Federal Program

In our opinion, the 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 the major federal programs for the year ended June 30, 2021.

To the Board of Trustees
Michigan State University

Report on Internal Control Over Compliance

Management of the 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 the 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.

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

July 27, 2022

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER						
US Dept of Agriculture	Direct	10.001	58-0202-0-177	AGRICULTURAL RESEARCH SERVICE	\$ 524,253	\$ -
US Dept of Agriculture	Direct	10.001	58-2034-0-024	AGRICULTURAL RESEARCH SERVICE	1,933	-
US Dept of Agriculture	Direct	10.001	58-2072-0-059	AGRICULTURAL RESEARCH SERVICE	34,381	-
US Dept of Agriculture	Direct	10.001	58-3655-4-042	AGRICULTURAL RESEARCH SERVICE	6,777	-
US Dept of Agriculture	Direct	10.001	58-5050-0-001	AGRICULTURAL RESEARCH SERVICE	59,305	-
US Dept of Agriculture	Direct	10.001	58-5050-0-002	AGRICULTURAL RESEARCH SERVICE	59,608	-
US Dept of Agriculture	Direct	10.001	58-5050-0-003	AGRICULTURAL RESEARCH SERVICE	124,680	-
US Dept of Agriculture	Direct	10.001	58-5050-0-004	AGRICULTURAL RESEARCH SERVICE	129,721	-
US Dept of Agriculture	Direct	10.001	58-5050-7-005	AGRICULTURAL RESEARCH SERVICE	(2,681)	-
US Dept of Agriculture	Direct	10.001	58-5050-9-001	AGRICULTURAL RESEARCH SERVICE	10,568	-
US Dept of Agriculture	Direct	10.001	58-5050-9-002	AGRICULTURAL RESEARCH SERVICE	6,058	-
US Dept of Agriculture	Direct	10.001	58-5050-9-003	AGRICULTURAL RESEARCH SERVICE	15,540	-
US Dept of Agriculture	Direct	10.001	58-5050-9-004	AGRICULTURAL RESEARCH SERVICE	23,808	-
US Dept of Agriculture	Direct	10.001	58-5090-0-025	AGRICULTURAL RESEARCH SERVICE	14,155	-
US Dept of Agriculture	Direct	10.001	58-5090-0-027	AGRICULTURAL RESEARCH SERVICE	16,165	-
US Dept of Agriculture	Direct	10.001	58-8010-0-015	AGRICULTURAL RESEARCH SERVICE	12,390	-
US Dept of Agriculture	Direct	10.001	58-8042-9-045	AGRICULTURAL RESEARCH SERVICE	21,607	-
US Dept of Agriculture	Direct	10.001	58-8042-9-055	AGRICULTURAL RESEARCH SERVICE	3,311	-
US Dept of Agriculture	Direct	10.001	58-8060-6-009	AGRICULTURAL RESEARCH SERVICE	26,774	-
US Dept of Agriculture	Direct	10.001	59-0206-0-114	AGRICULTURAL RESEARCH SERVICE	117,966	-
US Dept of Agriculture	Direct	10.001	59-0206-0-138	AGRICULTURAL RESEARCH SERVICE	21,191	-
US Dept of Agriculture	Direct	10.001	59-0206-0-152	AGRICULTURAL RESEARCH SERVICE	29,007	-
US Dept of Agriculture	Direct	10.001	59-0206-6-003	AGRICULTURAL RESEARCH SERVICE	13,609	-
US Dept of Agriculture	Direct	10.001	59-0206-6-004	AGRICULTURAL RESEARCH SERVICE	3,435	-
US Dept of Agriculture	Direct	10.001	59-0206-6-004	AGRICULTURAL RESEARCH SERVICE	50,192	-
US Dept of Agriculture	Direct	10.001	59-0206-8-189	AGRICULTURAL RESEARCH SERVICE	(1,262)	-
US Dept of Agriculture	Direct	10.001	59-5050-7-001	AGRICULTURAL RESEARCH SERVICE	20,482	-
US Dept of Agriculture	Direct	10.001	59-6070-0-011	AGRICULTURAL RESEARCH SERVICE	13,917	-
US Dept of Agriculture	Direct	10.001	S 58-3042-8-012	AGRICULTURAL RESEARCH SERVICE	13	-
US Dept of Agriculture	Direct	10.001	S 58-8062-8-014	AGRICULTURAL RESEARCH SERVICE	2,947	-
US Dept of Agriculture	Direct	10.001	S-58-3060-8-022	AGRICULTURAL RESEARCH SERVICE	31,150	-
US Dept of Agriculture	Direct	10.001	S-58-5050-8-004	AGRICULTURAL RESEARCH SERVICE	4,541	-
US Dept of Agriculture	Direct	10.001	S-58-5050-8-005	AGRICULTURAL RESEARCH SERVICE	(4,541)	-
US Dept of Agriculture	Direct	10.001	S-58-5050-8-007	AGRICULTURAL RESEARCH SERVICE	(13,647)	-
US Dept of Agriculture	Direct	10.001	S-58-5050-8-008	AGRICULTURAL RESEARCH SERVICE	87,861	-
US Dept of Agriculture	Direct	10.001	S-58-5082-8-023	AGRICULTURAL RESEARCH SERVICE	38,580	-
US Dept of Agriculture	Direct	10.001	S-58-6040-8-019	AGRICULTURAL RESEARCH SERVICE	(20)	-
US Dept of Agriculture	Direct	10.001	S-59-0206-8-215	AGRICULTURAL RESEARCH SERVICE	118,335	-
US Dept of Agriculture	Direct	10.001	S-59-2034-8-002	AGRICULTURAL RESEARCH SERVICE	(296)	-
US Dept of Agriculture	Direct	10.025	20000002300	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	48,331	-
US Dept of Agriculture	Direct	10.025	AP18PPQS&T00C026	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	(1)	-
US Dept of Agriculture	Direct	10.025	AP18PPQS&T00C206	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	112,106	-
US Dept of Agriculture	Direct	10.025	AP19PPQS & T00C026	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	1,859	-
US Dept of Agriculture	Direct	10.025	AP19PPQS&T00C031	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	548	-
US Dept of Agriculture	Direct	10.025	AP19PPQS&T00C034	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	60,356	-
US Dept of Agriculture	Direct	10.025	AP19PPQS&T00C109	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	(773)	-
US Dept of Agriculture	Direct	10.025	AP19PPQS&T00C153	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	43,168	-
US Dept of Agriculture	Direct	10.025	AP19PPQS&T00C155	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	230,203	125,267
US Dept of Agriculture	Direct	10.025	AP19PPQS&T00C178	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	15,000	-
US Dept of Agriculture	Direct	10.025	AP20PPQF0000C556	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	36,265	-
US Dept of Agriculture	Direct	10.025	AP20PPQS&T00C016	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	24,968	-
US Dept of Agriculture	Direct	10.025	AP20PPQS&T00C019	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	8,697	-
US Dept of Agriculture	Direct	10.025	AP20PPQS&T00C037	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	208,565	-
US Dept of Agriculture	Direct	10.025	AP20PPQS&T00C101	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	134,336	-
US Dept of Agriculture	Direct	10.025	AP20PPQS&T00C157	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	16,843	-
US Dept of Agriculture	Direct	10.025	APHIS	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	39,128	-
US Dept of Agriculture	Direct	10.156	AM180100XXXXG151	AGRICULTURAL MARKETING SERVICE	41,594	-
US Dept of Agriculture	Direct	10.156	AM180100XXXXG154	AGRICULTURAL MARKETING SERVICE	(5,161)	-
US Dept of Agriculture	Direct	10.156	AM190100XXXXG062	AGRICULTURAL MARKETING SERVICE	40,418	-
US Dept of Agriculture	Direct	10.164	19-TMMSD-MI-0008	AGRICULTURAL MARKETING SERVICE	88,426	-
US Dept of Agriculture	Direct	10.164	21-TMMSD-MI-0002	AGRICULTURAL MARKETING SERVICE	13,796	-
US Dept of Agriculture	Direct	10.174	AM200100XXXXG010	US DEPT OF AGRICULTURE	51,075	-
US Dept of Agriculture	Direct	10.200	2016-34141-25707	US DEPT OF AGRICULTURE	(3,647)	-
US Dept of Agriculture	Direct	10.200	2017-34383-27028	NATIONAL INST OF FOOD AND AGRICULTURE	178,940	-
US Dept of Agriculture	Direct	10.200	2019-34141-30284	NATIONAL INST OF FOOD AND AGRICULTURE	754,775	544,524
US Dept of Agriculture	Direct	10.200	2019-34383-29882	NATIONAL INST OF FOOD AND AGRICULTURE	1,430,513	-
US Dept of Agriculture	Direct	10.200	2019-70007-30417	NATIONAL INST OF FOOD AND AGRICULTURE	115,282	36,915
US Dept of Agriculture	Direct	10.200	2020-70007-32410	NATIONAL INST OF FOOD AND AGRICULTURE	34,161	-
US Dept of Agriculture	Direct	10.202	N21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	1,398	-
US Dept of Agriculture	Direct	10.202	N21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	16,440	-
US Dept of Agriculture	Direct	10.202	N21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	26,687	-
US Dept of Agriculture	Direct	10.202	N21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	33,464	-
US Dept of Agriculture	Direct	10.202	N21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	34,376	-
US Dept of Agriculture	Direct	10.202	N21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	37,717	-
US Dept of Agriculture	Direct	10.202	N21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	44,799	-
US Dept of Agriculture	Direct	10.202	N21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	54,112	-
US Dept of Agriculture	Direct	10.202	N21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	58,156	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005	US DEPT OF AGRICULTURE	2,192	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005	US DEPT OF AGRICULTURE	223,598	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005	US DEPT OF AGRICULTURE	352,853	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005	US DEPT OF AGRICULTURE	363,509	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005	US DEPT OF AGRICULTURE	505,758	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	(4,623)	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	707	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	3,881	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	13,702	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	24,650	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	25,577	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	27,134	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	43,298	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	43,384	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	48,531	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	48,788	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	175,392	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	213,534	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	335,321	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	863,718	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	971,628	-
US Dept of Agriculture	Direct	10.203	N21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	1,007,545	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	(447)	-

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	\$ (65)	\$ -
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	1,143	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	1,695	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	1,707	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	2,191	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	3,323	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	5,023	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	6,168	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	7,636	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	7,885	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	9,095	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	10,422	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	11,085	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	11,866	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	11,894	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	12,015	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	12,185	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	12,186	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	12,653	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	13,102	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	13,195	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	13,465	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	13,676	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	15,016	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	16,489	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	16,797	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	18,064	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	18,375	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	18,381	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	19,415	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	20,006	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	21,791	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	22,073	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	22,805	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	23,321	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	23,519	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	26,910	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	27,003	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	27,351	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	27,499	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	28,178	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	31,097	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	35,756	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	41,265	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	44,741	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	44,965	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	67,280	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	69,992	-
US Dept of Agriculture	Direct	10.203	N21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	160,963	-
US Dept of Agriculture	Direct	10.207	N21AHDRXXXXG021-ANIMAL HEALTH	US DEPT OF AGRICULTURE	(3,609)	-
US Dept of Agriculture	Direct	10.207	N21AHDRXXXXG021-ANIMAL HEALTH	US DEPT OF AGRICULTURE	3,895	-
US Dept of Agriculture	Direct	10.207	N21AHDRXXXXG021-ANIMAL HEALTH	US DEPT OF AGRICULTURE	18,366	-
US Dept of Agriculture	Direct	10.219	2018-3352-28736	NATIONAL INST OF FOOD AND AGRICULTURE	120,805	53,406
US Dept of Agriculture	Direct	10.250	59-6000-6-0067	ECONOMIC RESEARCH SERVICE	21,343	-
US Dept of Agriculture	Direct	10.303	2017-51150-27128	NATIONAL INST OF FOOD AND AGRICULTURE	4,271	5,235
US Dept of Agriculture	Direct	10.303	2018-51106-28776	NATIONAL INST OF FOOD AND AGRICULTURE	184,189	11,203
US Dept of Agriculture	Direct	10.303	2018-51106-28779	NATIONAL INST OF FOOD AND AGRICULTURE	142,637	-
US Dept of Agriculture	Direct	10.303	2018-51150-28698	NATIONAL INST OF FOOD AND AGRICULTURE	74,049	47,684
US Dept of Agriculture	Direct	10.303	2019-51150-29984	NATIONAL INST OF FOOD AND AGRICULTURE	93,517	68,854
US Dept of Agriculture	Direct	10.304	2016-37620-25765	NATIONAL INST OF FOOD AND AGRICULTURE	719,038	495,297
US Dept of Agriculture	Direct	10.307	2016-51300-25732	NATIONAL INST OF FOOD AND AGRICULTURE	(1,213)	-
US Dept of Agriculture	Direct	10.307	2016-51300-25732	NATIONAL INST OF FOOD AND AGRICULTURE	201,364	132,479
US Dept of Agriculture	Direct	10.309	2015-51181-24285	NATIONAL INST OF FOOD AND AGRICULTURE	(1,344)	-
US Dept of Agriculture	Direct	10.309	2015-51181-24285	NATIONAL INST OF FOOD AND AGRICULTURE	759,085	663,221
US Dept of Agriculture	Direct	10.309	2016-51181-25411	NATIONAL INST OF FOOD AND AGRICULTURE	128,726	72,270
US Dept of Agriculture	Direct	10.309	2017-51181-26828	NATIONAL INST OF FOOD AND AGRICULTURE	4,442	-
US Dept of Agriculture	Direct	10.309	2017-51181-26828	NATIONAL INST OF FOOD AND AGRICULTURE	59,472	-
US Dept of Agriculture	Direct	10.309	2017-51181-26828	NATIONAL INST OF FOOD AND AGRICULTURE	618,349	361,384
US Dept of Agriculture	Direct	10.309	2019-51181-30017	NATIONAL INST OF FOOD AND AGRICULTURE	92,018	-
US Dept of Agriculture	Direct	10.309	2019-51181-30017	NATIONAL INST OF FOOD AND AGRICULTURE	334,726	154,029
US Dept of Agriculture	Direct	10.309	2020-51181-32139	NATIONAL INST OF FOOD AND AGRICULTURE	16,793	-
US Dept of Agriculture	Direct	10.309	2020-51181-32139	NATIONAL INST OF FOOD AND AGRICULTURE	344,588	221,170
US Dept of Agriculture	Direct	10.309	2020-51181-32155	NATIONAL INST OF FOOD AND AGRICULTURE	204,773	66,073
US Dept of Agriculture	Direct	10.309	2020-51181-32158	NATIONAL INST OF FOOD AND AGRICULTURE	287,697	174,659
US Dept of Agriculture	Direct	10.310	2011-68004-30340	NATIONAL INST OF FOOD AND AGRICULTURE	1,065	-
US Dept of Agriculture	Direct	10.310	2014-67015-21632	US DEPT OF AGRICULTURE	(3)	-
US Dept of Agriculture	Direct	10.310	2014-68004-21881	NATIONAL INST OF FOOD AND AGRICULTURE	44,560	-
US Dept of Agriculture	Direct	10.310	2014-68004-21972	NATIONAL INST OF FOOD AND AGRICULTURE	(11,558)	-
US Dept of Agriculture	Direct	10.310	2014-68006-21870	NATIONAL INST OF FOOD AND AGRICULTURE	(459)	-
US Dept of Agriculture	Direct	10.310	2014-68006-21870	NATIONAL INST OF FOOD AND AGRICULTURE	12	-
US Dept of Agriculture	Direct	10.310	2014-68006-21870	NATIONAL INST OF FOOD AND AGRICULTURE	52	-
US Dept of Agriculture	Direct	10.310	2014-68006-21870	NATIONAL INST OF FOOD AND AGRICULTURE	53	-
US Dept of Agriculture	Direct	10.310	2014-68006-21870	NATIONAL INST OF FOOD AND AGRICULTURE	7,220	-
US Dept of Agriculture	Direct	10.310	2015-67019-23007	NATIONAL INST OF FOOD AND AGRICULTURE	15,890	15,890
US Dept of Agriculture	Direct	10.310	2015-68001-23239	NATIONAL INST OF FOOD AND AGRICULTURE	779,902	542,430
US Dept of Agriculture	Direct	10.310	2015-68003-23415	NATIONAL INST OF FOOD AND AGRICULTURE	1,094,205	910,774
US Dept of Agriculture	Direct	10.310	2015-68007-23133	NATIONAL INST OF FOOD AND AGRICULTURE	310,410	144,537
US Dept of Agriculture	Direct	10.310	2016-67011-25205	US DEPT OF AGRICULTURE	7	-
US Dept of Agriculture	Direct	10.310	2016-67015-24891	US DEPT OF AGRICULTURE	(29)	-
US Dept of Agriculture	Direct	10.310	2016-67015-28200	NATIONAL INST OF FOOD AND AGRICULTURE	60,210	22,706
US Dept of Agriculture	Direct	10.310	2016-68004-24931	NATIONAL INST OF FOOD AND AGRICULTURE	598,088	416,025
US Dept of Agriculture	Direct	10.310	2016-68006-24852	NATIONAL INST OF FOOD AND AGRICULTURE	57,300	-
US Dept of Agriculture	Direct	10.310	2017-67007-25947	NATIONAL INST OF FOOD AND AGRICULTURE	20,282	-
US Dept of Agriculture	Direct	10.310	2017-67007-26176	NATIONAL INST OF FOOD AND AGRICULTURE	236,508	131,971
US Dept of Agriculture	Direct	10.310	2017-67013-26257	NATIONAL INST OF FOOD AND AGRICULTURE	63,721	-
US Dept of Agriculture	Direct	10.310	2017-67015-26084	NATIONAL INST OF FOOD AND AGRICULTURE	193,062	-
US Dept of Agriculture	Direct	10.310	2017-67015-26673	NATIONAL INST OF FOOD AND AGRICULTURE	(7,838)	-
US Dept of Agriculture	Direct	10.310	2017-67015-26676	NATIONAL INST OF FOOD AND AGRICULTURE	40,420	-
US Dept of Agriculture	Direct	10.310	2017-67015-26806	NATIONAL INST OF FOOD AND AGRICULTURE	89,454	-
US Dept of Agriculture	Direct	10.310	2017-67017-26168	NATIONAL INST OF FOOD AND AGRICULTURE	24,598	-

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of Agriculture	Direct	10.310	2017-67017-26528	NATIONAL INST OF FOOD AND AGRICULTURE	\$ 98,163	\$ -
US Dept of Agriculture	Direct	10.310	2017-67023-26271	NATIONAL INST OF FOOD AND AGRICULTURE	116,676	-
US Dept of Agriculture	Direct	10.310	2017-67023-26395	NATIONAL INST OF FOOD AND AGRICULTURE	108,309	14,469
US Dept of Agriculture	Direct	10.310	2017-68004-26323	NATIONAL INST OF FOOD AND AGRICULTURE	28,055	4,141
US Dept of Agriculture	Direct	10.310	2018-67003-27406	NATIONAL INST OF FOOD AND AGRICULTURE	591,990	113,079
US Dept of Agriculture	Direct	10.310	2018-67013-27404	NATIONAL INST OF FOOD AND AGRICULTURE	145,374	-
US Dept of Agriculture	Direct	10.310	2018-67013-27424	NATIONAL INST OF FOOD AND AGRICULTURE	(18,063)	-
US Dept of Agriculture	Direct	10.310	2018-67013-27457	NATIONAL INST OF FOOD AND AGRICULTURE	115,695	-
US Dept of Agriculture	Direct	10.310	2018-67013-27592	NATIONAL INST OF FOOD AND AGRICULTURE	65,770	-
US Dept of Agriculture	Direct	10.310	2018-67013-28065	NATIONAL INST OF FOOD AND AGRICULTURE	111,910	-
US Dept of Agriculture	Direct	10.310	20186701528242	NATIONAL INST OF FOOD AND AGRICULTURE	115,112	-
US Dept of Agriculture	Direct	10.310	2018-67015-28288	NATIONAL INST OF FOOD AND AGRICULTURE	120,766	-
US Dept of Agriculture	Direct	10.310	2018-67015-28302	NATIONAL INST OF FOOD AND AGRICULTURE	20,534	-
US Dept of Agriculture	Direct	10.310	2018-67017-27876	NATIONAL INST OF FOOD AND AGRICULTURE	102,049	-
US Dept of Agriculture	Direct	10.310	2018-67017-28149	NATIONAL INST OF FOOD AND AGRICULTURE	(21)	-
US Dept of Agriculture	Direct	10.310	2018-67017-28359	NATIONAL INST OF FOOD AND AGRICULTURE	101,977	-
US Dept of Agriculture	Direct	10.310	2018-67021-27967	NATIONAL INST OF FOOD AND AGRICULTURE	2,478	-
US Dept of Agriculture	Direct	10.310	2018-67021-27967	NATIONAL INST OF FOOD AND AGRICULTURE	156,745	-
US Dept of Agriculture	Direct	10.310	2018-68003-28151	NATIONAL INST OF FOOD AND AGRICULTURE	164,092	108,661
US Dept of Agriculture	Direct	10.310	2018-68008-27887	NATIONAL INST OF FOOD AND AGRICULTURE	16,852	11,726
US Dept of Agriculture	Direct	10.310	2019-67012-29524	NATIONAL INST OF FOOD AND AGRICULTURE	55,009	-
US Dept of Agriculture	Direct	10.310	2019-67012-29536	NATIONAL INST OF FOOD AND AGRICULTURE	(1,179)	-
US Dept of Agriculture	Direct	10.310	2019-67013-29015	NATIONAL INST OF FOOD AND AGRICULTURE	98,213	33,311
US Dept of Agriculture	Direct	10.310	2019-67013-29203	NATIONAL INST OF FOOD AND AGRICULTURE	18,020	-
US Dept of Agriculture	Direct	10.310	2019-67013-29203	NATIONAL INST OF FOOD AND AGRICULTURE	24,818	-
US Dept of Agriculture	Direct	10.310	2019-67013-29203	NATIONAL INST OF FOOD AND AGRICULTURE	109,500	-
US Dept of Agriculture	Direct	10.310	2019-67015-29443	NATIONAL INST OF FOOD AND AGRICULTURE	128,058	-
US Dept of Agriculture	Direct	10.310	2019-67015-29483	NATIONAL INST OF FOOD AND AGRICULTURE	171,041	-
US Dept of Agriculture	Direct	10.310	2019-67017-29112	NATIONAL INST OF FOOD AND AGRICULTURE	36,579	-
US Dept of Agriculture	Direct	10.310	2019-67019-29305	NATIONAL INST OF FOOD AND AGRICULTURE	139,188	18,320
US Dept of Agriculture	Direct	10.310	2019-67019-29361	NATIONAL INST OF FOOD AND AGRICULTURE	262,285	-
US Dept of Agriculture	Direct	10.310	2019-68010-29281	NATIONAL INST OF FOOD AND AGRICULTURE	49,272	-
US Dept of Agriculture	Direct	10.310	2020-67013-30870	NATIONAL INST OF FOOD AND AGRICULTURE	39,053	-
US Dept of Agriculture	Direct	10.310	2020-67013-31185	NATIONAL INST OF FOOD AND AGRICULTURE	167,430	78,528
US Dept of Agriculture	Direct	10.310	2020-67013-31919	NATIONAL INST OF FOOD AND AGRICULTURE	20,307	-
US Dept of Agriculture	Direct	10.310	2020-67014-30902	NATIONAL INST OF FOOD AND AGRICULTURE	144,150	46,800
US Dept of Agriculture	Direct	10.310	2020-67015-30827	NATIONAL INST OF FOOD AND AGRICULTURE	75,878	24,773
US Dept of Agriculture	Direct	10.310	2020-67015-30883	NATIONAL INST OF FOOD AND AGRICULTURE	(99)	-
US Dept of Agriculture	Direct	10.310	2020-67015-31267	NATIONAL INST OF FOOD AND AGRICULTURE	192,377	-
US Dept of Agriculture	Direct	10.310	2020-67015-31541	NATIONAL INST OF FOOD AND AGRICULTURE	22,849	-
US Dept of Agriculture	Direct	10.310	2020-67015-31562	NATIONAL INST OF FOOD AND AGRICULTURE	64,000	551
US Dept of Agriculture	Direct	10.310	2020-67017-30788	NATIONAL INST OF FOOD AND AGRICULTURE	141,240	26,697
US Dept of Agriculture	Direct	10.310	2020-67017-30838	NATIONAL INST OF FOOD AND AGRICULTURE	34,158	-
US Dept of Agriculture	Direct	10.310	2020-67019-31147	NATIONAL INST OF FOOD AND AGRICULTURE	159,343	-
US Dept of Agriculture	Direct	10.310	2020-67023-30958	NATIONAL INST OF FOOD AND AGRICULTURE	10,625	-
US Dept of Agriculture	Direct	10.310	2020-67023-31365	NATIONAL INST OF FOOD AND AGRICULTURE	706	-
US Dept of Agriculture	Direct	10.310	2020-67023-33260	NATIONAL INST OF FOOD AND AGRICULTURE	28,331	-
US Dept of Agriculture	Direct	10.310	2020-68012-31822	NATIONAL INST OF FOOD AND AGRICULTURE	445,482	115,843
US Dept of Agriculture	Direct	10.310	2021-67013-33620	NATIONAL INST OF FOOD AND AGRICULTURE	25,121	-
US Dept of Agriculture	Direct	10.310	2021-67013-33756	NATIONAL INST OF FOOD AND AGRICULTURE	32,460	-
US Dept of Agriculture	Direct	10.310	2021-67013-33946	NATIONAL INST OF FOOD AND AGRICULTURE	1,542	-
US Dept of Agriculture	Direct	10.310	2021-67015-33383	NATIONAL INST OF FOOD AND AGRICULTURE	101,086	-
US Dept of Agriculture	Direct	10.310	2021-67015-33386	NATIONAL INST OF FOOD AND AGRICULTURE	116,293	-
US Dept of Agriculture	Direct	10.310	2021-67015-33411	NATIONAL INST OF FOOD AND AGRICULTURE	16,112	-
US Dept of Agriculture	Direct	10.310	2021-67015-33413	NATIONAL INST OF FOOD AND AGRICULTURE	83,441	-
US Dept of Agriculture	Direct	10.310	2021-67021-33998	NATIONAL INST OF FOOD AND AGRICULTURE	8,848	-
US Dept of Agriculture	Direct	10.310	2021-67021-34149	NATIONAL INST OF FOOD AND AGRICULTURE	20,728	-
US Dept of Agriculture	Direct	10.310	2021-67021-34150	NATIONAL INST OF FOOD AND AGRICULTURE	319	-
US Dept of Agriculture	Direct	10.310	2021-68008-34119	NATIONAL INST OF FOOD AND AGRICULTURE	9,601	-
US Dept of Agriculture	Direct	10.310	2021-68008-34196	NATIONAL INST OF FOOD AND AGRICULTURE	6,226	-
US Dept of Agriculture	Direct	10.310	2021-68014-34140	NATIONAL INST OF FOOD AND AGRICULTURE	4,984	-
US Dept of Agriculture	Direct	10.310	2019-67015-29323	NATIONAL INST OF FOOD AND AGRICULTURE	160,010	-
US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD AND AGRICULTURE	16,248	-
US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD AND AGRICULTURE	21,992	-
US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD AND AGRICULTURE	25,949	-
US Dept of Agriculture	Direct	10.329	2018-7006-28917	NATIONAL INST OF FOOD AND AGRICULTURE	48,861	-
US Dept of Agriculture	Direct	10.329	2020-70006-33015	NATIONAL INST OF FOOD AND AGRICULTURE	25,644	-
US Dept of Agriculture	Direct	10.330	2018-70005-28738	NATIONAL INST OF FOOD AND AGRICULTURE	10,784	100
US Dept of Agriculture	Direct	10.519	2020-70410-32906	NATIONAL INST OF FOOD AND AGRICULTURE	327,509	-
US Dept of Agriculture	Direct	10.613	FE-CR-16-005	FOREIGN AGRICULTURAL SERVICE	(82)	-
US Dept of Agriculture	Direct	10.652	16-JV-11242306-101	USDA FOREST SERVICE	12,272	-
US Dept of Agriculture	Direct	10.674	18-DG-11420004-220	USDA FOREST SERVICE	56,459	-
US Dept of Agriculture	Direct	10.678	15-CS-11083601-002	USDA FOREST SERVICE	1,101	-
US Dept of Agriculture	Direct	10.680	16-CA-11420004-072	USDA FOREST SERVICE	25,128	-
US Dept of Agriculture	Direct	10.680	17-CA-11420004-298	USDA FOREST SERVICE	5,577	-
US Dept of Agriculture	Direct	10.680	17-CA-11420004-315	USDA FOREST SERVICE	274,582	-
US Dept of Agriculture	Direct	10.680	18-CA-11420004-072	USDA FOREST SERVICE	29,139	-
US Dept of Agriculture	Direct	10.680	19-DG-11420000-296	USDA FOREST SERVICE	11,146	4,526
US Dept of Agriculture	Direct	10.680	20-CA-11094200-221	USDA FOREST SERVICE	7,883	-
US Dept of Agriculture	Direct	10.684	21-CA-11132762-123	USDA FOREST SERVICE	8,925	-
US Dept of Agriculture	Direct	10.699	16-JV-11242305-055	USDA FOREST SERVICE	71,122	-
US Dept of Agriculture	Direct	10.699	17-CS-11090400-057	USDA FOREST SERVICE	686	-
US Dept of Agriculture	Direct	10.699	17-CS-11090400-057	USDA FOREST SERVICE	8,062	-
US Dept of Agriculture	Direct	10.699	17-CS-11090400-057	USDA FOREST SERVICE	76,873	-
US Dept of Agriculture	Direct	10.699	17-JV-11242306-042	USDA FOREST SERVICE	47,301	-
US Dept of Agriculture	Direct	10.699	18-CR-11242303-074	USDA FOREST SERVICE	21,499	-
US Dept of Agriculture	Direct	10.699	18-PA-11091000-025	USDA FOREST SERVICE	21,993	-
US Dept of Agriculture	Direct	10.707	16-CR-11242303-136	USDA FOREST SERVICE	79	-
US Dept of Agriculture	Direct	10.707	19-CR-11242303-037	USDA FOREST SERVICE	19,266	-
US Dept of Agriculture	Direct	10.707	19-JV-11242305-106	USDA FOREST SERVICE	12,835	-
US Dept of Agriculture	Direct	10.707	20-CR-11242303-064	USDA FOREST SERVICE	3,411	-
US Dept of Agriculture	Direct	10.707	20-JV-11242303-050	USDA FOREST SERVICE	2,236	-
US Dept of Agriculture	Direct	10.707	20-JV-11242305-078	USDA FOREST SERVICE	8,338	-
US Dept of Agriculture	Direct	10.707	20-JV-11242306-070	USDA FOREST SERVICE	157	-
US Dept of Agriculture	Direct	10.707	20-JV-11242307-099	USDA FOREST SERVICE	10,496	-
US Dept of Agriculture	Direct	10.902	68-SD21-18-009	NATURAL RESOURCES CONSERVATION SERVICE	7,053	-
US Dept of Agriculture	Direct	10.902	NR193A750025C014	USDA-NATURAL RESOURCES CONSERVATION SERVICE	12,967	-
US Dept of Agriculture	Direct	10.912	NR185D21XXXXG001	USDA-NATURAL RESOURCES CONSERVATION SERVICE	13,686	-
US Dept of Agriculture	Direct	10.912	NR213A750013G015	USDA-NATURAL RESOURCES CONSERVATION SERVICE	9,771	-
US Dept of Agriculture	Direct	10.960	FX21TA-10960R001	FOREIGN AGRICULTURAL SERVICE	113,563	18,380

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of Agriculture	Direct	10.961	FX19SR-10961R002	FOREIGN AGRICULTURAL SERVICE	\$ 11,500	\$ -
	Direct Total				26,835,348	6,037,908
US Dept of Agriculture	Pass-through	10.RD	454727	PROJECT APIS M	14,538	8,500
US Dept of Agriculture	Pass-through	10.RD	19-03-MSU	CHRISTMAS TREE PROMOTION BOARD	18,917	-
US Dept of Agriculture	Pass-through	10.RD	20-19-03-MSU	CHRISTMAS TREE PROMOTION BOARD	6,691	-
US Dept of Agriculture	Pass-through	10.RD	2020-06-12	AMER LAMB BOARD	17,574	-
US Dept of Agriculture	Pass-through	10.RD	Contract #20-60	POTATOES USA	(146)	-
US Dept of Agriculture	Pass-through	10.RD	Contract #20-60	POTATOES USA	1,724	-
US Dept of Agriculture	Pass-through	10.RD	S-003979-MSU	APPLIED RESEARCH ASSOCIATES INC	25,494	-
US Dept of Agriculture	Pass-through	10.001	0254-ARS17-MSU	RUTGERS UNIV	3,060	-
US Dept of Agriculture	Pass-through	10.001	0254-ARS17-MSU	RUTGERS UNIV	91,153	-
US Dept of Agriculture	Pass-through	10.001	2021-0200-04	NORTH CAROLINA STATE UNIV	11,776	-
US Dept of Agriculture	Pass-through	10.001	25-6235-0275-003	UNIVERSITY OF NEBRASKA - LINCOLN	1,438	-
US Dept of Agriculture	Pass-through	10.001	25-6235-0354-002	UNIVERSITY OF NEBRASKA - LINCOLN	244	-
US Dept of Agriculture	Pass-through	10.001	59-6070-1-002	AGRICULTURAL RESEARCH SERVICE	11,107	-
US Dept of Agriculture	Pass-through	10.025	GG 200000001706	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	48,239	-
US Dept of Agriculture	Pass-through	10.025	GG 200000002298	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	32,347	-
US Dept of Agriculture	Pass-through	10.025	GG 200000002299	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	19,899	-
US Dept of Agriculture	Pass-through	10.025	GG 210000001483	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	6,549	-
US Dept of Agriculture	Pass-through	10.025	GG 210000001941	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	1,883	-
US Dept of Agriculture	Pass-through	10.025	GG 210000001978	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	1,436	-
US Dept of Agriculture	Pass-through	10.028	FISH212020-3	MICHIGAN DEPT OF NATURAL RESOURCES	31,960	-
US Dept of Agriculture	Pass-through	10.170	2000000316	MIDWEST NUT PRODUCERS COUNCIL	46,961	-
US Dept of Agriculture	Pass-through	10.170	210000000484	MICHIGAN POTATO INDUSTRY COMMISSION	4,671	-
US Dept of Agriculture	Pass-through	10.170	00416462	MICHIGAN POTATO INDUSTRY COMMISSION	64,502	-
US Dept of Agriculture	Pass-through	10.170	17-05	WISCONSIN DEPT OF AGRICULTURE TRADE AND CONSUMER PROTECTION	14,585	-
US Dept of Agriculture	Pass-through	10.170	18-0001-063-SC	AGRICULTURAL RESEARCH SERVICE	62,888	-
US Dept of Agriculture	Pass-through	10.170	18-05	GINSENG BOARD OF WISCONSIN	(11,510)	-
US Dept of Agriculture	Pass-through	10.170	20000000256	MICHIGAN BLUEBERRY COMMISSION	65,985	-
US Dept of Agriculture	Pass-through	10.170	20000000257	MICHIGAN CARROT COMMITTEE	43,289	-
US Dept of Agriculture	Pass-through	10.170	20000000285	MICHIGAN ONION COMMITTEE	71,923	-
US Dept of Agriculture	Pass-through	10.170	20000000307	MICHIGAN TREE FRUIT COMMISSION	71,630	-
US Dept of Agriculture	Pass-through	10.170	2019-10-01	MICHIGAN APPLE COMMITTEE	25,069	-
US Dept of Agriculture	Pass-through	10.170	2019-10-01	MICHIGAN ASPARAGUS ADVISORY BOARD	78,317	-
US Dept of Agriculture	Pass-through	10.170	2019CPS10	CENTER FOR PRODUCE SAFETY	165,180	93,887
US Dept of Agriculture	Pass-through	10.170	2020-10-01	CELERY RESEARCH INC	230	-
US Dept of Agriculture	Pass-through	10.170	2020-10-01	CELERY RESEARCH INC	13,016	-
US Dept of Agriculture	Pass-through	10.170	2020-10-01	MICHIGAN GREENHOUSE GROWERS	697	-
US Dept of Agriculture	Pass-through	10.170	2020-10-01	MICHIGAN GREENHOUSE GROWERS	7,190	-
US Dept of Agriculture	Pass-through	10.170	2020-10-01	MICHIGAN STATE HORTICULTURAL SOCIETY	3,306	-
US Dept of Agriculture	Pass-through	10.170	2020-10-01	MICHIGAN VEGETABLE COUNCIL	47,367	-
US Dept of Agriculture	Pass-through	10.170	2020-10-01	NATIONAL GRAPE COOPERATIVE ASSOC	17,907	-
US Dept of Agriculture	Pass-through	10.170	2020-11-01	MICHIGAN BLUEBERRY COMMISSION	266	-
US Dept of Agriculture	Pass-through	10.170	2020-12-01	GINSENG BOARD OF WISCONSIN	11,243	-
US Dept of Agriculture	Pass-through	10.170	conifer seedlings	MICHIGAN CHRISTMAS TREE ASSOC	241	-
US Dept of Agriculture	Pass-through	10.170	CRI-190000000312	CELERY RESEARCH INC	1,883	-
US Dept of Agriculture	Pass-through	10.170	GG 190000000323	MICHIGAN VEGETABLE COUNCIL	20,572	-
US Dept of Agriculture	Pass-through	10.170	IP00353161	MICHIGAN CARROT COMMITTEE	1,445	-
US Dept of Agriculture	Pass-through	10.170	IP00353839	MICHIGAN ASPARAGUS RESEARCH COMMITTEE	372	-
US Dept of Agriculture	Pass-through	10.170	IP00354026	MICHIGAN BLUEBERRY COMMISSION	29,607	-
US Dept of Agriculture	Pass-through	10.170	MAAB GG1900000000306	MICHIGAN ASPARAGUS ADVISORY BOARD	5,383	-
US Dept of Agriculture	Pass-through	10.170	MCC GG1900000000309	MICHIGAN CARROT COMMITTEE	(968)	-
US Dept of Agriculture	Pass-through	10.170	MSHS GG1900000000321	MICHIGAN STATE HORTICULTURAL SOCIETY	22,577	-
US Dept of Agriculture	Pass-through	10.170	MTFC 791AgDSC1814	MICHIGAN TREE FRUIT COMMISSION	111	-
US Dept of Agriculture	Pass-through	10.170	MTFC GG1900000000322	MICHIGAN TREE FRUIT COMMISSION	60,633	-
US Dept of Agriculture	Pass-through	10.170	MVC GG1900000000324	MICHIGAN VEGETABLE COUNCIL	33,884	-
US Dept of Agriculture	Pass-through	10.200	0162538	IOWA STATE UNIV	54,020	-
US Dept of Agriculture	Pass-through	10.200	016253J	NORTH CENTRAL REGIONAL AQUACULTURE CENTER	22,500	-
US Dept of Agriculture	Pass-through	10.200	019585K	IOWA STATE UNIV	1,434	-
US Dept of Agriculture	Pass-through	10.200	A20-1753-5001	UNIVERSITY OF CALIFORNIA DAVIS	4,302	-
US Dept of Agriculture	Pass-through	10.212	404197	GINER INC	8,113	-
US Dept of Agriculture	Pass-through	10.212	Phase I SBIR	METAMATERIA TECHNOLOGIES LLC	(33,040)	-
US Dept of Agriculture	Pass-through	10.215	H005722943	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	4,632	-
US Dept of Agriculture	Pass-through	10.215	H005722952	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	6,287	-
US Dept of Agriculture	Pass-through	10.215	H006607414	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	(54)	-
US Dept of Agriculture	Pass-through	10.215	H006607437	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	31,084	-
US Dept of Agriculture	Pass-through	10.215	H007179306	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	75,556	-
US Dept of Agriculture	Pass-through	10.215	H007179349	UNIVERSITY OF MINNESOTA	12,615	-
US Dept of Agriculture	Pass-through	10.215	H007179357	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	6,231	-
US Dept of Agriculture	Pass-through	10.215	H007179359	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	9,515	-
US Dept of Agriculture	Pass-through	10.215	H00781390813	UNIVERSITY OF MINNESOTA	49,947	-
US Dept of Agriculture	Pass-through	10.215	H008334017	UNIVERSITY OF MINNESOTA	17	-
US Dept of Agriculture	Pass-through	10.215	H008917103	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	26,840	-
US Dept of Agriculture	Pass-through	10.215	H008917110	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	18,291	-
US Dept of Agriculture	Pass-through	10.227	2020-001	BAY MILLS COMMUNITY COLLEGE	51,125	-
US Dept of Agriculture	Pass-through	10.227	MSU2018	KEWEENAW BAY OJIBWA COMMUNITY COLLEGE	30,905	-
US Dept of Agriculture	Pass-through	10.303	CAES-2018-22866-2	STATE OF CONNECTICUT	6,523	-
US Dept of Agriculture	Pass-through	10.303	SUB00002182	UNIVERSITY OF GEORGIA	22,607	-
US Dept of Agriculture	Pass-through	10.303	SUBK00011432	UNIVERSITY OF MICHIGAN	62,659	-
US Dept of Agriculture	Pass-through	10.304	F0008724402007	PURDUE UNIV	9,288	6,007
US Dept of Agriculture	Pass-through	10.307	1196	UNIVERSITY OF MAINE	106,799	-
US Dept of Agriculture	Pass-through	10.307	59-5055-9-001	AGRICULTURAL RESEARCH SERVICE	86,886	-
US Dept of Agriculture	Pass-through	10.307	SUBK00001844	UNIVERSITY OF GEORGIA	76,022	-
US Dept of Agriculture	Pass-through	10.307	UMS-1196	UNIVERSITY OF MAINE	9,230	-
US Dept of Agriculture	Pass-through	10.309	0000000363	UNIVERSITY OF WISCONSIN MADISON	89,937	-
US Dept of Agriculture	Pass-through	10.309	0000000363	UNIVERSITY OF WISCONSIN MADISON	159,461	-
US Dept of Agriculture	Pass-through	10.309	0799-PP2018	RUTGERS UNIV	135,768	-
US Dept of Agriculture	Pass-through	10.309	133336-G003922	WASHINGTON STATE UNIV	265,526	-
US Dept of Agriculture	Pass-through	10.309	2017-0398-06	NORTH CAROLINA STATE UNIV	75,309	-
US Dept of Agriculture	Pass-through	10.309	2020-0042-05	NORTH CAROLINA STATE UNIV	180,672	-
US Dept of Agriculture	Pass-through	10.309	215-0228-11	NORTH CAROLINA STATE UNIV	(21)	-
US Dept of Agriculture	Pass-through	10.309	2232-207-2014173	CLEMSON UNIV	72,567	-
US Dept of Agriculture	Pass-through	10.309	79611-10750	CORNELL UNIV	852	-
US Dept of Agriculture	Pass-through	10.309	8000076815-AG	PURDUE UNIV	88,726	-
US Dept of Agriculture	Pass-through	10.309	92884-20618	CORNELL UNIV	27,124	-
US Dept of Agriculture	Pass-through	10.309	H007082502	UNIVERSITY OF MINNESOTA	106,618	-
US Dept of Agriculture	Pass-through	10.309	SUB00002401	UNIVERSITY OF GEORGIA	58,221	-
US Dept of Agriculture	Pass-through	10.310	07-MI702000	TEXAS A&M UNIV	55,236	-
US Dept of Agriculture	Pass-through	10.310	101477-18141	UNIVERSITY OF ILLINOIS	107,929	-

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of Agriculture	Pass-through	10.310	132484-G003899	WASHINGTON STATE UNIV	\$ 25,544	\$ -
US Dept of Agriculture	Pass-through	10.310	1556077	UNIVERSITY OF COLORADO BOULDER	91,594	-
US Dept of Agriculture	Pass-through	10.310	1556077	UNIVERSITY OF COLORADO BOULDER	115,965	-
US Dept of Agriculture	Pass-through	10.310	201603566-06	UNIVERSITY OF CALIFORNIA DAVIS	70,371	-
US Dept of Agriculture	Pass-through	10.310	3TC453	SOUTH DAKOTA STATE UNIV	63,532	-
US Dept of Agriculture	Pass-through	10.310	416-41-87B	IOWA STATE UNIV	144,921	-
US Dept of Agriculture	Pass-through	10.310	60066382	OHIO STATE UNIV	21,124	-
US Dept of Agriculture	Pass-through	10.310	818004	KANSAS STATE UNIV	21,139	-
US Dept of Agriculture	Pass-through	10.310	C00050735-1	UNIVERSITY OF MISSOURI	2,766	-
US Dept of Agriculture	Pass-through	10.310	F9002711902030	PURDUE UNIV	22,440	-
US Dept of Agriculture	Pass-through	10.310	FAR0033249	NORTH DAKOTA STATE UNIV	46,794	-
US Dept of Agriculture	Pass-through	10.310	G211-18-W7150	MONTANA STATE UNIV	56,186	-
US Dept of Agriculture	Pass-through	10.310	M1903129	TEXAS A&M UNIV	46,866	-
US Dept of Agriculture	Pass-through	10.310	M2101185	TEXAS A&M AGRILIFE RESEARCH	19,687	-
US Dept of Agriculture	Pass-through	10.310	SUB00001909	UNIVERSITY OF FLORIDA	18,166	-
US Dept of Agriculture	Pass-through	10.319	25-6324-0192-004	UNIVERSITY OF NEBRASKA - LINCOLN	3,942	-
US Dept of Agriculture	Pass-through	10.328	H00858801	UNIVERSITY OF MINNESOTA	27,194	-
US Dept of Agriculture	Pass-through	10.329	021835A	IOWA STATE UNIV	67,845	-
US Dept of Agriculture	Pass-through	10.329	128995_G003680	WASHINGTON STATE UNIV	7,817	-
US Dept of Agriculture	Pass-through	10.329	60078035 GR120330 SPC-1000004333	OHIO STATE UNIV	33	-
US Dept of Agriculture	Pass-through	10.329	850K146	UNIVERSITY OF WISCONSIN MADISON	31,676	-
US Dept of Agriculture	Pass-through	10.330	780K651	UNIVERSITY OF WISCONSIN MADISON	5,334	-
US Dept of Agriculture	Pass-through	10.330	A20-0098-S002	KANSAS STATE UNIV	76,621	-
US Dept of Agriculture	Pass-through	10.334	00424035	DAIRY GRAZING APPRENTICESHIP	5,746	-
US Dept of Agriculture	Pass-through	10.500	25-6324-0187-310	UNIVERSITY OF NEBRASKA - LINCOLN	9,313	-
US Dept of Agriculture	Pass-through	10.604	150204	US HIGHBUSH BLUEBERRY COUNCIL	186,939	-
US Dept of Agriculture	Pass-through	10.606	19-SQL-A-A-1255	LAND O LAKES INC	11,932	-
US Dept of Agriculture	Pass-through	10.606	S-MSL03	TECHNOSERVE	194,708	-
US Dept of Agriculture	Pass-through	10.652	080500.330397.01	MISSISSIPPI STATE UNIV	5,069	-
US Dept of Agriculture	Pass-through	10.680	FRD-OWS-1010	MICHIGAN DEPT OF NATURAL RESOURCES	408	-
US Dept of Agriculture	Pass-through	10.699	E17-87	US ENDOWMENT FOR FORESTRY AND COMMUNITIES INC	22,775	-
US Dept of Agriculture	Pass-through	10.707	19-JV-11242306-052	USDA FOREST SERVICE	69,737	-
US Dept of Agriculture	Pass-through	10.902	101917-18194	UNIVERSITY OF ILLINOIS	232,633	-
US Dept of Agriculture	Pass-through	10.902	C00071985-1	UNIVERSITY OF MISSOURI	14,648	-
US Dept of Agriculture	Pass-through	10.912	001	CANDIDUS INC	723	-
US Dept of Agriculture	Pass-through	10.932	060915-1	THE NATURE CONSERVANCY	84,670	-
US Dept of Agriculture	Pass-through	10.960	1260-LATAM-MSU	RUTGERS UNIV	-	(1)
Pass-through Total					5,336,851	108,394
US Dept of Agriculture Total					32,172,199	6,146,302
US Dept of Commerce	Direct	11.303	ED16CHI3030037	US ECONOMIC DEVELOPMENT ADMINISTRATION	(137)	-
US Dept of Commerce	Direct	11.303	ED16CHI3030037	US ECONOMIC DEVELOPMENT ADMINISTRATION	35,482	-
US Dept of Commerce	Direct	11.303	ED16CHI3030037	US ECONOMIC DEVELOPMENT ADMINISTRATION	103,995	-
US Dept of Commerce	Direct	11.420	NA20NOS4200141	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	41,281	-
US Dept of Commerce	Direct	11.431	NA17OAR4310132	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	25,274	-
US Dept of Commerce	Direct	11.609	60NANB18D210	NATIONAL INST OF STANDARDS AND TECHNOLOGY	31,912	-
US Dept of Commerce	Direct	11.609	60NANB19D154	NATIONAL INST OF STANDARDS AND TECHNOLOGY	(6,888)	-
US Dept of Commerce	Direct	11.609	60NANB20D188	NATIONAL INST OF STANDARDS AND TECHNOLOGY	38,058	-
US Dept of Commerce	Direct	11.609	70NANB15H280	NATIONAL INST OF STANDARDS AND TECHNOLOGY	(2,844)	-
US Dept of Commerce	Direct	11.609	70NANB20H031	NATIONAL INST OF STANDARDS AND TECHNOLOGY	100,192	-
Direct Total					366,325	-
US Dept of Commerce	Pass-through	11.RD	75D30121P10127	CENTERS FOR DISEASE CONTROL AND PREVENTION	106	-
US Dept of Commerce	Pass-through	11.417	3004924854	UNIVERSITY OF MICHIGAN	64,205	-
US Dept of Commerce	Pass-through	11.417	3004924855	UNIVERSITY OF MICHIGAN	3,059	-
US Dept of Commerce	Pass-through	11.417	3004924855	UNIVERSITY OF MICHIGAN	537,672	-
US Dept of Commerce	Pass-through	11.417	D007941103	UNIVERSITY OF MINNESOTA	18,563	-
US Dept of Commerce	Pass-through	11.417	D007941104	UNIVERSITY OF MINNESOTA DULUTH	46,354	-
US Dept of Commerce	Pass-through	11.417	SUBK00011461	UNIVERSITY OF MICHIGAN	16,617	-
US Dept of Commerce	Pass-through	11.417	SUBK00011683	UNIVERSITY OF MICHIGAN	129,141	-
US Dept of Commerce	Pass-through	11.417	SUBK00012436	UNIVERSITY OF MICHIGAN	68,123	-
US Dept of Commerce	Pass-through	11.417	SUBK00013215	UNIVERSITY OF MICHIGAN	12,926	-
US Dept of Commerce	Pass-through	11.417	SUBK00013473	UNIVERSITY OF MICHIGAN	60,615	-
US Dept of Commerce	Pass-through	11.419	100744-18074	UNIVERSITY OF ILLINOIS	30,354	-
US Dept of Commerce	Pass-through	11.419	21-Resiliency Strategy-005	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	6,160	-
US Dept of Commerce	Pass-through	11.419	MEC 19-Chab-001	MICHIGAN ENVIRONMENTAL COUNCIL	(2,460)	-
US Dept of Commerce	Pass-through	11.431	3003959776	UNIVERSITY OF MICHIGAN	143,223	7,626
US Dept of Commerce	Pass-through	11.431	SUBK00013010	UNIVERSITY OF MICHIGAN	3,339	-
US Dept of Commerce	Pass-through	11.432	SUBK00011320	UNIVERSITY OF MICHIGAN	(652)	-
US Dept of Commerce	Pass-through	11.432	SUBK00011375	UNIVERSITY OF MICHIGAN	91,998	-
Pass-through Total					1,229,343	7,626
US Dept of Commerce Total					1,595,668	7,626
US Dept of Defense	Direct	12.RD	2017-17020200004	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	(13,098)	(8,743)
US Dept of Defense	Direct	12.RD	2017-17020200004	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	7,497	7,497
US Dept of Defense	Direct	12.RD	2017-17020200004	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	1,424,643	347,256
US Dept of Defense	Direct	12.RD	FA9453-19-C-0066	AIR FORCE RESEARCH LABORATORY	116,155	-
US Dept of Defense	Direct	12.RD	HR00112090131	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	404,053	95,638
US Dept of Defense	Direct	12.RD	NA175619C3038	IRREGULAR WARFARE TECHNICAL SUPPORT	168,017	79,150
US Dept of Defense	Direct	12.005	W9126G-21-2-0016	US ARMY CORPS OF ENGINEERS	2,044	-
US Dept of Defense	Direct	12.300	00014-17-1-2678	OFFICE OF NAVAL RESEARCH	87,145	-
US Dept of Defense	Direct	12.300	00014-17-1-2713	OFFICE OF NAVAL RESEARCH	(184)	-
US Dept of Defense	Direct	12.300	FA8750-16-2-0284	AIR FORCE RESEARCH LABORATORY	(194)	-
US Dept of Defense	Direct	12.300	N00014-16-1-2457	OFFICE OF NAVAL RESEARCH	23,267	-
US Dept of Defense	Direct	12.300	N00014-16-1-2760	US DEPT OF THE NAVY	4,688	-
US Dept of Defense	Direct	12.300	N00014-17-1-2102	OFFICE OF NAVAL RESEARCH	134,323	-
US Dept of Defense	Direct	12.300	N00014-17-1-2886	OFFICE OF NAVAL RESEARCH	12,252	-
US Dept of Defense	Direct	12.300	N00014-18-1-2032	OFFICE OF NAVAL RESEARCH	188,401	166,974
US Dept of Defense	Direct	12.300	N00014-18-1-2273	OFFICE OF NAVAL RESEARCH	137,588	-
US Dept of Defense	Direct	12.300	N00014-18-1-2514	OFFICE OF NAVAL RESEARCH	89,980	-
US Dept of Defense	Direct	12.300	N00014-18-1-2597	OFFICE OF NAVAL RESEARCH	118,487	-
US Dept of Defense	Direct	12.300	N00014-19-1-2051	OFFICE OF NAVAL RESEARCH	171,862	-
US Dept of Defense	Direct	12.300	N00014-19-1-2535	OFFICE OF NAVAL RESEARCH	83,741	-
US Dept of Defense	Direct	12.300	N00014-20-1-2005	OFFICE OF NAVAL RESEARCH	392,454	162,832
US Dept of Defense	Direct	12.300	N00014-20-1-2111	OFFICE OF NAVAL RESEARCH	137,983	-
US Dept of Defense	Direct	12.300	N00014-20-1-2382	OFFICE OF NAVAL RESEARCH	157,497	-
US Dept of Defense	Direct	12.300	N00014-20-1-2389	OFFICE OF NAVAL RESEARCH	1,235	-
US Dept of Defense	Direct	12.300	N00014-20-1-2471	OFFICE OF NAVAL RESEARCH	112,239	-
US Dept of Defense	Direct	12.300	N00014-20-1-2562	OFFICE OF NAVAL RESEARCH	15,967	-
US Dept of Defense	Direct	12.300	N00014-20-1-2649	OFFICE OF NAVAL RESEARCH	125,978	-
US Dept of Defense	Direct	12.300	N00014-20-1-2681	OFFICE OF NAVAL RESEARCH	77,405	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of Defense	Direct	12.300	N00014-20-1-2739	OFFICE OF NAVAL RESEARCH	\$ 181,246	\$ -
US Dept of Defense	Direct	12.300	N00014-21-1-2273	OFFICE OF NAVAL RESEARCH	12,758	-
US Dept of Defense	Direct	12.300	N0014-19-1-2476	OFFICE OF NAVAL RESEARCH	31,556	-
US Dept of Defense	Direct	12.300	W9126G-19-2-0011	US ARMY CORPS OF ENGINEERS	144,998	-
US Dept of Defense	Direct	12.420	W81XWH-15-1-0018	US DEPT OF THE ARMY	14,509	-
US Dept of Defense	Direct	12.420	W81XWH-16-1-0631	US DEPT OF DEFENSE	5,177	-
US Dept of Defense	Direct	12.420	W81XWH-16-1-0732	US DEPT OF THE ARMY	12,516	-
US Dept of Defense	Direct	12.420	W81XWH-16-1-0735	US DEPT OF THE ARMY	175,216	-
US Dept of Defense	Direct	12.420	W81XWH-17-1-0270	US DEPT OF DEFENSE	267,150	-
US Dept of Defense	Direct	12.420	W81XWH-17-1-0282	US DEPT OF DEFENSE	81,869	9,025
US Dept of Defense	Direct	12.420	W81XWH-17-1-0536	US DEPT OF DEFENSE	225,820	57,034
US Dept of Defense	Direct	12.420	W81XWH1810169	US ARMY RESEARCH OFFICE	169,364	84,858
US Dept of Defense	Direct	12.420	W81XWH1910051	US DEPT OF THE ARMY	42,128	-
US Dept of Defense	Direct	12.420	W81XWH1910771	US DEPT OF DEFENSE	427,934	44,738
US Dept of Defense	Direct	12.420	W81XWH2010147	US DEPT OF DEFENSE	119,428	-
US Dept of Defense	Direct	12.420	W81XWH2010174	US DEPT OF THE ARMY	64,914	-
US Dept of Defense	Direct	12.420	W81XWH2110002	US DEPT OF DEFENSE	16,705	-
US Dept of Defense	Direct	12.431	RO-W911NF-17-1-0153	US ARMY RESEARCH OFFICE	141,693	-
US Dept of Defense	Direct	12.431	W911NF1810330	US ARMY RESEARCH OFFICE	149,750	-
US Dept of Defense	Direct	12.431	W911NF1910174	US ARMY RESEARCH OFFICE	140,922	-
US Dept of Defense	Direct	12.431	W911NF1910444	US ARMY RESEARCH OFFICE	94,054	-
US Dept of Defense	Direct	12.431	W911NF2010005	US ARMY RESEARCH OFFICE	(4,684)	-
US Dept of Defense	Direct	12.431	W911NF2010205	US ARMY RESEARCH INST FOR THE BEHAVIORAL AND SOCIAL SCIENCES	161,665	41,087
US Dept of Defense	Direct	12.431	W911NF210153	US ARMY RESEARCH OFFICE	17,877	-
US Dept of Defense	Direct	12.630	W911NF-14-1-0026	US ARMY RESEARCH INST FOR THE BEHAVIORAL AND SOCIAL SCIENCES	15,056	-
US Dept of Defense	Direct	12.630	W912HZ1920021	US ARMY CORPS OF ENGINEERS	85,538	-
US Dept of Defense	Direct	12.800	FA8650-18-2-6880	AIR FORCE RESEARCH LABORATORY	(29,987)	-
US Dept of Defense	Direct	12.800	FA8650-20-2-6239	AIR FORCE RESEARCH LABORATORY	59,122	-
US Dept of Defense	Direct	12.800	FA9550-17-1-0150	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	23,602	-
US Dept of Defense	Direct	12.800	FA9550-17-1-0394	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	338,570	-
US Dept of Defense	Direct	12.800	FA9550-17-1-0411	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	35,740	-
US Dept of Defense	Direct	12.800	FA9550-18-1-0061	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	130,780	-
US Dept of Defense	Direct	12.800	FA9550-18-1-0062	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	1,256,006	1,085,756
US Dept of Defense	Direct	12.800	FA9550-19-1-0281	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	107,882	-
US Dept of Defense	Direct	12.800	FA9550-20-1-0073	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	79,441	-
US Dept of Defense	Direct	12.800	FA9550-20-1-0175	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	66,195	-
US Dept of Defense	Direct	12.901	H98230-20-1-0006	NATIONAL SECURITY AGENCY	9,574	-
US Dept of Defense	Direct	12.901	H98230-20-1-0006	NATIONAL SECURITY AGENCY	18,153	-
US Dept of Defense	Direct	12.901	H98230-21-1-0025	NATIONAL SECURITY AGENCY	11,301	-
US Dept of Defense	Direct	12.901	H98230-21-1-0025	NATIONAL SECURITY AGENCY	15,243	-
US Dept of Defense	Direct	12.910	D16AP00117	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	7,993	-
US Dept of Defense	Direct	12.910	HR00112010015	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	28,403	-
US Dept of Defense	Direct	12.910	N66001-17-1-4045	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	133,837	-
US Dept of Defense	Direct	12.910	W31P4Q-20-1-0001	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	344,048	-
US Dept of Defense	Direct	12.910	W911NF2010018	US ARMY RESEARCH OFFICE	215,534	120,256
	Direct Total				9,828,021	2,293,158
US Dept of Defense	Pass-through	12.RD	00499916	GREAT LAKES CRYSTAL TECHNOLOGIES INC	42,382	-
US Dept of Defense	Pass-through	12.RD	011-44200	EATON CORP	63,530	-
US Dept of Defense	Pass-through	12.RD	19-032	POLARIS SENSOR TECHNOLOGIES INC	8,707	-
US Dept of Defense	Pass-through	12.RD	201652-140858	NATIONAL CENTER FOR MANUFACTURING SCIENCE	(10,802)	-
US Dept of Defense	Pass-through	12.RD	201845-140914	NATIONAL CENTER FOR MANUFACTURING SCIENCE	65,822	-
US Dept of Defense	Pass-through	12.RD	201851-140919	NATIONAL CENTER FOR MANUFACTURING SCIENCE	104,529	-
US Dept of Defense	Pass-through	12.RD	2019115-141031	NATIONAL CENTER FOR MANUFACTURING SCIENCE	167,122	-
US Dept of Defense	Pass-through	12.RD	202062-141037	NATIONAL CENTER FOR MANUFACTURING SCIENCE	170,769	-
US Dept of Defense	Pass-through	12.RD	313-0875	DUKE UNIV	10,879	-
US Dept of Defense	Pass-through	12.RD	378589	UNIVERSITY OF CONNECTICUT	7,955	-
US Dept of Defense	Pass-through	12.RD	4201874310	RAYTHEON CO	76,707	-
US Dept of Defense	Pass-through	12.RD	AT-LTA-20216-1	ANTRUST	124,858	-
US Dept of Defense	Pass-through	12.RD	AWA210112	AXALUME INC	13,362	-
US Dept of Defense	Pass-through	12.RD	DRC.1339_PO_00154.19	RIVERSIDE RESEARCH	43,918	-
US Dept of Defense	Pass-through	12.RD	DRC.1339_PO_00154.19	RIVERSIDE RESEARCH	8,874	-
US Dept of Defense	Pass-through	12.RD	FA8649-20-C-0015	THERMAL WAVE IMAGING	70,844	-
US Dept of Defense	Pass-through	12.RD	FA864920P0380	GREAT LAKES CRYSTAL TECHNOLOGIES INC	10,745	-
US Dept of Defense	Pass-through	12.RD	GREAT LAKES CRYSTAL TECH INC-MSU-00472862	GREAT LAKES CRYSTAL TECHNOLOGIES INC	32,146	-
US Dept of Defense	Pass-through	12.RD	KTI-W911GX-18C-0005	KYMA TECHNOLOGIES INC	95,083	23,721
US Dept of Defense	Pass-through	12.RD	LX09000004	KBR	102,172	-
US Dept of Defense	Pass-through	12.RD	M-715578	BATTELLE MEMORIAL INST	366,235	-
US Dept of Defense	Pass-through	12.RD	No. 2	LEAFLABS	28,946	-
US Dept of Defense	Pass-through	12.RD	P004957701	UNIVERSITY OF MINNESOTA	6,273	-
US Dept of Defense	Pass-through	12.RD	PO LX09000009	KBR	10,595	-
US Dept of Defense	Pass-through	12.RD	PO# 0011-44565	EATON CORP	23,846	-
US Dept of Defense	Pass-through	12.RD	S-200331-004190-MSU	APPLIED RESEARCH ASSOCIATES INC	235,451	-
US Dept of Defense	Pass-through	12.RD	S904541BAH	BOOZ ALLEN HAMILTON INC	323,387	-
US Dept of Defense	Pass-through	12.RD	SC-18-014	SOAR TECHNOLOGY INC	(9,576)	-
US Dept of Defense	Pass-through	12.RD	TECH-X W31P4Q-17-C-0037-MSU	TECH X CORP	239,046	-
US Dept of Defense	Pass-through	12.RD	UAF 20-0053	UNIVERSITY OF ALASKA	141,288	98,723
US Dept of Defense	Pass-through	12.116	7000295420	MASSACHUSETTS INST OF TECHNOLOGY	74	-
US Dept of Defense	Pass-through	12.225	201658-140851	NATIONAL CENTER FOR MANUFACTURING SCIENCE	2,180	-
US Dept of Defense	Pass-through	12.300	14-2-1203547-94802	UNIVERSITY OF TULSA	(27,123)	-
US Dept of Defense	Pass-through	12.300	32953-PM-RB-110891	UNIVERSITY OF MASSACHUSETTS DARTMOUTH	29,813	-
US Dept of Defense	Pass-through	12.300	P190000323	OFFICE OF NAVAL RESEARCH	1,320,846	-
US Dept of Defense	Pass-through	12.300	R19631	RICE UNIV	550	-
US Dept of Defense	Pass-through	12.300	TUL-HSC-557991-19/20	THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND	29,795	-
US Dept of Defense	Pass-through	12.420	0000990553	FRED HUTCHINSON CANCER RESEARCH CENTER	9,168	-
US Dept of Defense	Pass-through	12.420	121910	BRIGHAM AND WOMENS HOSPITAL	28,550	-
US Dept of Defense	Pass-through	12.420	4175	HENRY M JACKSON FOUNDATION FOR ADVANCEMENT OF MILITARY MED	22,443	-
US Dept of Defense	Pass-through	12.420	GENFD0001882756	BOSTON CHILDRENS HOSPITAL	15,838	-
US Dept of Defense	Pass-through	12.420	MSUW81XWH-18-1-0150	PENNSYLVANIA STATE UNIV	70,526	-
US Dept of Defense	Pass-through	12.420	SUB00002317	UNIVERSITY OF GEORGIA RESEARCH FOUNDATION INC	18,770	-
US Dept of Defense	Pass-through	12.420	SUBK00008213	UNIVERSITY OF MICHIGAN	23,091	-
US Dept of Defense	Pass-through	12.420	W81XWH-18-C-0157	BRAINSCOPE CO INC	5,509	-
US Dept of Defense	Pass-through	12.420	W81XWH-18-C-0157	BRAINSCOPE CO INC	5,783	-
US Dept of Defense	Pass-through	12.431	00000834	BROWN UNIV	123,256	-
US Dept of Defense	Pass-through	12.431	00001392	BROWN UNIV	97,748	-
US Dept of Defense	Pass-through	12.431	10034220-S1	UNIVERSITY OF UTAH	205,651	-
US Dept of Defense	Pass-through	12.431	93596-28219202	UNIVERSITY OF MARYLAND	14,747	-
US Dept of Defense	Pass-through	12.431	SBU0000257	PRINCETON UNIV	32,896	-
US Dept of Defense	Pass-through	12.800	271704-87D5	UNIVERSITY OF NEW MEXICO	25,235	-
US Dept of Defense	Pass-through	12.910	1015 G UA-497	UNIVERSITY OF CALIFORNIA LOS ANGELES	5,526	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of Defense	Pass-through	12.910	126.001	SIEMENS CORP	\$ 122,883	\$ -
US Dept of Defense	Pass-through	12.910	4201874310	RAYTHEON CO	(5,376)	-
	Pass-through Total				<u>4,753,472</u>	<u>122,444</u>
	US Dept of Defense Total				<u>14,581,493</u>	<u>2,415,602</u>
US Dept of Interior	Direct	15.RD	140G0119C0009	US GEOLOGICAL SURVEY	48,613	-
US Dept of Interior	Direct	15.608	F17AP00582	US FISH AND WILDLIFE SERVICE	12,407	-
US Dept of Interior	Direct	15.608	F18AC00360	US DEPT OF AGRICULTURE	189	-
US Dept of Interior	Direct	15.608	F19AP00663	US FISH AND WILDLIFE SERVICE	38,015	-
US Dept of Interior	Direct	15.608	F20AC12021-00	US FISH AND WILDLIFE SERVICE	40,991	-
US Dept of Interior	Direct	15.608	F20AP10847-00	US FISH AND WILDLIFE SERVICE	20,397	-
US Dept of Interior	Direct	15.608	FWS-F18APP00229	US FISH AND WILDLIFE SERVICE	70,161	26,383
US Dept of Interior	Direct	15.640	F20AP00147	US FISH AND WILDLIFE SERVICE	13,545	-
US Dept of Interior	Direct	15.652	F20AC11089-00	US FISH AND WILDLIFE SERVICE	89,203	-
US Dept of Interior	Direct	15.657	F18AP00536	US FISH AND WILDLIFE SERVICE	58,570	-
US Dept of Interior	Direct	15.657	F19AC00646	US FISH AND WILDLIFE SERVICE	114,345	-
US Dept of Interior	Direct	15.662	17AC00774	US FISH AND WILDLIFE SERVICE	49,332	-
US Dept of Interior	Direct	15.662	F18AC00566	US DEPT OF THE INTERIOR	84,396	-
US Dept of Interior	Direct	15.662	F19AC00653	US DEPT OF THE INTERIOR	141,401	46,717
US Dept of Interior	Direct	15.662	F20AC10172	US FISH AND WILDLIFE SERVICE	156,897	-
US Dept of Interior	Direct	15.662	F20AC10391	US FISH AND WILDLIFE SERVICE	52,547	-
US Dept of Interior	Direct	15.662	F20AC10787-00	US FISH AND WILDLIFE SERVICE	12,114	-
US Dept of Interior	Direct	15.678	F17AC00575	US FISH AND WILDLIFE SERVICE	101,730	-
US Dept of Interior	Direct	15.678	F20AC00228	US DEPT OF THE INTERIOR	36,956	-
US Dept of Interior	Direct	15.805	G16AP00063	US GEOLOGICAL SURVEY	83,169	-
US Dept of Interior	Direct	15.808	16AX00421	US GEOLOGICAL SURVEY	(6,243)	-
US Dept of Interior	Direct	15.808	G16AC00116	US GEOLOGICAL SURVEY	(1,054)	-
US Dept of Interior	Direct	15.808	G17AC00152	US GEOLOGICAL SURVEY	102,896	-
US Dept of Interior	Direct	15.808	G17AC00385	US GEOLOGICAL SURVEY	(1,012)	-
US Dept of Interior	Direct	15.808	G17AC00408	US GEOLOGICAL SURVEY	15,173	-
US Dept of Interior	Direct	15.808	G18AC00105	US GEOLOGICAL SURVEY	7,276	-
US Dept of Interior	Direct	15.808	G19AC00109	US GEOLOGICAL SURVEY	241,998	-
US Dept of Interior	Direct	15.808	G20AC00275	US GEOLOGICAL SURVEY	170,296	-
US Dept of Interior	Direct	15.808	G21AC00013	US GEOLOGICAL SURVEY	101,483	-
US Dept of Interior	Direct	15.811	G17AC00185	US GEOLOGICAL SURVEY	(6,205)	-
US Dept of Interior	Direct	15.945	P17AC01465	NATIONAL PARK SERVICE	9,520	-
	Direct Total				<u>1,857,106</u>	<u>73,100</u>
US Dept of Interior	Pass-through	15.RD	20000002032	MICHIGAN DEPT OF NATURAL RESOURCES	158,707	-
US Dept of Interior	Pass-through	15.232	60064793	OHIO STATE UNIV	16,475	-
US Dept of Interior	Pass-through	15.232	60064793	OHIO STATE UNIV	3,038	-
US Dept of Interior	Pass-through	15.608	AISNGL20-001	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	19,427	-
US Dept of Interior	Pass-through	15.608	FISH2 2021-15, GG 751 21000001674	MICHIGAN DEPT OF NATURAL RESOURCES	11,623	-
US Dept of Interior	Pass-through	15.608	FISH212020-2	MICHIGAN DEPT OF NATURAL RESOURCES	57,880	-
US Dept of Interior	Pass-through	15.608	FISH51 2020-4	MICHIGAN DEPT OF NATURAL RESOURCES	17,495	-
US Dept of Interior	Pass-through	15.608	P115833-A104607	THE NATURE CONSERVANCY	8,253	-
US Dept of Interior	Pass-through	15.639	SCIT F&W F16AP00301	SAGINAW CHIPPEWA INDIAN TRIBE OF MICHIGAN	9,305	-
US Dept of Interior	Pass-through	15.662	062419-1	THE NATURE CONSERVANCY	2,830	-
US Dept of Interior	Pass-through	15.662	19000000932 DO 210000005538	MICHIGAN DEPT OF NATURAL RESOURCES	141,243	-
US Dept of Interior	Pass-through	15.670	Project Code FO-EWG-2147	NATIONAL COUNCIL FOR AIR AND STREAM IMPROVEMENT	74,290	-
US Dept of Interior	Pass-through	15.945	2018-2109-01	NORTH CAROLINA STATE UNIV	106	-
	Pass-through Total				<u>520,672</u>	<u>-</u>
	US Dept of Interior Total				<u>2,377,778</u>	<u>73,100</u>
US Dept of Justice	Direct	16.026	2018-SI-AX-0001	US DEPT OF JUSTICE	118,977	11,856
US Dept of Justice	Direct	16.550	2017-BJ-CX-K020	US DEPT OF JUSTICE	11,156	-
US Dept of Justice	Direct	16.550	2018-86-CX-K033	US DEPT OF JUSTICE	56,432	33,603
US Dept of Justice	Direct	16.550	2020-86-CX-K025	OFFICE OF JUSTICE PROGRAMS	60,058	-
US Dept of Justice	Direct	16.560	2015-CK-BX-0017	US DEPT OF JUSTICE	957,467	902,223
US Dept of Justice	Direct	16.560	2015-R2-CX-K041	US DEPT OF JUSTICE	64,323	11,292
US Dept of Justice	Direct	16.560	2018-75-CX-4030	NATIONAL INST OF JUSTICE	306,229	273,927
US Dept of Justice	Direct	16.560	2018-DU-BX-0225	US DEPT OF JUSTICE	147,127	49,802
US Dept of Justice	Direct	16.560	2018-ZD-CX-0003	US DEPT OF JUSTICE	106,123	9,479
US Dept of Justice	Direct	16.560	2019-MU-CX-0094	US DEPT OF JUSTICE	89,295	5,999
US Dept of Justice	Direct	16.560	2019-R2-CX-0008	US DEPT OF JUSTICE	4,139	-
US Dept of Justice	Direct	16.560	2020-75-CX-0012	NATIONAL INST OF JUSTICE	45,384	-
US Dept of Justice	Direct	16.560	2020-DQ-BX-0001	OFFICE OF JUSTICE PROGRAMS	17,588	-
US Dept of Justice	Direct	16.560	2020-ZA-CX-0001	NATIONAL INST OF JUSTICE	38,152	-
US Dept of Justice	Direct	16.738	2016-MU-BX-K001	US DEPT OF JUSTICE	277,771	75,119
	Direct Total				<u>2,300,221</u>	<u>1,373,300</u>
US Dept of Justice	Pass-through	16.RD	09-097CCCC	WEST VIRGINIA UNIV	21,849	-
US Dept of Justice	Pass-through	16.RD	09-097III-MSU	WEST VIRGINIA UNIV	(3,301)	-
US Dept of Justice	Pass-through	16.RD	09-097RRR-MSU	WEST VIRGINIA UNIV	42,367	-
US Dept of Justice	Pass-through	16.RD	09-097VVV-MSU	WEST VIRGINIA UNIV	58,702	-
US Dept of Justice	Pass-through	16.320	720511-1220-00	NATIONWIDE CHILDRENS HOSPITAL	10,554	-
US Dept of Justice	Pass-through	16.560	19008-3125-1	TEXAS STATE UNIVERSITY	97,299	-
US Dept of Justice	Pass-through	16.560	203575MSU	UNIVERSITY OF NOTRE DAME	57,614	-
US Dept of Justice	Pass-through	16.560	21-1020-6120-MSU	SAN JOSE STATE UNIVERSITY	90,970	-
US Dept of Justice	Pass-through	16.560	500.015	WESTERN MICHIGAN UNIV	257	-
US Dept of Justice	Pass-through	16.560	CM00005839-00	RESEARCH FOUNDATION OF CUNY	18,264	-
US Dept of Justice	Pass-through	16.560	GR101771	YALE UNIV	81,527	-
US Dept of Justice	Pass-through	16.560	SUBK00009848	UNIVERSITY OF MICHIGAN	940	-
US Dept of Justice	Pass-through	16.575	C-32001-115-504200	MICHIGAN PUBLIC HEALTH INST	(1,514)	-
US Dept of Justice	Pass-through	16.575	E20211681-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	280,174	-
US Dept of Justice	Pass-through	16.575	E20211682-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	173,864	-
US Dept of Justice	Pass-through	16.609	2018-GP-BX-0036	BLACK FAMILY DEVELOPMENT INC	53,575	-
US Dept of Justice	Pass-through	16.609	2019-GP-BX-0060	SAGINAW COMMUNITY FOUNDATION	49,205	-
US Dept of Justice	Pass-through	16.609	2020-GP-BX-0014	CITY OF JACKSON	4,955	-
US Dept of Justice	Pass-through	16.738	6001197	CITY OF DETROIT	27,205	-
US Dept of Justice	Pass-through	16.738	6002932	CITY OF DETROIT	16,374	-
US Dept of Justice	Pass-through	16.738	BJA-2019-15126	CITY OF SAGINAW	76,466	-
US Dept of Justice	Pass-through	16.751	2017-DG-BX-K012	WAYNE COUNTY PROSECUTOR'S OFFICE	29,395	-
US Dept of Justice	Pass-through	16.812	17479-001	DETROIT RESCUE MISSION MINISTRIES	3,570	-
US Dept of Justice	Pass-through	16.817	CBCR-2017-AJ-BX-0007	HAMILTON COMMUNITY HEALTH NETWORK	10,488	-
US Dept of Justice	Pass-through	16.825	IPS-O MSU 2018	WAYNE COUNTY PROSECUTOR'S OFFICE	34,260	-
US Dept of Justice	Pass-through	16.833	3-312-0217208-65864L	RTI INTL	106,373	-
US Dept of Justice	Pass-through	16.833	SAKI-15-04	MICHIGAN STATE POLICE	78,519	-
US Dept of Justice	Pass-through	16.833	SAKI-18-001	MICHIGAN STATE POLICE	113,600	-
US Dept of Justice	Pass-through	16.838	6002933	CITY OF DETROIT	25,374	-
	Pass-through Total				<u>1,558,925</u>	<u>-</u>
	US Dept of Justice Total				<u>3,859,146</u>	<u>1,373,300</u>

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of State	Direct	19.RD	19AQQM18P1791	US DEPT OF STATE	\$ 2,860	\$ 3,500
US Dept of State	Direct	19.RD	19AQQM19P0582	US DEPT OF STATE	202,901	94,891
US Dept of State	Direct	19.RD	19AQQM20P1473	US DEPT OF STATE	28,584	7,089
	Direct Total				<u>234,345</u>	<u>105,480</u>
US Dept of State	Pass-through	19.040	45-2402-1031-313	UNIVERSITY OF NEBRASKA OMAHA	27,591	-
US Dept of State	Pass-through	19.900	SKZ100-19-CA-0149	AMER COUNCILS FOR INTL EDUCATION	27,635	-
	Pass-through Total				<u>55,226</u>	<u>-</u>
	US Dept of State Total				<u>289,571</u>	<u>105,480</u>
US Dept of Transportation	Direct	20.701	DTRT13-G-UTC44	US DEPT OF TRANSPORTATION	23,084	23,084
US Dept of Transportation	Direct	20.724	693JK31850007	US DEPT OF TRANSPORTATION	92,402	90,636
US Dept of Transportation	Direct	20.724	693JK32050002CAAP	US DEPT OF TRANSPORTATION	50,768	-
US Dept of Transportation	Direct	20.724	693JK32050003CAAP	US DEPT OF TRANSPORTATION	44,188	13,830
	Direct Total				<u>210,442</u>	<u>127,550</u>
US Dept of Transportation	Pass-through	20.RD	0000000241	UNIVERSITY OF WISCONSIN MADISON	8,594	-
US Dept of Transportation	Pass-through	20.RD	2018-0045	MICHIGAN DEPT OF TRANSPORTATION	67,583	-
US Dept of Transportation	Pass-through	20.RD	21-57	ENGINEERING AND SOFTWARE CONSULTANTS INC (ESC)	5,101	-
US Dept of Transportation	Pass-through	20.109	010937A	IOWA STATE UNIV	9,266	-
US Dept of Transportation	Pass-through	20.200	1035211	MINNESOTA DEPT OF TRANSPORTATION	10,723	-
US Dept of Transportation	Pass-through	20.200	1035212	MINNESOTA DEPT OF TRANSPORTATION	9,769	-
US Dept of Transportation	Pass-through	20.200	5117688	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	6,398	-
US Dept of Transportation	Pass-through	20.200	C00062898-2	UNIVERSITY OF MISSOURI	67,363	-
US Dept of Transportation	Pass-through	20.200	NCHRP-218	NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM	69,896	-
US Dept of Transportation	Pass-through	20.200	S-778-003613-00-MSU	APPLIED RESEARCH ASSOCIATES INC	29,080	-
US Dept of Transportation	Pass-through	20.215	0000000240	UNIVERSITY OF WISCONSIN MADISON	61,492	-
US Dept of Transportation	Pass-through	20.215	436-17-35B	IOWA STATE UNIV	13,452	-
US Dept of Transportation	Pass-through	20.215	436-17-35B	IOWA STATE UNIV	33,264	-
US Dept of Transportation	Pass-through	20.505	2013-0066-Z10	MICHIGAN DEPT OF TRANSPORTATION	74,662	-
US Dept of Transportation	Pass-through	20.505	2019-0275	MICHIGAN DEPT OF TRANSPORTATION	64,310	-
US Dept of Transportation	Pass-through	20.505	2019-0289	MICHIGAN DEPT OF TRANSPORTATION	46,767	-
US Dept of Transportation	Pass-through	20.505	2019-0295	MICHIGAN DEPT OF TRANSPORTATION	49,219	-
US Dept of Transportation	Pass-through	20.505	2019-0369	MICHIGAN DEPT OF TRANSPORTATION	101,221	-
US Dept of Transportation	Pass-through	20.505	2019-0442	MICHIGAN DEPT OF TRANSPORTATION	14,266	-
US Dept of Transportation	Pass-through	20.505	2019-0996	MICHIGAN DEPT OF TRANSPORTATION	116,410	-
US Dept of Transportation	Pass-through	20.505	2019-0997	MICHIGAN DEPT OF TRANSPORTATION	177,561	52,304
US Dept of Transportation	Pass-through	20.505	2019-1007	MICHIGAN DEPT OF TRANSPORTATION	99,869	-
US Dept of Transportation	Pass-through	20.505	2020-0159	MICHIGAN DEPT OF TRANSPORTATION	27,090	-
US Dept of Transportation	Pass-through	20.505	2020-0235	MICHIGAN DEPT OF TRANSPORTATION	140,397	11,133
US Dept of Transportation	Pass-through	20.505	2020-0783	MICHIGAN DEPT OF TRANSPORTATION	22,683	-
US Dept of Transportation	Pass-through	20.505	2021-0207	MICHIGAN DEPT OF TRANSPORTATION	8,864	-
US Dept of Transportation	Pass-through	20.505	2021-0288	MICHIGAN DEPT OF TRANSPORTATION	35,916	-
US Dept of Transportation	Pass-through	20.505	2021-0403	MICHIGAN DEPT OF TRANSPORTATION	3,197	-
US Dept of Transportation	Pass-through	20.614	DTNH2215H00473	NATIONAL SAFETY COUNCIL	134,474	27,060
US Dept of Transportation	Pass-through	20.723	S830	GAS TECHNOLOGY INST	107,300	-
US Dept of Transportation	Pass-through	20.724	04540_MSU	UNIVERSITY OF AKRON	15,246	-
US Dept of Transportation	Pass-through	20.724	401493-5801	COLORADO SCHOOL OF MINES	103,691	-
	Pass-through Total				<u>1,735,124</u>	<u>90,497</u>
	US Dept of Transportation Total				<u>1,945,566</u>	<u>218,047</u>
US Dept of Treasury	Pass-through	21.010	App 143072/154144	MICHIGAN HOMEOWNER ASSISTANCE NONPROFIT HOUSING CORP	102,854	-
US Dept of Treasury	Pass-through	21.019	COVID-19 - 1	BROGAN AND PARTNERS CONVERGENCE MARKETING	140,493	-
US Dept of Treasury	Pass-through	21.019	COVID-19 - 2020-7501	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	1,120,658	-
US Dept of Treasury	Pass-through	21.019	COVID-19 - 2020-7502	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	738,956	-
	Pass-through Total				<u>2,102,961</u>	<u>-</u>
	US Dept of Treasury Total				<u>2,102,961</u>	<u>-</u>
National Aeronautics and Space Administration	Direct	43.001	80NSSC17K0259	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	293,880	134,094
National Aeronautics and Space Administration	Direct	43.001	80NSSC18K1084	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	170,991	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC18K1134	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	233,670	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC18K1707	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	51,023	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC18K1746	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	4,990	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC19K0302	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	368,769	85,043
National Aeronautics and Space Administration	Direct	43.001	80NSSC19K0522	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	3,479	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC19K1454	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	(1,489)	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC19M0132	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	138,029	20,854
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0019	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	62,470	14,765
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0263	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	246,668	33,929
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0366	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	159,893	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0410	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	145,703	24,660
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0411	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	278,237	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0503	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	67,456	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0740	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	75,855	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K1535	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	9,301	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0173	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	14,615	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0277	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	24,501	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0312	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	73,350	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0315	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	3,196	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0400	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	35,212	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0403	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	34,381	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0588	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	13,990	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21M0023	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	66,100	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21M0128	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	47,444	-
National Aeronautics and Space Administration	Direct	43.001	NX15AP39G	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	(3,090)	-
National Aeronautics and Space Administration	Direct	43.001	NX16AP81G	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	34,278	-
National Aeronautics and Space Administration	Direct	43.001	NX17AE16G	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	66,082	-
National Aeronautics and Space Administration	Direct	43.003	80NSSC19K0707	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	14,943	-
National Aeronautics and Space Administration	Direct	43.003	NX16AR52G	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	(6,933)	-
National Aeronautics and Space Administration	Direct	43.007	80NSSC19M0128	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	152,271	-
National Aeronautics and Space Administration	Direct	43.007	NX16AC24A	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	23,714	-
National Aeronautics and Space Administration	Direct	43.012	80NSSC20K1203	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	47,738	-
	Direct Total				<u>2,950,717</u>	<u>313,345</u>
National Aeronautics and Space Administration	Pass-through	43.RD	1580232	JET PROPULSION LABORATORY	34,860	-
National Aeronautics and Space Administration	Pass-through	43.RD	HST-GO-14351.001-A	SPACE TELESCOPE SCIENCE INST	(1,133)	-
National Aeronautics and Space Administration	Pass-through	43.RD	HST-GO-15645.003-A	SPACE TELESCOPE SCIENCE INST	10,075	-
National Aeronautics and Space Administration	Pass-through	43.RD	HST-GO-15933.005-A	SPACE TELESCOPE SCIENCE INST	10,486	-
National Aeronautics and Space Administration	Pass-through	43.RD	PO52316-514242 52316	SPACE TELESCOPE SCIENCE INST	1,654	-
National Aeronautics and Space Administration	Pass-through	43.001	1552613	UNIVERSITY OF COLORADO	8,724	-
National Aeronautics and Space Administration	Pass-through	43.001	1593846	JET PROPULSION LABORATORY	(1,467)	-
National Aeronautics and Space Administration	Pass-through	43.001	160908221	MICHIGAN TECHNICAL RESEARCH INST	59,758	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
National Aeronautics and Space Administration	Pass-through	43.001	1618663	JET PROPULSION LABORATORY	\$ (3,645)	\$ -
National Aeronautics and Space Administration	Pass-through	43.001	1638798	JET PROPULSION LABORATORY	2,165	-
National Aeronautics and Space Administration	Pass-through	43.001	1659290	JET PROPULSION LABORATORY	10,880	-
National Aeronautics and Space Administration	Pass-through	43.001	1695-MSU	PLANETARY SCIENCE INSTITUTE	16,170	-
National Aeronautics and Space Administration	Pass-through	43.001	19-0053	UNIVERSITY OF ALASKA	362,085	-
National Aeronautics and Space Administration	Pass-through	43.001	3TC658	SOUTH DAKOTA STATE UNIV	359	-
National Aeronautics and Space Administration	Pass-through	43.001	51072	SPACE TELESCOPE SCIENCE INST	16,019	-
National Aeronautics and Space Administration	Pass-through	43.001	60074901	OHIO STATE UNIV	41,151	-
National Aeronautics and Space Administration	Pass-through	43.001	73133-Z6052002	UNIVERSITY OF MARYLAND	10,461	-
National Aeronautics and Space Administration	Pass-through	43.001	ARO-21008B	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	13,129	-
National Aeronautics and Space Administration	Pass-through	43.001	G07-18032A	CHANDRA SCIENCE CENTER	(2,030)	-
National Aeronautics and Space Administration	Pass-through	43.001	G00-21074X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	33,162	-
National Aeronautics and Space Administration	Pass-through	43.001	G00-21096X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	18,610	-
National Aeronautics and Space Administration	Pass-through	43.001	G00-21114B	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	4,231	-
National Aeronautics and Space Administration	Pass-through	43.001	G00-21116X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	13,267	-
National Aeronautics and Space Administration	Pass-through	43.001	G09-20080X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	(4,783)	-
National Aeronautics and Space Administration	Pass-through	43.001	HST-GO-15308.003	SPACE TELESCOPE SCIENCE INST	6,558	-
National Aeronautics and Space Administration	Pass-through	43.001	NS2210-SB-223334	UNIVERSITY OF IDAHO	10,499	-
National Aeronautics and Space Administration	Pass-through	43.001	RSA No. 1645965	JET PROPULSION LABORATORY	60,748	-
National Aeronautics and Space Administration	Pass-through	43.001	S431505	CALIFORNIA INST OF TECHNOLOGY	12,227	-
National Aeronautics and Space Administration	Pass-through	43.001	SV9-89010	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	36,367	-
National Aeronautics and Space Administration	Pass-through	43.001	TMS-19006X	CHANDRA SCIENCE CENTER	35,719	-
National Aeronautics and Space Administration	Pass-through	43.003	7000000820	BAYLOR COLLEGE OF MEDICINE	145,981	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00009426	MICHIGAN SPACE GRANT CONSORTIUM	(1,880)	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00009426	UNIVERSITY OF MICHIGAN	134	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00010286	UNIVERSITY OF MICHIGAN	50	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00010286	UNIVERSITY OF MICHIGAN	960	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00010286	UNIVERSITY OF MICHIGAN	2,910	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00010286	UNIVERSITY OF MICHIGAN	4,003	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00010286	UNIVERSITY OF MICHIGAN	5,000	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00010286	UNIVERSITY OF MICHIGAN	5,500	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00011146	UNIVERSITY OF MICHIGAN	3,831	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00015392	UNIVERSITY OF MICHIGAN	280	-
National Aeronautics and Space Administration	Pass-through	43.012	438296	UNIVERSITY OF ARIZONA	21,479	-
Pass-through Total					1,004,551	-
National Aeronautics and Space Administration Total					3,955,268	313,345
National Endowment for the Arts and Humanities	Pass-through	45.129	HJ023-20	MICHIGAN HUMANITIES COUNCIL	1,144	-
National Endowment for the Arts and Humanities	Pass-through	45.312	LG-246431-OLS-20	ARTCENTER COLLEGE OF DESIGN	3,200	-
Pass-through Total					4,344	-
National Endowment for the Arts and Humanities Total					4,344	-
National Science Foundation	Direct	47.041	1463164	NATIONAL SCIENCE FOUNDATION	6,257	-
National Science Foundation	Direct	47.041	1510895	NATIONAL SCIENCE FOUNDATION	(1,628)	-
National Science Foundation	Direct	47.041	1561628	NATIONAL SCIENCE FOUNDATION	6,535	-
National Science Foundation	Direct	47.041	1565232	NATIONAL SCIENCE FOUNDATION	(33,033)	-
National Science Foundation	Direct	47.041	1600417	NATIONAL SCIENCE FOUNDATION	614	-
National Science Foundation	Direct	47.041	1603347	NATIONAL SCIENCE FOUNDATION	12,424	-
National Science Foundation	Direct	47.041	1603646	NATIONAL SCIENCE FOUNDATION	(17,879)	-
National Science Foundation	Direct	47.041	1603646	NATIONAL SCIENCE FOUNDATION	2,636	-
National Science Foundation	Direct	47.041	1603705	NATIONAL SCIENCE FOUNDATION	49,821	-
National Science Foundation	Direct	47.041	1603720	NATIONAL SCIENCE FOUNDATION	32,582	-
National Science Foundation	Direct	47.041	1603892	NATIONAL SCIENCE FOUNDATION	(84)	-
National Science Foundation	Direct	47.041	1628958	NATIONAL SCIENCE FOUNDATION	97,807	11,483
National Science Foundation	Direct	47.041	1632051	NATIONAL SCIENCE FOUNDATION	212,985	-
National Science Foundation	Direct	47.041	1639115	NATIONAL SCIENCE FOUNDATION	301,171	-
National Science Foundation	Direct	47.041	1651674	NATIONAL SCIENCE FOUNDATION	126,482	-
National Science Foundation	Direct	47.041	1661618	NATIONAL SCIENCE FOUNDATION	118,742	-
National Science Foundation	Direct	47.041	1700787	NATIONAL SCIENCE FOUNDATION	20,397	-
National Science Foundation	Direct	47.041	1702591	NATIONAL SCIENCE FOUNDATION	58,204	-
National Science Foundation	Direct	47.041	1702987	NATIONAL SCIENCE FOUNDATION	63,308	-
National Science Foundation	Direct	47.041	1703735	NATIONAL SCIENCE FOUNDATION	13,735	-
National Science Foundation	Direct	47.041	1703735	NATIONAL SCIENCE FOUNDATION	25,629	-
National Science Foundation	Direct	47.041	1708820	NATIONAL SCIENCE FOUNDATION	126,127	-
National Science Foundation	Direct	47.041	1724941	NATIONAL SCIENCE FOUNDATION	4,754	-
National Science Foundation	Direct	47.041	1724941	NATIONAL SCIENCE FOUNDATION	95,239	-
National Science Foundation	Direct	47.041	1725278	NATIONAL SCIENCE FOUNDATION	122,667	-
National Science Foundation	Direct	47.041	1727525	NATIONAL SCIENCE FOUNDATION	135,380	-
National Science Foundation	Direct	47.041	1750785	NATIONAL SCIENCE FOUNDATION	73,688	-
National Science Foundation	Direct	47.041	1759823	NATIONAL SCIENCE FOUNDATION	25,860	-
National Science Foundation	Direct	47.041	1762331	NATIONAL SCIENCE FOUNDATION	133,904	-
National Science Foundation	Direct	47.041	1801785	NATIONAL SCIENCE FOUNDATION	65,548	-
National Science Foundation	Direct	47.041	1802992	NATIONAL SCIENCE FOUNDATION	30,147	-
National Science Foundation	Direct	47.041	1802992-PSC	NATIONAL SCIENCE FOUNDATION	21,239	-
National Science Foundation	Direct	47.041	1803695	NATIONAL SCIENCE FOUNDATION	13	-
National Science Foundation	Direct	47.041	1803695	NATIONAL SCIENCE FOUNDATION	15,371	-
National Science Foundation	Direct	47.041	1803695	NATIONAL SCIENCE FOUNDATION	48,387	-
National Science Foundation	Direct	47.041	1808436	NATIONAL SCIENCE FOUNDATION	69,772	-
National Science Foundation	Direct	47.041	1824976	NATIONAL SCIENCE FOUNDATION	56,018	-
National Science Foundation	Direct	47.041	1825678	NATIONAL SCIENCE FOUNDATION	267	-
National Science Foundation	Direct	47.041	1825678	NATIONAL SCIENCE FOUNDATION	24,217	-
National Science Foundation	Direct	47.041	1825678	NATIONAL SCIENCE FOUNDATION	106,339	-
National Science Foundation	Direct	47.041	1830269	NATIONAL SCIENCE FOUNDATION	4,727	-
National Science Foundation	Direct	47.041	1830269	NATIONAL SCIENCE FOUNDATION	38,786	-
National Science Foundation	Direct	47.041	1854750	NATIONAL SCIENCE FOUNDATION	3,001	-
National Science Foundation	Direct	47.041	1854750	NATIONAL SCIENCE FOUNDATION	87,243	-
National Science Foundation	Direct	47.041	1902250	NATIONAL SCIENCE FOUNDATION	37,234	-
National Science Foundation	Direct	47.041	1917577	NATIONAL SCIENCE FOUNDATION	82,141	19,053
National Science Foundation	Direct	47.041	1918074	NATIONAL SCIENCE FOUNDATION	55,405	-
National Science Foundation	Direct	47.041	1923409	NATIONAL SCIENCE FOUNDATION	28,871	-
National Science Foundation	Direct	47.041	1933768	NATIONAL SCIENCE FOUNDATION	156,534	-
National Science Foundation	Direct	47.041	1935451	NATIONAL SCIENCE FOUNDATION	115,105	63,505
National Science Foundation	Direct	47.041	1936440	NATIONAL SCIENCE FOUNDATION	106,497	13,855
National Science Foundation	Direct	47.041	1940950	NATIONAL SCIENCE FOUNDATION	76,779	-
National Science Foundation	Direct	47.041	1943716	NATIONAL SCIENCE FOUNDATION	71,844	-
National Science Foundation	Direct	47.041	1943759	NATIONAL SCIENCE FOUNDATION	15,897	-
National Science Foundation	Direct	47.041	1945779	NATIONAL SCIENCE FOUNDATION	4,043	-
National Science Foundation	Direct	47.041	1947009	NATIONAL SCIENCE FOUNDATION	37,845	-
National Science Foundation	Direct	47.041	1950794	NATIONAL SCIENCE FOUNDATION	6,272	-
National Science Foundation	Direct	47.041	1950794	NATIONAL SCIENCE FOUNDATION	24,000	-

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
National Science Foundation	Direct	47.041	2013093	NATIONAL SCIENCE FOUNDATION	\$ 129,291	\$ 29,196
National Science Foundation	Direct	47.041	2013161	NATIONAL SCIENCE FOUNDATION	84,169	38,598
National Science Foundation	Direct	47.041	2015194	NATIONAL SCIENCE FOUNDATION	102,262	-
National Science Foundation	Direct	47.041	2019320	NATIONAL SCIENCE FOUNDATION	28,054	-
National Science Foundation	Direct	47.041	2024270	NATIONAL SCIENCE FOUNDATION	47,323	-
National Science Foundation	Direct	47.041	2024649	NATIONAL SCIENCE FOUNDATION	78,113	-
National Science Foundation	Direct	47.041	2025959	NATIONAL SCIENCE FOUNDATION	70,345	-
National Science Foundation	Direct	47.041	2026717	NATIONAL SCIENCE FOUNDATION	91,743	-
National Science Foundation	Direct	47.041	2027113	NATIONAL SCIENCE FOUNDATION	80,334	12,653
National Science Foundation	Direct	47.041	2028474	NATIONAL SCIENCE FOUNDATION	85,585	-
National Science Foundation	Direct	47.041	2028736	NATIONAL SCIENCE FOUNDATION	50,255	-
National Science Foundation	Direct	47.041	2029374	NATIONAL SCIENCE FOUNDATION	200,273	-
National Science Foundation	Direct	47.041	2030411	NATIONAL SCIENCE FOUNDATION	18,296	-
National Science Foundation	Direct	47.041	2030556	NATIONAL SCIENCE FOUNDATION	52,906	-
National Science Foundation	Direct	47.041	2032709	NATIONAL SCIENCE FOUNDATION	47,879	-
National Science Foundation	Direct	47.041	2036737	NATIONAL SCIENCE FOUNDATION	61,628	14,063
National Science Foundation	Direct	47.041	2043464	NATIONAL SCIENCE FOUNDATION	20,513	-
National Science Foundation	Direct	47.041	CBET-1254453	NATIONAL SCIENCE FOUNDATION	(4,297)	-
National Science Foundation	Direct	47.041	CBET-1845006	NATIONAL SCIENCE FOUNDATION	120,792	-
National Science Foundation	Direct	47.041	CMMI-1462118	NATIONAL SCIENCE FOUNDATION	(8,879)	-
National Science Foundation	Direct	47.041	CMMI-1462118-002	NATIONAL SCIENCE FOUNDATION	29,684	-
National Science Foundation	Direct	47.041	COVID-19 - 2028474	NATIONAL SCIENCE FOUNDATION	4,606	-
National Science Foundation	Direct	47.041	COVID-19 - 2029319	NATIONAL SCIENCE FOUNDATION	99,909	-
National Science Foundation	Direct	47.041	ECCS-1407880	NATIONAL SCIENCE FOUNDATION	2,398	-
National Science Foundation	Direct	47.041	ECCS-1407880	NATIONAL SCIENCE FOUNDATION	13,746	-
National Science Foundation	Direct	47.041	ECCS-1407880	NATIONAL SCIENCE FOUNDATION	22,702	-
National Science Foundation	Direct	47.041	ECCS-175185	NATIONAL SCIENCE FOUNDATION	16,247	-
National Science Foundation	Direct	47.041	PHY-1531199	NATIONAL SCIENCE FOUNDATION	54,955	-
National Science Foundation	Direct	47.049	1951535	NATIONAL SCIENCE FOUNDATION	(14,994)	-
National Science Foundation	Direct	47.049	162494	NATIONAL SCIENCE FOUNDATION	728,422	-
National Science Foundation	Direct	47.049	1453661	NATIONAL SCIENCE FOUNDATION	(4)	-
National Science Foundation	Direct	47.049	1453661	NATIONAL SCIENCE FOUNDATION	11,897	-
National Science Foundation	Direct	47.049	1465043	NATIONAL SCIENCE FOUNDATION	(37)	-
National Science Foundation	Direct	47.049	1514700	NATIONAL SCIENCE FOUNDATION	(10,114)	-
National Science Foundation	Direct	47.049	1554315	NATIONAL SCIENCE FOUNDATION	85,310	-
National Science Foundation	Direct	47.049	1559866	NATIONAL SCIENCE FOUNDATION	27,761	-
National Science Foundation	Direct	47.049	1559866	NATIONAL SCIENCE FOUNDATION	58,140	-
National Science Foundation	Direct	47.049	1607942	NATIONAL SCIENCE FOUNDATION	55,227	-
National Science Foundation	Direct	47.049	1608752	NATIONAL SCIENCE FOUNDATION	20,049	-
National Science Foundation	Direct	47.049	1614566	NATIONAL SCIENCE FOUNDATION	(669)	-
National Science Foundation	Direct	47.049	1620216	NATIONAL SCIENCE FOUNDATION	(162)	-
National Science Foundation	Direct	47.049	1625181	NATIONAL SCIENCE FOUNDATION	103,460	-
National Science Foundation	Direct	47.049	1632761	NATIONAL SCIENCE FOUNDATION	(155)	-
National Science Foundation	Direct	47.049	1653405	NATIONAL SCIENCE FOUNDATION	45,788	-
National Science Foundation	Direct	47.049	1654610	NATIONAL SCIENCE FOUNDATION	90,170	-
National Science Foundation	Direct	47.049	1664823	NATIONAL SCIENCE FOUNDATION	54,145	-
National Science Foundation	Direct	47.049	1700094	NATIONAL SCIENCE FOUNDATION	16,279	-
National Science Foundation	Direct	47.049	1700837	NATIONAL SCIENCE FOUNDATION	(35)	-
National Science Foundation	Direct	47.049	1702115	NATIONAL SCIENCE FOUNDATION	27,265	-
National Science Foundation	Direct	47.049	1707812	NATIONAL SCIENCE FOUNDATION	16,895	-
National Science Foundation	Direct	47.049	1708249	NATIONAL SCIENCE FOUNDATION	64,988	-
National Science Foundation	Direct	47.049	1708331	NATIONAL SCIENCE FOUNDATION	(23,802)	-
National Science Foundation	Direct	47.049	1709016	NATIONAL SCIENCE FOUNDATION	40,603	-
National Science Foundation	Direct	47.049	1709158	NATIONAL SCIENCE FOUNDATION	53,222	-
National Science Foundation	Direct	47.049	1709158	NATIONAL SCIENCE FOUNDATION	55,604	-
National Science Foundation	Direct	47.049	1713901	NATIONAL SCIENCE FOUNDATION	120,805	-
National Science Foundation	Direct	47.049	1714825	NATIONAL SCIENCE FOUNDATION	136,845	-
National Science Foundation	Direct	47.049	1715178	NATIONAL SCIENCE FOUNDATION	20,839	-
National Science Foundation	Direct	47.049	1719863	NATIONAL SCIENCE FOUNDATION	14,252	-
National Science Foundation	Direct	47.049	1719914	NATIONAL SCIENCE FOUNDATION	21,145	-
National Science Foundation	Direct	47.049	1720023	NATIONAL SCIENCE FOUNDATION	22,142	-
National Science Foundation	Direct	47.049	1751874	NATIONAL SCIENCE FOUNDATION	200,872	-
National Science Foundation	Direct	47.049	1754967	NATIONAL SCIENCE FOUNDATION	18,056	-
National Science Foundation	Direct	47.049	1759824	NATIONAL SCIENCE FOUNDATION	18,721	-
National Science Foundation	Direct	47.049	1761320	NATIONAL SCIENCE FOUNDATION	34,437	-
National Science Foundation	Direct	47.049	1761320	NATIONAL SCIENCE FOUNDATION	73,424	-
National Science Foundation	Direct	47.049	1761320	NATIONAL SCIENCE FOUNDATION	119,334	-
National Science Foundation	Direct	47.049	1763371	NATIONAL SCIENCE FOUNDATION	120,349	-
National Science Foundation	Direct	47.049	1803719	NATIONAL SCIENCE FOUNDATION	86,458	-
National Science Foundation	Direct	47.049	1806473	NATIONAL SCIENCE FOUNDATION	144,794	116,414
National Science Foundation	Direct	47.049	1807073	NATIONAL SCIENCE FOUNDATION	89,483	-
National Science Foundation	Direct	47.049	1807073	NATIONAL SCIENCE FOUNDATION	135,230	-
National Science Foundation	Direct	47.049	1807573	NATIONAL SCIENCE FOUNDATION	90,776	-
National Science Foundation	Direct	47.049	1810575	NATIONAL SCIENCE FOUNDATION	87,267	-
National Science Foundation	Direct	47.049	1811815	NATIONAL SCIENCE FOUNDATION	93,619	-
National Science Foundation	Direct	47.049	1811855	NATIONAL SCIENCE FOUNDATION	127,754	-
National Science Foundation	Direct	47.049	1812332	NATIONAL SCIENCE FOUNDATION	8,036	-
National Science Foundation	Direct	47.049	1812838	NATIONAL SCIENCE FOUNDATION	77,540	-
National Science Foundation	Direct	47.049	1812856	NATIONAL SCIENCE FOUNDATION	14,817	-
National Science Foundation	Direct	47.049	1813203	NATIONAL SCIENCE FOUNDATION	62,719	-
National Science Foundation	Direct	47.049	1836498	NATIONAL SCIENCE FOUNDATION	22,958	-
National Science Foundation	Direct	47.049	1836498	NATIONAL SCIENCE FOUNDATION	35,620	-
National Science Foundation	Direct	47.049	1843472	NATIONAL SCIENCE FOUNDATION	324	-
National Science Foundation	Direct	47.049	1845416	NATIONAL SCIENCE FOUNDATION	44,709	-
National Science Foundation	Direct	47.049	1845856	NATIONAL SCIENCE FOUNDATION	195,586	-
National Science Foundation	Direct	47.049	1846114	NATIONAL SCIENCE FOUNDATION	52,276	-
National Science Foundation	Direct	47.049	1851776	NATIONAL SCIENCE FOUNDATION	23,477	-
National Science Foundation	Direct	47.049	1851776	NATIONAL SCIENCE FOUNDATION	41,840	-
National Science Foundation	Direct	47.049	1856335	NATIONAL SCIENCE FOUNDATION	329,293	-
National Science Foundation	Direct	47.049	1856683	NATIONAL SCIENCE FOUNDATION	39,354	-
National Science Foundation	Direct	47.049	1900015	NATIONAL SCIENCE FOUNDATION	66,442	-
National Science Foundation	Direct	47.049	1900268	NATIONAL SCIENCE FOUNDATION	126,394	-
National Science Foundation	Direct	47.049	1901867	NATIONAL SCIENCE FOUNDATION	30,625	-
National Science Foundation	Direct	47.049	1904295	NATIONAL SCIENCE FOUNDATION	131,765	-
National Science Foundation	Direct	47.049	1904655	NATIONAL SCIENCE FOUNDATION	86,874	-
National Science Foundation	Direct	47.049	1905404	NATIONAL SCIENCE FOUNDATION	(2,407)	-
National Science Foundation	Direct	47.049	1907790	NATIONAL SCIENCE FOUNDATION	211,851	-
National Science Foundation	Direct	47.049	1907898	NATIONAL SCIENCE FOUNDATION	23,661	-
National Science Foundation	Direct	47.049	1908109	NATIONAL SCIENCE FOUNDATION	14,680	-
National Science Foundation	Direct	47.049	1912183	NATIONAL SCIENCE FOUNDATION	37,758	-

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
National Science Foundation	Direct	47.049	1912706	NATIONAL SCIENCE FOUNDATION	\$ 59,473	\$ -
National Science Foundation	Direct	47.049	1912799	NATIONAL SCIENCE FOUNDATION	73,582	-
National Science Foundation	Direct	47.049	1912906	NATIONAL SCIENCE FOUNDATION	21,076	-
National Science Foundation	Direct	47.049	1913011	NATIONAL SCIENCE FOUNDATION	180,841	-
National Science Foundation	Direct	47.049	1913287	NATIONAL SCIENCE FOUNDATION	102,429	-
National Science Foundation	Direct	47.049	1913554	NATIONAL SCIENCE FOUNDATION	1,442,936	-
National Science Foundation	Direct	47.049	1915099	NATIONAL SCIENCE FOUNDATION	15,123	-
National Science Foundation	Direct	47.049	1916339	NATIONAL SCIENCE FOUNDATION	52,641	-
National Science Foundation	Direct	47.049	1916395	NATIONAL SCIENCE FOUNDATION	29,106	-
National Science Foundation	Direct	47.049	1923201	NATIONAL SCIENCE FOUNDATION	57,498	-
National Science Foundation	Direct	47.049	1936404	NATIONAL SCIENCE FOUNDATION	88,721	-
National Science Foundation	Direct	47.049	1943758	NATIONAL SCIENCE FOUNDATION	20,925	-
National Science Foundation	Direct	47.049	1951535	NATIONAL SCIENCE FOUNDATION	10,591	-
National Science Foundation	Direct	47.049	1952856	NATIONAL SCIENCE FOUNDATION	12,066	-
National Science Foundation	Direct	47.049	1953254	NATIONAL SCIENCE FOUNDATION	205,459	-
National Science Foundation	Direct	47.049	2000128	NATIONAL SCIENCE FOUNDATION	55,105	-
National Science Foundation	Direct	47.049	2001205	NATIONAL SCIENCE FOUNDATION	96,347	-
National Science Foundation	Direct	47.049	2003815	NATIONAL SCIENCE FOUNDATION	81,967	-
National Science Foundation	Direct	47.049	2004155	NATIONAL SCIENCE FOUNDATION	80,143	-
National Science Foundation	Direct	47.049	2006881	NATIONAL SCIENCE FOUNDATION	53,519	-
National Science Foundation	Direct	47.049	2008004	NATIONAL SCIENCE FOUNDATION	5,759	-
National Science Foundation	Direct	47.049	2011838	NATIONAL SCIENCE FOUNDATION	26,465	-
National Science Foundation	Direct	47.049	2012040	NATIONAL SCIENCE FOUNDATION	1,150	-
National Science Foundation	Direct	47.049	2012040	NATIONAL SCIENCE FOUNDATION	687,335	-
National Science Foundation	Direct	47.049	2012046	NATIONAL SCIENCE FOUNDATION	57,441	-
National Science Foundation	Direct	47.049	2012165	NATIONAL SCIENCE FOUNDATION	653,701	-
National Science Foundation	Direct	47.049	2012439	NATIONAL SCIENCE FOUNDATION	8,944	-
National Science Foundation	Direct	47.049	2013047	NATIONAL SCIENCE FOUNDATION	86,709	-
National Science Foundation	Direct	47.049	2013791	NATIONAL SCIENCE FOUNDATION	56,395	-
National Science Foundation	Direct	47.049	2013859	NATIONAL SCIENCE FOUNDATION	34,364	-
National Science Foundation	Direct	47.049	2017986	NATIONAL SCIENCE FOUNDATION	62,258	-
National Science Foundation	Direct	47.049	2045122	NATIONAL SCIENCE FOUNDATION	4,194	-
National Science Foundation	Direct	47.049	2052983	NATIONAL SCIENCE FOUNDATION	1,547	-
National Science Foundation	Direct	47.049	2100743	NATIONAL SCIENCE FOUNDATION	17,395	-
National Science Foundation	Direct	47.049	CHE-1382812	NATIONAL SCIENCE FOUNDATION	(35,324)	-
National Science Foundation	Direct	47.049	CHE-1565634	NATIONAL SCIENCE FOUNDATION	(5,866)	-
National Science Foundation	Direct	47.049	CHE-1900086	NATIONAL SCIENCE FOUNDATION	124,351	-
National Science Foundation	Direct	47.049	CHE-1900399	NATIONAL SCIENCE FOUNDATION	76,875	-
National Science Foundation	Direct	47.049	DMS-1852066	NATIONAL SCIENCE FOUNDATION	10,829	-
National Science Foundation	Direct	47.049	DMS-1852066	NATIONAL SCIENCE FOUNDATION	34,233	-
National Science Foundation	Direct	47.049	DMS-1907221	NATIONAL SCIENCE FOUNDATION	36,658	-
National Science Foundation	Direct	47.049	DMS-1924724	NATIONAL SCIENCE FOUNDATION	67,965	-
National Science Foundation	Direct	47.049	PHY-1350234	NATIONAL SCIENCE FOUNDATION	(2,100)	-
National Science Foundation	Direct	47.049	PHY-1350234	NATIONAL SCIENCE FOUNDATION	7,777	-
National Science Foundation	Direct	47.049	PHY-1430152	NATIONAL SCIENCE FOUNDATION	1,755,456	957,854
National Science Foundation	Direct	47.049	PHY-1565546	NATIONAL SCIENCE FOUNDATION	17,958,038	-
National Science Foundation	Direct	47.050	1443165	NATIONAL SCIENCE FOUNDATION	12,147	-
National Science Foundation	Direct	47.050	1446328	NATIONAL SCIENCE FOUNDATION	(1,081)	-
National Science Foundation	Direct	47.050	1531086	NATIONAL SCIENCE FOUNDATION	22,549	-
National Science Foundation	Direct	47.050	1551872	NATIONAL SCIENCE FOUNDATION	44,178	-
National Science Foundation	Direct	47.050	1620509	NATIONAL SCIENCE FOUNDATION	10,580	-
National Science Foundation	Direct	47.050	1629439	NATIONAL SCIENCE FOUNDATION	1,600	-
National Science Foundation	Direct	47.050	1630399	NATIONAL SCIENCE FOUNDATION	22,295	-
National Science Foundation	Direct	47.050	1638958	NATIONAL SCIENCE FOUNDATION	18,382	-
National Science Foundation	Direct	47.050	1644453	NATIONAL SCIENCE FOUNDATION	(378)	-
National Science Foundation	Direct	47.050	1664332	NATIONAL SCIENCE FOUNDATION	66,762	-
National Science Foundation	Direct	47.050	1722823	NATIONAL SCIENCE FOUNDATION	59,797	-
National Science Foundation	Direct	47.050	1751664	NATIONAL SCIENCE FOUNDATION	51,758	-
National Science Foundation	Direct	47.050	1752729	NATIONAL SCIENCE FOUNDATION	69,699	-
National Science Foundation	Direct	47.050	1802247	NATIONAL SCIENCE FOUNDATION	77,104	-
National Science Foundation	Direct	47.050	1842989	NATIONAL SCIENCE FOUNDATION	24,836	-
National Science Foundation	Direct	47.050	1842989	NATIONAL SCIENCE FOUNDATION	41,680	-
National Science Foundation	Direct	47.050	1846855	NATIONAL SCIENCE FOUNDATION	71,222	-
National Science Foundation	Direct	47.050	1850606	NATIONAL SCIENCE FOUNDATION	16,565	-
National Science Foundation	Direct	47.050	1916567	NATIONAL SCIENCE FOUNDATION	168,018	-
National Science Foundation	Direct	47.050	1917435	NATIONAL SCIENCE FOUNDATION	6,473	-
National Science Foundation	Direct	47.050	1923218	NATIONAL SCIENCE FOUNDATION	1,871	-
National Science Foundation	Direct	47.050	1928946	NATIONAL SCIENCE FOUNDATION	13,432	-
National Science Foundation	Direct	47.050	1939979	NATIONAL SCIENCE FOUNDATION	94,276	-
National Science Foundation	Direct	47.050	1942431	NATIONAL SCIENCE FOUNDATION	80,002	-
National Science Foundation	Direct	47.050	1950101	NATIONAL SCIENCE FOUNDATION	74,606	3,607
National Science Foundation	Direct	47.050	2023059	NATIONAL SCIENCE FOUNDATION	2,869	-
National Science Foundation	Direct	47.050	2023059	NATIONAL SCIENCE FOUNDATION	16,000	-
National Science Foundation	Direct	47.050	2031331	NATIONAL SCIENCE FOUNDATION	1,194	-
National Science Foundation	Direct	47.050	2033891	NATIONAL SCIENCE FOUNDATION	34,397	-
National Science Foundation	Direct	47.050	2035816	NATIONAL SCIENCE FOUNDATION	14,528	-
National Science Foundation	Direct	47.050	OCE 1829406	NATIONAL SCIENCE FOUNDATION	47,011	-
National Science Foundation	Direct	47.070	1533802	NATIONAL SCIENCE FOUNDATION	25,703	-
National Science Foundation	Direct	47.070	1615489	NATIONAL SCIENCE FOUNDATION	130,136	-
National Science Foundation	Direct	47.070	1615597	NATIONAL SCIENCE FOUNDATION	1,746	-
National Science Foundation	Direct	47.070	1615612	NATIONAL SCIENCE FOUNDATION	10,227	-
National Science Foundation	Direct	47.070	1617412	NATIONAL SCIENCE FOUNDATION	79,302	-
National Science Foundation	Direct	47.070	1617466	NATIONAL SCIENCE FOUNDATION	1,530	-
National Science Foundation	Direct	47.070	1617627	NATIONAL SCIENCE FOUNDATION	42,714	-
National Science Foundation	Direct	47.070	1617682	NATIONAL SCIENCE FOUNDATION	9,300	-
National Science Foundation	Direct	47.070	1618518	NATIONAL SCIENCE FOUNDATION	15,811	-
National Science Foundation	Direct	47.070	1622659	NATIONAL SCIENCE FOUNDATION	47,708	-
National Science Foundation	Direct	47.070	1645783	NATIONAL SCIENCE FOUNDATION	70,062	-
National Science Foundation	Direct	47.070	1714126	NATIONAL SCIENCE FOUNDATION	7,159	-
National Science Foundation	Direct	47.070	1714126	NATIONAL SCIENCE FOUNDATION	153,887	-
National Science Foundation	Direct	47.070	1714417	NATIONAL SCIENCE FOUNDATION	17,520	-
National Science Foundation	Direct	47.070	1714417	NATIONAL SCIENCE FOUNDATION	55,286	-
National Science Foundation	Direct	47.070	1714741	NATIONAL SCIENCE FOUNDATION	24,196	-
National Science Foundation	Direct	47.070	1715714	NATIONAL SCIENCE FOUNDATION	145,548	-
National Science Foundation	Direct	47.070	1715940	NATIONAL SCIENCE FOUNDATION	6,156	-
National Science Foundation	Direct	47.070	1730137	NATIONAL SCIENCE FOUNDATION	163	-
National Science Foundation	Direct	47.070	1730137	NATIONAL SCIENCE FOUNDATION	68,170	-
National Science Foundation	Direct	47.070	1734272	NATIONAL SCIENCE FOUNDATION	171,754	-
National Science Foundation	Direct	47.070	1738677	NATIONAL SCIENCE FOUNDATION	900	-
National Science Foundation	Direct	47.070	1738677	NATIONAL SCIENCE FOUNDATION	69,624	13,370

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
National Science Foundation	Direct	47.070	1749018	NATIONAL SCIENCE FOUNDATION	\$ 550	\$ -
National Science Foundation	Direct	47.070	1749018	NATIONAL SCIENCE FOUNDATION	88,985	-
National Science Foundation	Direct	47.070	1749940	NATIONAL SCIENCE FOUNDATION	82,334	-
National Science Foundation	Direct	47.070	1807822	NATIONAL SCIENCE FOUNDATION	51,237	-
National Science Foundation	Direct	47.070	1814551	NATIONAL SCIENCE FOUNDATION	75,508	-
National Science Foundation	Direct	47.070	1815636	NATIONAL SCIENCE FOUNDATION	90,304	-
National Science Foundation	Direct	47.070	1822932	NATIONAL SCIENCE FOUNDATION	215,931	-
National Science Foundation	Direct	47.070	1835267	NATIONAL SCIENCE FOUNDATION	122,869	-
National Science Foundation	Direct	47.070	1835426	NATIONAL SCIENCE FOUNDATION	207,673	-
National Science Foundation	Direct	47.070	1837146	NATIONAL SCIENCE FOUNDATION	(10,548)	-
National Science Foundation	Direct	47.070	1841517	NATIONAL SCIENCE FOUNDATION	7,805	5,035
National Science Foundation	Direct	47.070	1841590	NATIONAL SCIENCE FOUNDATION	31	-
National Science Foundation	Direct	47.070	1845081	NATIONAL SCIENCE FOUNDATION	48,172	-
National Science Foundation	Direct	47.070	1845208	NATIONAL SCIENCE FOUNDATION	73,652	-
National Science Foundation	Direct	47.070	1848945	NATIONAL SCIENCE FOUNDATION	109,324	-
National Science Foundation	Direct	47.070	1854985	NATIONAL SCIENCE FOUNDATION	128	-
National Science Foundation	Direct	47.070	1907591	NATIONAL SCIENCE FOUNDATION	19,459	-
National Science Foundation	Direct	47.070	1907704	NATIONAL SCIENCE FOUNDATION	24,022	-
National Science Foundation	Direct	47.070	1907807	NATIONAL SCIENCE FOUNDATION	59,953	-
National Science Foundation	Direct	47.070	1909177	NATIONAL SCIENCE FOUNDATION	44,275	-
National Science Foundation	Direct	47.070	1909523	NATIONAL SCIENCE FOUNDATION	90,161	-
National Science Foundation	Direct	47.070	1919154	NATIONAL SCIENCE FOUNDATION	118,787	-
National Science Foundation	Direct	47.070	1928278	NATIONAL SCIENCE FOUNDATION	479,063	-
National Science Foundation	Direct	47.070	1939368	NATIONAL SCIENCE FOUNDATION	13,256	-
National Science Foundation	Direct	47.070	1939368	NATIONAL SCIENCE FOUNDATION	92,732	-
National Science Foundation	Direct	47.070	1940059	NATIONAL SCIENCE FOUNDATION	151,129	-
National Science Foundation	Direct	47.070	1949753	NATIONAL SCIENCE FOUNDATION	107,445	-
National Science Foundation	Direct	47.070	1949912	NATIONAL SCIENCE FOUNDATION	63,750	-
National Science Foundation	Direct	47.070	1950171	NATIONAL SCIENCE FOUNDATION	77,274	-
National Science Foundation	Direct	47.070	1955285	NATIONAL SCIENCE FOUNDATION	47,363	-
National Science Foundation	Direct	47.070	2006633	NATIONAL SCIENCE FOUNDATION	107,189	-
National Science Foundation	Direct	47.070	2006661	NATIONAL SCIENCE FOUNDATION	37,355	-
National Science Foundation	Direct	47.070	2006800	NATIONAL SCIENCE FOUNDATION	3,095	-
National Science Foundation	Direct	47.070	2006800	NATIONAL SCIENCE FOUNDATION	70,754	-
National Science Foundation	Direct	47.070	2007159	NATIONAL SCIENCE FOUNDATION	2,547	-
National Science Foundation	Direct	47.070	2007159	NATIONAL SCIENCE FOUNDATION	30,277	-
National Science Foundation	Direct	47.070	2018432	NATIONAL SCIENCE FOUNDATION	401,851	-
National Science Foundation	Direct	47.070	2028626	NATIONAL SCIENCE FOUNDATION	132,359	-
National Science Foundation	Direct	47.070	2100112	NATIONAL SCIENCE FOUNDATION	111,330	-
National Science Foundation	Direct	47.070	2100989	NATIONAL SCIENCE FOUNDATION	30,552	-
National Science Foundation	Direct	47.070	2102106	NATIONAL SCIENCE FOUNDATION	64,740	-
National Science Foundation	Direct	47.070	2113618	NATIONAL SCIENCE FOUNDATION	57,628	-
National Science Foundation	Direct	47.070	CCF-1422282	NATIONAL SCIENCE FOUNDATION	(248)	-
National Science Foundation	Direct	47.070	CNS 1502462	NATIONAL SCIENCE FOUNDATION	60,788	-
National Science Foundation	Direct	47.070	CNS-1405273	NATIONAL SCIENCE FOUNDATION	12,519	-
National Science Foundation	Direct	47.070	CNS-1502462	NATIONAL SCIENCE FOUNDATION	21,000	-
National Science Foundation	Direct	47.070	CNS-1524296	NATIONAL SCIENCE FOUNDATION	72,696	-
National Science Foundation	Direct	47.070	IIS-1350253	NATIONAL SCIENCE FOUNDATION	(744)	-
National Science Foundation	Direct	47.070	IIS-1350253	NATIONAL SCIENCE FOUNDATION	14,047	-
National Science Foundation	Direct	47.070	IIS-1452479	NATIONAL SCIENCE FOUNDATION	67,849	-
National Science Foundation	Direct	47.070	IIS-1900473	NATIONAL SCIENCE FOUNDATION	108,466	-
National Science Foundation	Direct	47.070	OAC-1835144	NATIONAL SCIENCE FOUNDATION	312,626	117,907
National Science Foundation	Direct	47.074	0939454	NATIONAL SCIENCE FOUNDATION	11,040	-
National Science Foundation	Direct	47.074	0939454	NATIONAL SCIENCE FOUNDATION	25,200	-
National Science Foundation	Direct	47.074	1340812	NATIONAL SCIENCE FOUNDATION	194,913	-
National Science Foundation	Direct	47.074	1444499	NATIONAL SCIENCE FOUNDATION	7,180	-
National Science Foundation	Direct	47.074	1444499	NATIONAL SCIENCE FOUNDATION	10,798	-
National Science Foundation	Direct	47.074	1444499	NATIONAL SCIENCE FOUNDATION	413,788	232,853
National Science Foundation	Direct	47.074	1455405	NATIONAL SCIENCE FOUNDATION	1,072	-
National Science Foundation	Direct	47.074	1546617	NATIONAL SCIENCE FOUNDATION	126,852	-
National Science Foundation	Direct	47.074	1546617	NATIONAL SCIENCE FOUNDATION	193,941	-
National Science Foundation	Direct	47.074	1546617	NATIONAL SCIENCE FOUNDATION	223,282	-
National Science Foundation	Direct	47.074	1546617	NATIONAL SCIENCE FOUNDATION	603,597	362,750
National Science Foundation	Direct	47.074	1546657	NATIONAL SCIENCE FOUNDATION	1,117	-
National Science Foundation	Direct	47.074	1546657	NATIONAL SCIENCE FOUNDATION	10,747	-
National Science Foundation	Direct	47.074	1546657	NATIONAL SCIENCE FOUNDATION	130,022	-
National Science Foundation	Direct	47.074	1546657	NATIONAL SCIENCE FOUNDATION	522,364	277,570
National Science Foundation	Direct	47.074	1550986	NATIONAL SCIENCE FOUNDATION	35,471	-
National Science Foundation	Direct	47.074	1557324	NATIONAL SCIENCE FOUNDATION	15,384	-
National Science Foundation	Direct	47.074	1557324	NATIONAL SCIENCE FOUNDATION	142,604	-
National Science Foundation	Direct	47.074	1557437	NATIONAL SCIENCE FOUNDATION	163,234	-
National Science Foundation	Direct	47.074	1557657	NATIONAL SCIENCE FOUNDATION	76,448	-
National Science Foundation	Direct	47.074	1600556	NATIONAL SCIENCE FOUNDATION	4,034	-
National Science Foundation	Direct	47.074	1638679	NATIONAL SCIENCE FOUNDATION	5,098	-
National Science Foundation	Direct	47.074	1638679	NATIONAL SCIENCE FOUNDATION	322,596	-
National Science Foundation	Direct	47.074	1638778	NATIONAL SCIENCE FOUNDATION	165,046	-
National Science Foundation	Direct	47.074	1644965	NATIONAL SCIENCE FOUNDATION	5,966	-
National Science Foundation	Direct	47.074	1644965	NATIONAL SCIENCE FOUNDATION	236,341	92,814
National Science Foundation	Direct	47.074	1655386	NATIONAL SCIENCE FOUNDATION	39,920	-
National Science Foundation	Direct	47.074	1655386	NATIONAL SCIENCE FOUNDATION	56,265	-
National Science Foundation	Direct	47.074	1655392	NATIONAL SCIENCE FOUNDATION	1,868	-
National Science Foundation	Direct	47.074	1655392	NATIONAL SCIENCE FOUNDATION	38,213	-
National Science Foundation	Direct	47.074	1655394	NATIONAL SCIENCE FOUNDATION	40,297	-
National Science Foundation	Direct	47.074	1655715	NATIONAL SCIENCE FOUNDATION	94,351	-
National Science Foundation	Direct	47.074	1702379	NATIONAL SCIENCE FOUNDATION	51,997	-
National Science Foundation	Direct	47.074	1702635	NATIONAL SCIENCE FOUNDATION	68,720	-
National Science Foundation	Direct	47.074	1714093	NATIONAL SCIENCE FOUNDATION	59,680	-
National Science Foundation	Direct	47.074	1714561	NATIONAL SCIENCE FOUNDATION	6,612	-
National Science Foundation	Direct	47.074	1714561	NATIONAL SCIENCE FOUNDATION	87,859	-
National Science Foundation	Direct	47.074	1714612	NATIONAL SCIENCE FOUNDATION	93,007	-
National Science Foundation	Direct	47.074	1719376	NATIONAL SCIENCE FOUNDATION	45	-
National Science Foundation	Direct	47.074	1719376	NATIONAL SCIENCE FOUNDATION	151,668	-
National Science Foundation	Direct	47.074	1733633	NATIONAL SCIENCE FOUNDATION	44,694	-
National Science Foundation	Direct	47.074	1733633	NATIONAL SCIENCE FOUNDATION	115,629	-
National Science Foundation	Direct	47.074	1733633	NATIONAL SCIENCE FOUNDATION	1,145,119	506,867
National Science Foundation	Direct	47.074	1737898	NATIONAL SCIENCE FOUNDATION	140,948	-
National Science Foundation	Direct	47.074	1740874	NATIONAL SCIENCE FOUNDATION	42,922	-
National Science Foundation	Direct	47.074	1740874	NATIONAL SCIENCE FOUNDATION	161,724	-
National Science Foundation	Direct	47.074	1740874	NATIONAL SCIENCE FOUNDATION	256,719	112,678
National Science Foundation	Direct	47.074	1749544	NATIONAL SCIENCE FOUNDATION	27,514	-

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
National Science Foundation	Direct	47.074	1749544	NATIONAL SCIENCE FOUNDATION	\$ 47,959	\$ -
National Science Foundation	Direct	47.074	1750003	NATIONAL SCIENCE FOUNDATION	2,978	-
National Science Foundation	Direct	47.074	1750125	NATIONAL SCIENCE FOUNDATION	164,054	19,520
National Science Foundation	Direct	47.074	1754250	NATIONAL SCIENCE FOUNDATION	150,329	-
National Science Foundation	Direct	47.074	1754357	NATIONAL SCIENCE FOUNDATION	102,562	-
National Science Foundation	Direct	47.074	1754484	NATIONAL SCIENCE FOUNDATION	44,153	-
National Science Foundation	Direct	47.074	1755089	NATIONAL SCIENCE FOUNDATION	156,448	-
National Science Foundation	Direct	47.074	1757043	NATIONAL SCIENCE FOUNDATION	11,351	-
National Science Foundation	Direct	47.074	1757043	NATIONAL SCIENCE FOUNDATION	52,500	-
National Science Foundation	Direct	47.074	1757530	NATIONAL SCIENCE FOUNDATION	111,105	-
National Science Foundation	Direct	47.074	1759729	NATIONAL SCIENCE FOUNDATION	81,000	-
National Science Foundation	Direct	47.074	1759892	NATIONAL SCIENCE FOUNDATION	192,545	-
National Science Foundation	Direct	47.074	1817307	NATIONAL SCIENCE FOUNDATION	228,461	-
National Science Foundation	Direct	47.074	1817324	NATIONAL SCIENCE FOUNDATION	211,422	-
National Science Foundation	Direct	47.074	1817347	NATIONAL SCIENCE FOUNDATION	3,500	-
National Science Foundation	Direct	47.074	1817347	NATIONAL SCIENCE FOUNDATION	98,284	-
National Science Foundation	Direct	47.074	1817377	NATIONAL SCIENCE FOUNDATION	132,253	-
National Science Foundation	Direct	47.074	1822254	NATIONAL SCIENCE FOUNDATION	(12,188)	7,225
National Science Foundation	Direct	47.074	1831164	NATIONAL SCIENCE FOUNDATION	23,885	-
National Science Foundation	Direct	47.074	1831164	NATIONAL SCIENCE FOUNDATION	80,334	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	(14,966)	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	5,582	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	13,691	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	16,200	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	33,378	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	36,472	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	57,718	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	60,677	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	65,941	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	70,098	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	73,515	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	150,616	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	530,544	-
National Science Foundation	Direct	47.074	1841251	NATIONAL SCIENCE FOUNDATION	163,214	-
National Science Foundation	Direct	47.074	1845463	NATIONAL SCIENCE FOUNDATION	75,188	-
National Science Foundation	Direct	47.074	1855927	NATIONAL SCIENCE FOUNDATION	266,727	97,837
National Science Foundation	Direct	47.074	1856243	NATIONAL SCIENCE FOUNDATION	1,261	-
National Science Foundation	Direct	47.074	1856243	NATIONAL SCIENCE FOUNDATION	158,942	-
National Science Foundation	Direct	47.074	1901958	NATIONAL SCIENCE FOUNDATION	44,104	-
National Science Foundation	Direct	47.074	1911457	NATIONAL SCIENCE FOUNDATION	441,707	288,199
National Science Foundation	Direct	47.074	1913501	NATIONAL SCIENCE FOUNDATION	97,707	-
National Science Foundation	Direct	47.074	1919439	NATIONAL SCIENCE FOUNDATION	242,875	-
National Science Foundation	Direct	47.074	1924111	NATIONAL SCIENCE FOUNDATION	158,681	20,534
National Science Foundation	Direct	47.074	1926567	NATIONAL SCIENCE FOUNDATION	159,797	-
National Science Foundation	Direct	47.074	1935047	NATIONAL SCIENCE FOUNDATION	197,754	-
National Science Foundation	Direct	47.074	1935089	NATIONAL SCIENCE FOUNDATION	138,495	-
National Science Foundation	Direct	47.074	1942143	NATIONAL SCIENCE FOUNDATION	13,391	-
National Science Foundation	Direct	47.074	1946445	NATIONAL SCIENCE FOUNDATION	140,612	62,732
National Science Foundation	Direct	47.074	1949911	NATIONAL SCIENCE FOUNDATION	148,683	-
National Science Foundation	Direct	47.074	1950080	NATIONAL SCIENCE FOUNDATION	167,222	47,936
National Science Foundation	Direct	47.074	1950376	NATIONAL SCIENCE FOUNDATION	325	-
National Science Foundation	Direct	47.074	1950376	NATIONAL SCIENCE FOUNDATION	9,360	-
National Science Foundation	Direct	47.074	1950376	NATIONAL SCIENCE FOUNDATION	15,671	-
National Science Foundation	Direct	47.074	1950376	NATIONAL SCIENCE FOUNDATION	21,529	-
National Science Foundation	Direct	47.074	1950376	NATIONAL SCIENCE FOUNDATION	46,590	-
National Science Foundation	Direct	47.074	1950376	NATIONAL SCIENCE FOUNDATION	97,751	-
National Science Foundation	Direct	47.074	1950376	NATIONAL SCIENCE FOUNDATION	244,592	-
National Science Foundation	Direct	47.074	1951025	NATIONAL SCIENCE FOUNDATION	151,173	20,342
National Science Foundation	Direct	47.074	1951307	NATIONAL SCIENCE FOUNDATION	46,092	-
National Science Foundation	Direct	47.074	1953014	NATIONAL SCIENCE FOUNDATION	26,483	-
National Science Foundation	Direct	47.074	1954406	NATIONAL SCIENCE FOUNDATION	12,020	-
National Science Foundation	Direct	47.074	2015843	NATIONAL SCIENCE FOUNDATION	66,220	-
National Science Foundation	Direct	47.074	2016437	NATIONAL SCIENCE FOUNDATION	15,064	-
National Science Foundation	Direct	47.074	2016569	NATIONAL SCIENCE FOUNDATION	60,580	19,777
National Science Foundation	Direct	47.074	2018296	NATIONAL SCIENCE FOUNDATION	17,899	-
National Science Foundation	Direct	47.074	2022495	NATIONAL SCIENCE FOUNDATION	65,046	-
National Science Foundation	Direct	47.074	2029216	NATIONAL SCIENCE FOUNDATION	96,331	-
National Science Foundation	Direct	47.074	2029959	NATIONAL SCIENCE FOUNDATION	197	-
National Science Foundation	Direct	47.074	2029959	NATIONAL SCIENCE FOUNDATION	144,677	-
National Science Foundation	Direct	47.074	2030337	NATIONAL SCIENCE FOUNDATION	70,998	-
National Science Foundation	Direct	47.074	2034631	NATIONAL SCIENCE FOUNDATION	59,040	-
National Science Foundation	Direct	47.074	2035472	NATIONAL SCIENCE FOUNDATION	8,037	-
National Science Foundation	Direct	47.074	2042908	NATIONAL SCIENCE FOUNDATION	6,157	-
National Science Foundation	Direct	47.074	2044293	NATIONAL SCIENCE FOUNDATION	93,240	-
National Science Foundation	Direct	47.074	2045651	NATIONAL SCIENCE FOUNDATION	7,951	-
National Science Foundation	Direct	47.074	2051885	NATIONAL SCIENCE FOUNDATION	52,311	-
National Science Foundation	Direct	47.074	DBI-0939454	NATIONAL SCIENCE FOUNDATION	842,254	634,910
National Science Foundation	Direct	47.074	DBI-1846913	NATIONAL SCIENCE FOUNDATION	86,018	-
National Science Foundation	Direct	47.074	DEB-1354414	NATIONAL SCIENCE FOUNDATION	25,422	25,422
National Science Foundation	Direct	47.074	DEB-1451740	NATIONAL SCIENCE FOUNDATION	302	-
National Science Foundation	Direct	47.074	DEB-1552197	NATIONAL SCIENCE FOUNDATION	4,742	-
National Science Foundation	Direct	47.074	DEB-1552197	NATIONAL SCIENCE FOUNDATION	148,027	-
National Science Foundation	Direct	47.074	DEB-1655425	NATIONAL SCIENCE FOUNDATION	30,767	-
National Science Foundation	Direct	47.074	DEB-1904267	NATIONAL SCIENCE FOUNDATION	7,753	-
National Science Foundation	Direct	47.074	DEB-1937699	NATIONAL SCIENCE FOUNDATION	(1,963)	-
National Science Foundation	Direct	47.074	DEB-1937699	NATIONAL SCIENCE FOUNDATION	1,012	-
National Science Foundation	Direct	47.074	EF-1253225	NATIONAL SCIENCE FOUNDATION	33,407	-
National Science Foundation	Direct	47.074	EF-1340812	NATIONAL SCIENCE FOUNDATION	5,627	-
National Science Foundation	Direct	47.074	IOS-1350772	NATIONAL SCIENCE FOUNDATION	2,150	-
National Science Foundation	Direct	47.074	IOS-1350772	NATIONAL SCIENCE FOUNDATION	141,882	-
National Science Foundation	Direct	47.074	IOS-1847193	NATIONAL SCIENCE FOUNDATION	194,780	-
National Science Foundation	Direct	47.074	IOS-1929982	NATIONAL SCIENCE FOUNDATION	10,373	-
National Science Foundation	Direct	47.074	IOS-1929982	NATIONAL SCIENCE FOUNDATION	58,953	-
National Science Foundation	Direct	47.074	IOS-1929982	NATIONAL SCIENCE FOUNDATION	441,817	-
National Science Foundation	Direct	47.074	MCB-1515002	NATIONAL SCIENCE FOUNDATION	1,647	-
National Science Foundation	Direct	47.074	MCB-1515002	NATIONAL SCIENCE FOUNDATION	139,259	-
National Science Foundation	Direct	47.074	MCB-1515169	NATIONAL SCIENCE FOUNDATION	123	-
National Science Foundation	Direct	47.074	MCB-1515169	NATIONAL SCIENCE FOUNDATION	522	-
National Science Foundation	Direct	47.075	1533947	NATIONAL SCIENCE FOUNDATION	(5,040)	-
National Science Foundation	Direct	47.075	1533947	NATIONAL SCIENCE FOUNDATION	484	-

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
National Science Foundation	Direct	47.075	1540314	NATIONAL SCIENCE FOUNDATION	\$ 13,916	\$ 13,916
National Science Foundation	Direct	47.075	1556270	NATIONAL SCIENCE FOUNDATION	29,179	-
National Science Foundation	Direct	47.075	1560846	NATIONAL SCIENCE FOUNDATION	3,258	-
National Science Foundation	Direct	47.075	1560846	NATIONAL SCIENCE FOUNDATION	224,391	-
National Science Foundation	Direct	47.075	1630982	NATIONAL SCIENCE FOUNDATION	35,566	-
National Science Foundation	Direct	47.075	1654929	NATIONAL SCIENCE FOUNDATION	28,958	2,838
National Science Foundation	Direct	47.075	1728923	NATIONAL SCIENCE FOUNDATION	15,080	-
National Science Foundation	Direct	47.075	1734063	NATIONAL SCIENCE FOUNDATION	598	-
National Science Foundation	Direct	47.075	1734063	NATIONAL SCIENCE FOUNDATION	27,255	-
National Science Foundation	Direct	47.075	1734237	NATIONAL SCIENCE FOUNDATION	56,883	-
National Science Foundation	Direct	47.075	1756092	NATIONAL SCIENCE FOUNDATION	48,893	-
National Science Foundation	Direct	47.075	1759528	NATIONAL SCIENCE FOUNDATION	41,773	24,281
National Science Foundation	Direct	47.075	1823889	NATIONAL SCIENCE FOUNDATION	113,125	36,207
National Science Foundation	Direct	47.075	1826773	NATIONAL SCIENCE FOUNDATION	11,215	-
National Science Foundation	Direct	47.075	1826911	NATIONAL SCIENCE FOUNDATION	152,987	-
National Science Foundation	Direct	47.075	1844694	NATIONAL SCIENCE FOUNDATION	1,015	-
National Science Foundation	Direct	47.075	1851625	NATIONAL SCIENCE FOUNDATION	(1)	-
National Science Foundation	Direct	47.075	1904083	NATIONAL SCIENCE FOUNDATION	14,157	-
National Science Foundation	Direct	47.075	1918411	NATIONAL SCIENCE FOUNDATION	92,525	-
National Science Foundation	Direct	47.075	1920557-SES	NATIONAL SCIENCE FOUNDATION	174,068	-
National Science Foundation	Direct	47.075	1928422	NATIONAL SCIENCE FOUNDATION	(1,208)	-
National Science Foundation	Direct	47.075	1946678	NATIONAL SCIENCE FOUNDATION	930	869
National Science Foundation	Direct	47.075	1949083	NATIONAL SCIENCE FOUNDATION	214,413	-
National Science Foundation	Direct	47.075	2016320	NATIONAL SCIENCE FOUNDATION	67,796	-
National Science Foundation	Direct	47.075	2017180	NATIONAL SCIENCE FOUNDATION	54,110	-
National Science Foundation	Direct	47.075	2017311	NATIONAL SCIENCE FOUNDATION	31,968	-
National Science Foundation	Direct	47.075	2018267	NATIONAL SCIENCE FOUNDATION	1,664	-
National Science Foundation	Direct	47.075	2019995	NATIONAL SCIENCE FOUNDATION	19,332	-
National Science Foundation	Direct	47.075	2020825	NATIONAL SCIENCE FOUNDATION	18,838	-
National Science Foundation	Direct	47.075	2024238	NATIONAL SCIENCE FOUNDATION	57,687	-
National Science Foundation	Direct	47.075	2029633	NATIONAL SCIENCE FOUNDATION	183,287	-
National Science Foundation	Direct	47.075	2039814	NATIONAL SCIENCE FOUNDATION	23,822	-
National Science Foundation	Direct	47.075	2041242	NATIONAL SCIENCE FOUNDATION	71,164	-
National Science Foundation	Direct	47.075	BCS-1656133	NATIONAL SCIENCE FOUNDATION	13,449	-
National Science Foundation	Direct	47.075	BCS-1848972	NATIONAL SCIENCE FOUNDATION	225,273	-
National Science Foundation	Direct	47.075	BCS-1900108	NATIONAL SCIENCE FOUNDATION	(2,575)	-
National Science Foundation	Direct	47.075	COVID-19 - 2028409	NATIONAL SCIENCE FOUNDATION	27,544	-
National Science Foundation	Direct	47.075	COVID-19 - 2028576	NATIONAL SCIENCE FOUNDATION	15,907	-
National Science Foundation	Direct	47.075	SES-1449466	NATIONAL SCIENCE FOUNDATION	52,101	21,950
National Science Foundation	Direct	47.075	SES-1851928	NATIONAL SCIENCE FOUNDATION	153,547	142,190
National Science Foundation	Direct	47.075	SES-1920409	NATIONAL SCIENCE FOUNDATION	49,713	-
National Science Foundation	Direct	47.075	SMA-1416730	NATIONAL SCIENCE FOUNDATION	1,905	-
National Science Foundation	Direct	47.076	1340048	NATIONAL SCIENCE FOUNDATION	89,911	-
National Science Foundation	Direct	47.076	1503211	NATIONAL SCIENCE FOUNDATION	4,744	-
National Science Foundation	Direct	47.076	1503211	NATIONAL SCIENCE FOUNDATION	53,891	-
National Science Foundation	Direct	47.076	1524128	NATIONAL SCIENCE FOUNDATION	53,755	-
National Science Foundation	Direct	47.076	1561122	NATIONAL SCIENCE FOUNDATION	42,448	-
National Science Foundation	Direct	47.076	1561159	NATIONAL SCIENCE FOUNDATION	65,559	-
National Science Foundation	Direct	47.076	1564745	NATIONAL SCIENCE FOUNDATION	22,352	-
National Science Foundation	Direct	47.076	1564745	NATIONAL SCIENCE FOUNDATION	45,767	-
National Science Foundation	Direct	47.076	1620580	NATIONAL SCIENCE FOUNDATION	293,893	-
National Science Foundation	Direct	47.076	1620746	NATIONAL SCIENCE FOUNDATION	880	-
National Science Foundation	Direct	47.076	1620746	NATIONAL SCIENCE FOUNDATION	195,896	-
National Science Foundation	Direct	47.076	1620934	NATIONAL SCIENCE FOUNDATION	1,000	-
National Science Foundation	Direct	47.076	1620934	NATIONAL SCIENCE FOUNDATION	171,904	-
National Science Foundation	Direct	47.076	1623824	NATIONAL SCIENCE FOUNDATION	30,060	-
National Science Foundation	Direct	47.076	1643723	NATIONAL SCIENCE FOUNDATION	45,947	-
National Science Foundation	Direct	47.076	1643723	NATIONAL SCIENCE FOUNDATION	165,000	-
National Science Foundation	Direct	47.076	1643833	NATIONAL SCIENCE FOUNDATION	51,600	-
National Science Foundation	Direct	47.076	1643833	NATIONAL SCIENCE FOUNDATION	111,927	-
National Science Foundation	Direct	47.076	1646869	NATIONAL SCIENCE FOUNDATION	50,145	-
National Science Foundation	Direct	47.076	1660643	NATIONAL SCIENCE FOUNDATION	90,262	-
National Science Foundation	Direct	47.076	1661064	NATIONAL SCIENCE FOUNDATION	138,923	-
National Science Foundation	Direct	47.076	1661236	NATIONAL SCIENCE FOUNDATION	53,209	-
National Science Foundation	Direct	47.076	1702592	NATIONAL SCIENCE FOUNDATION	415	-
National Science Foundation	Direct	47.076	1708506	NATIONAL SCIENCE FOUNDATION	10,842	-
National Science Foundation	Direct	47.076	1708664	NATIONAL SCIENCE FOUNDATION	2,312	-
National Science Foundation	Direct	47.076	1711260	NATIONAL SCIENCE FOUNDATION	33,367	-
National Science Foundation	Direct	47.076	1713060	NATIONAL SCIENCE FOUNDATION	137,239	8,187
National Science Foundation	Direct	47.076	1713197	NATIONAL SCIENCE FOUNDATION	92,622	-
National Science Foundation	Direct	47.076	1719950	NATIONAL SCIENCE FOUNDATION	4,947	-
National Science Foundation	Direct	47.076	1725320	NATIONAL SCIENCE FOUNDATION	265,030	46,738
National Science Foundation	Direct	47.076	1725520	NATIONAL SCIENCE FOUNDATION	254,120	-
National Science Foundation	Direct	47.076	1725521	NATIONAL SCIENCE FOUNDATION	167,765	-
National Science Foundation	Direct	47.076	1725910	NATIONAL SCIENCE FOUNDATION	200,939	-
National Science Foundation	Direct	47.076	1725956	NATIONAL SCIENCE FOUNDATION	103,887	-
National Science Foundation	Direct	47.076	1741575	NATIONAL SCIENCE FOUNDATION	1,171	-
National Science Foundation	Direct	47.076	1741575	NATIONAL SCIENCE FOUNDATION	284,488	58,836
National Science Foundation	Direct	47.076	1742381	NATIONAL SCIENCE FOUNDATION	96,750	-
National Science Foundation	Direct	47.076	1742381	NATIONAL SCIENCE FOUNDATION	472,043	278,106
National Science Foundation	Direct	47.076	1811855	NATIONAL SCIENCE FOUNDATION	54,323	-
National Science Foundation	Direct	47.076	1813047	NATIONAL SCIENCE FOUNDATION	149,916	-
National Science Foundation	Direct	47.076	1835946	NATIONAL SCIENCE FOUNDATION	845	-
National Science Foundation	Direct	47.076	1835946	NATIONAL SCIENCE FOUNDATION	77,477	9,152
National Science Foundation	Direct	47.076	1842037	NATIONAL SCIENCE FOUNDATION	9,850	-
National Science Foundation	Direct	47.076	1842037	NATIONAL SCIENCE FOUNDATION	321,093	-
National Science Foundation	Direct	47.076	1848739	NATIONAL SCIENCE FOUNDATION	1,480,570	-
National Science Foundation	Direct	47.076	1907506	NATIONAL SCIENCE FOUNDATION	6,787	-
National Science Foundation	Direct	47.076	1907506	NATIONAL SCIENCE FOUNDATION	255,255	5,118
National Science Foundation	Direct	47.076	1908094	NATIONAL SCIENCE FOUNDATION	7,151	3,505
National Science Foundation	Direct	47.076	1908165	NATIONAL SCIENCE FOUNDATION	40,888	-
National Science Foundation	Direct	47.076	1914722	NATIONAL SCIENCE FOUNDATION	22,272	-
National Science Foundation	Direct	47.076	1933933	NATIONAL SCIENCE FOUNDATION	439,714	238,424
National Science Foundation	Direct	47.076	1954767	NATIONAL SCIENCE FOUNDATION	100,268	-
National Science Foundation	Direct	47.076	2000021	NATIONAL SCIENCE FOUNDATION	40,351	-
National Science Foundation	Direct	47.076	2000605	NATIONAL SCIENCE FOUNDATION	24,916	-
National Science Foundation	Direct	47.076	2012014	NATIONAL SCIENCE FOUNDATION	82,095	-
National Science Foundation	Direct	47.076	2012933	NATIONAL SCIENCE FOUNDATION	56,976	-
National Science Foundation	Direct	47.076	2013144	NATIONAL SCIENCE FOUNDATION	4,763	-
National Science Foundation	Direct	47.076	2013286	NATIONAL SCIENCE FOUNDATION	61,900	-

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
National Science Foundation	Direct	47.076	2020221	NATIONAL SCIENCE FOUNDATION	\$ 11,149	\$ -
National Science Foundation	Direct	47.076	2025244	NATIONAL SCIENCE FOUNDATION	8,976	-
National Science Foundation	Direct	47.076	COVID-19 - 2007842	NATIONAL SCIENCE FOUNDATION	157,536	29,400
National Science Foundation	Direct	47.076	DGE-1828149	NATIONAL SCIENCE FOUNDATION	69,607	10,251
National Science Foundation	Direct	47.076	DGE-1828149	NATIONAL SCIENCE FOUNDATION	453,107	-
National Science Foundation	Direct	47.076	DRL-1253036	NATIONAL SCIENCE FOUNDATION	(225)	-
National Science Foundation	Direct	47.076	DRL-1253036	NATIONAL SCIENCE FOUNDATION	12,576	-
National Science Foundation	Direct	47.076	DRL-1417672	NATIONAL SCIENCE FOUNDATION	15,303	-
National Science Foundation	Direct	47.076	DRL-1417900	NATIONAL SCIENCE FOUNDATION	3,538	-
National Science Foundation	Direct	47.076	DRL-1417900	NATIONAL SCIENCE FOUNDATION	7,500	-
National Science Foundation	Direct	47.076	DRL-1440988	NATIONAL SCIENCE FOUNDATION	170,681	60,221
National Science Foundation	Direct	47.076	DRL-1502755	NATIONAL SCIENCE FOUNDATION	83,684	79,551
National Science Foundation	Direct	47.076	DRL-1660926	NATIONAL SCIENCE FOUNDATION	2,450	-
National Science Foundation	Direct	47.076	DRL-1660926	NATIONAL SCIENCE FOUNDATION	414,121	306,657
National Science Foundation	Direct	47.076	DUE-1323162	NATIONAL SCIENCE FOUNDATION	525,509	71,397
National Science Foundation	Direct	47.076	DUE-1340048	NATIONAL SCIENCE FOUNDATION	55,507	-
National Science Foundation	Direct	47.076	DUE-1431725	NATIONAL SCIENCE FOUNDATION	45,877	16,320
National Science Foundation	Direct	47.076	DUE-1432563	NATIONAL SCIENCE FOUNDATION	41,664	-
National Science Foundation	Direct	47.076	DUE-1432563	NATIONAL SCIENCE FOUNDATION	731,627	-
National Science Foundation	Direct	47.076	DUE-1913698	NATIONAL SCIENCE FOUNDATION	12,740	-
National Science Foundation	Direct	47.076	FELLOWSHIPS	NATIONAL SCIENCE FOUNDATION	14,641	-
National Science Foundation	Direct	47.076	HRD-1305819	NATIONAL SCIENCE FOUNDATION	(11)	-
National Science Foundation	Direct	47.079	1556407	NATIONAL SCIENCE FOUNDATION	1	-
National Science Foundation	Direct	47.079	1556407	NATIONAL SCIENCE FOUNDATION	11	-
National Science Foundation	Direct	47.079	1853934	NATIONAL SCIENCE FOUNDATION	28,286	-
National Science Foundation	Direct	47.079	1853934	NATIONAL SCIENCE FOUNDATION	40,220	-
National Science Foundation	Direct	47.079	1927130	NATIONAL SCIENCE FOUNDATION	(1,092)	-
National Science Foundation	Direct	47.079	1927130	NATIONAL SCIENCE FOUNDATION	60,183	-
National Science Foundation	Direct	47.079	1952438	NATIONAL SCIENCE FOUNDATION	12,670	-
National Science Foundation	Direct	47.079	2040027	NATIONAL SCIENCE FOUNDATION	36,222	-
National Science Foundation	Direct	47.079	OISE-1545684	NATIONAL SCIENCE FOUNDATION	9,438	-
National Science Foundation	Direct	47.079	OISE-1545684	NATIONAL SCIENCE FOUNDATION	129,289	-
National Science Foundation	Direct	47.083	1934348	NATIONAL SCIENCE FOUNDATION	29,211	-
National Science Foundation	Direct	47.083	1934348	NATIONAL SCIENCE FOUNDATION	125,826	-
National Science Foundation	Direct	47.083	1936857	NATIONAL SCIENCE FOUNDATION	124,047	-
National Science Foundation	Direct	47.083	1954196	NATIONAL SCIENCE FOUNDATION	49,698	-
National Science Foundation	Direct	47.083	2020790	NATIONAL SCIENCE FOUNDATION	125,713	-
National Science Foundation	Direct	47.083	2114321	NATIONAL SCIENCE FOUNDATION	48,921	-
National Science Foundation	Direct	47.083	2119916	NATIONAL SCIENCE FOUNDATION	4,743	-
	Direct Total				69,573,707	5,710,673
National Science Foundation	Pass-through	47.RD	2019012233	UNIVERSITY OF MISSOURI	3,858	-
National Science Foundation	Pass-through	47.RD	2020-08-01	NORTH DAKOTA STATE UNIV	374	-
National Science Foundation	Pass-through	47.RD	4558	SRI INTL	4,220	-
National Science Foundation	Pass-through	47.041	445524-19057	VIRGINIA TECH	9,837	-
National Science Foundation	Pass-through	47.041	97055-23714201	UNIVERSITY OF MARYLAND	59,986	-
National Science Foundation	Pass-through	47.041	E204620-3	GEORGE MASON UNIV	554	-
National Science Foundation	Pass-through	47.041	G-01151-1	COLORADO STATE UNIV	4,464	-
National Science Foundation	Pass-through	47.049	000000295	UNIVERSITY OF WISCONSIN MADISON	734,111	-
National Science Foundation	Pass-through	47.049	096721-18001	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	8,783	-
National Science Foundation	Pass-through	47.049	20(GG016228)	COLUMBIA UNIV	18,891	-
National Science Foundation	Pass-through	47.049	2003349346	JOHNS HOPKINS UNIV	7,189	-
National Science Foundation	Pass-through	47.049	21(GG016228)	COLUMBIA UNIV	237,157	-
National Science Foundation	Pass-through	47.049	22(GG016228)	COLUMBIA UNIV	301,277	-
National Science Foundation	Pass-through	47.049	23(GG016228)	COLUMBIA UNIV	131,272	-
National Science Foundation	Pass-through	47.049	3004423504	UNIVERSITY OF MICHIGAN	491,910	-
National Science Foundation	Pass-through	47.049	60051551 MSU	NORTHWESTERN UNIV	109,724	-
National Science Foundation	Pass-through	47.049	76749/1136652/2R&D	THE RESEARCH FOUNDATION FOR THE STATE UNIV OF NEW YORK	10,843	-
National Science Foundation	Pass-through	47.049	76749/1136652/2R&D	THE RESEARCH FOUNDATION FOR THE STATE UNIV OF NEW YORK	34,988	-
National Science Foundation	Pass-through	47.049	76749-1136652-2	THE RESEARCH FOUNDATION FOR THE STATE UNIV OF NEW YORK	467,606	-
National Science Foundation	Pass-through	47.049	855K805	UNIVERSITY OF WISCONSIN MADISON	567,873	-
National Science Foundation	Pass-through	47.049	R3H451	RICE UNIV	64,600	-
National Science Foundation	Pass-through	47.050	021665C	IOWA STATE UNIV	3,089	-
National Science Foundation	Pass-through	47.050	10010192-MSU01	BOWLING GREEN STATE UNIVERSITY	96,098	-
National Science Foundation	Pass-through	47.050	3004146006	UNIVERSITY OF MICHIGAN	85,850	-
National Science Foundation	Pass-through	47.050	479483-19057	VIRGINIA TECH	370	-
National Science Foundation	Pass-through	47.050	675K964	UNIVERSITY OF WISCONSIN MADISON	39,247	-
National Science Foundation	Pass-through	47.050	AWD100221 (SUB00000492)	UNIVERSITY OF CHICAGO	18,719	-
National Science Foundation	Pass-through	47.050	MSU-NSF-CALMV	NORTHERN MICHIGAN UNIV	50,492	-
National Science Foundation	Pass-through	47.050	UAF19-0083	UNIVERSITY OF ALASKA	67,183	-
National Science Foundation	Pass-through	47.070	067846-17490	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	1,044	-
National Science Foundation	Pass-through	47.070	16-800-MSU-1	WEST VIRGINIA UNIVERSITY RESEARCH CORP	34,232	-
National Science Foundation	Pass-through	47.070	16-800-MSU-3	WEST VIRGINIA UNIV	22,806	-
National Science Foundation	Pass-through	47.070	203405437	UNIVERSITY OF WISCONSIN MILWAUKEE	131,320	-
National Science Foundation	Pass-through	47.070	3003646555	UNIVERSITY OF MICHIGAN	4,013	-
National Science Foundation	Pass-through	47.070	3003646555	UNIVERSITY OF MICHIGAN	240,488	-
National Science Foundation	Pass-through	47.070	U-100987-1	CLARKSON UNIV	7,759	-
National Science Foundation	Pass-through	47.070	UT21727	OHIO UNIV	61,695	-
National Science Foundation	Pass-through	47.070	UT21727	OHIO UNIV	84,038	-
National Science Foundation	Pass-through	47.074	15-571	ARIZONA STATE UNIV	249	-
National Science Foundation	Pass-through	47.074	2015-984-001	SAMUEL ROBERTS NOBLE FOUNDATION INC	26,033	-
National Science Foundation	Pass-through	47.074	42271	SAINT LOUIS UNIV	66,346	33,814
National Science Foundation	Pass-through	47.074	50124-1	FIELD MUSEUM	9,620	-
National Science Foundation	Pass-through	47.074	50130-1-FDP	FIELD MUSEUM	2,507	-
National Science Foundation	Pass-through	47.074	A18-0247-5001	UNIVERSITY OF TENNESSEE KNOXVILLE	68,042	-
National Science Foundation	Pass-through	47.074	CB2960-SB-897821	UNIVERSITY OF IDAHO	33	-
National Science Foundation	Pass-through	47.074	P007914603	UNIVERSITY OF MINNESOTA	70,303	-
National Science Foundation	Pass-through	47.074	RR167-629/S001557	UNIVERSITY OF GEORGIA	3,470	-
National Science Foundation	Pass-through	47.074	RR167-629/S001557	UNIVERSITY OF GEORGIA	34,882	-
National Science Foundation	Pass-through	47.074	SUBK00008579	UNIVERSITY OF MICHIGAN	57,127	-
National Science Foundation	Pass-through	47.074	UNR 17-21	UNIVERSITY OF NEVADA RENO	16,229	-
National Science Foundation	Pass-through	47.075	2224-206-2014060	CLEMSON UNIV	215,713	-
National Science Foundation	Pass-through	47.075	A19-0386-S001	UNIVERSITY OF ALABAMA	42,845	-
National Science Foundation	Pass-through	47.075	GTK137-SB-002	UNIVERSITY OF IDAHO	(899)	-
National Science Foundation	Pass-through	47.075	MSU-NSF-Forest Fuels	NORTHERN MICHIGAN UNIV	49,912	-
National Science Foundation	Pass-through	47.075	UTA20-000898	UNIVERSITY OF TEXAS AT AUSTIN	34,750	-
National Science Foundation	Pass-through	47.076	0000000428	UNIVERSITY OF WISCONSIN MADISON	22,080	-
National Science Foundation	Pass-through	47.076	0000000470	UNIVERSITY OF WISCONSIN	2,646	-
National Science Foundation	Pass-through	47.076	003	WESTMINSTER COLLEGE	14,153	-
National Science Foundation	Pass-through	47.076	10051886-S2	UNIVERSITY OF UTAH	16,024	-
National Science Foundation	Pass-through	47.076	16043-003	MISSOURI STATE UNIV	11,472	-

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
National Science Foundation	Pass-through	47.076	3004280408	UNIVERSITY OF MICHIGAN	\$ 55,174	\$ -
National Science Foundation	Pass-through	47.076	3004280408	UNIVERSITY OF MICHIGAN	78,934	-
National Science Foundation	Pass-through	47.076	343.20-01	CONCORD CONSORTIUM	83,729	-
National Science Foundation	Pass-through	47.076	782K493	UNIVERSITY OF WISCONSIN MADISON	6,660	-
National Science Foundation	Pass-through	47.076	782K493	UNIVERSITY OF WISCONSIN MADISON	43,366	-
National Science Foundation	Pass-through	47.076	856K424	UNIVERSITY OF WISCONSIN	76,782	-
National Science Foundation	Pass-through	47.076	9109-0003	ASSOCIATED UNIVERSITIES INC	127,529	-
National Science Foundation	Pass-through	47.076	NSF-DRL #1749275	AMER EDUCATIONAL RESEARCH ASSOC	4	-
National Science Foundation	Pass-through	47.076	RG2003-3210	EASTERN MICHIGAN UNIV	14,741	-
National Science Foundation	Pass-through	47.076	SUBK00012102	UNIVERSITY OF MICHIGAN	77,068	-
National Science Foundation	Pass-through	47.083	60078865	OHIO STATE UNIV	32,642	-
National Science Foundation	Pass-through	47.083	KK2116	UNIVERSITY OF CALIFORNIA SANTA BARBARA	71,763	-
Pass-through Total					5,649,889	33,814
National Science Foundation Total					75,223,596	5,744,487
Environmental Protection Agency	Direct	66.466	96373801	US ENVIRONMENTAL PROTECTION AGENCY	100,229	-
Environmental Protection Agency	Direct	66.469	00E02802	US ENVIRONMENTAL PROTECTION AGENCY	114,924	50,867
Environmental Protection Agency	Direct	66.509	83579801	US ENVIRONMENTAL PROTECTION AGENCY	66,125	65,283
Environmental Protection Agency	Direct	66.509	83616801	US ENVIRONMENTAL PROTECTION AGENCY	20,895	-
Environmental Protection Agency	Direct	66.516	83983001	US ENVIRONMENTAL PROTECTION AGENCY	5,518	-
Direct Total					307,691	116,150
Environmental Protection Agency	Pass-through	66.204	E20204182-00	STATE OF MICHIGAN	19,971	-
Environmental Protection Agency	Pass-through	66.469	19000001785	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	30,550	-
Environmental Protection Agency	Pass-through	66.469	2020-2510	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	102,446	-
Environmental Protection Agency	Pass-through	66.469	S64335	CENTRAL MICHIGAN UNIV	105,003	-
Environmental Protection Agency	Pass-through	66.511	401579-5802	COLORADO SCHOOL OF MINES	118,078	-
Environmental Protection Agency	Pass-through	66.511	4109-79628	PURDUE UNIV	41,445	-
Environmental Protection Agency	Pass-through	66.511	4109-79628	PURDUE UNIV	119,198	-
Pass-through Total					536,691	-
Environmental Protection Agency Total					844,382	116,150
US Dept of Energy	Direct	81.RD	368355	BROOKHAVEN NATIONAL LABORATORY	9,329	-
US Dept of Energy	Direct	81.RD	527464	LOS ALAMOS NATL LABORATORY	4,626	-
US Dept of Energy	Direct	81.049	DE-FG02-01ER15228	US DEPT OF ENERGY	141,599	-
US Dept of Energy	Direct	81.049	DE-FG02-01ER15282	US DEPT OF ENERGY	210,562	-
US Dept of Energy	Direct	81.049	DE-FG02-03ER41259	US DEPT OF ENERGY	59,170	-
US Dept of Energy	Direct	81.049	DE-FG02-06ER15808	US DEPT OF ENERGY	148,568	-
US Dept of Energy	Direct	81.049	DE-FG02-06ER46309	US DEPT OF ENERGY	202,690	-
US Dept of Energy	Direct	81.049	DE-FG02-91ER20021	US DEPT OF ENERGY	3,336,947	-
US Dept of Energy	Direct	81.049	DE-SC0000661	US DEPT OF ENERGY	10,000	-
US Dept of Energy	Direct	81.049	DE-SC0000661	US DEPT OF ENERGY	972,172	-
US Dept of Energy	Direct	81.049	DE-SC0000661	US DEPT OF ENERGY	30,366,101	273,089
US Dept of Energy	Direct	81.049	DE-SC0000661	US DEPT OF ENERGY	41,044,630	(27,803)
US Dept of Energy	Direct	81.049	DE-SC0001525	US DEPT OF ENERGY	156,535	-
US Dept of Energy	Direct	81.049	DE-SC0002325	US DEPT OF ENERGY	221,779	-
US Dept of Energy	Direct	81.049	DE-SC0007101	US DEPT OF ENERGY	233,732	-
US Dept of Energy	Direct	81.049	DE-SC0010847	US DEPT OF ENERGY	167,760	-
US Dept of Energy	Direct	81.049	DE-SC0013365	US DEPT OF ENERGY	26,431	-
US Dept of Energy	Direct	81.049	DE-SC0013365	US DEPT OF ENERGY	186,510	-
US Dept of Energy	Direct	81.049	DE-SC0013617	US DEPT OF ENERGY	511,688	193,487
US Dept of Energy	Direct	81.049	DE-SC0014108	US DEPT OF ENERGY	4,617	-
US Dept of Energy	Direct	81.049	DE-SC0014108	US DEPT OF ENERGY	250,136	-
US Dept of Energy	Direct	81.049	DE-SC0014108	US DEPT OF ENERGY	440,932	209,944
US Dept of Energy	Direct	81.049	DE-SC0014384	US DEPT OF ENERGY	492,081	-
US Dept of Energy	Direct	81.049	DE-SC0014530	US DEPT OF ENERGY	41,483	-
US Dept of Energy	Direct	81.049	DE-SC0015903	US DEPT OF ENERGY	243,668	-
US Dept of Energy	Direct	81.049	DE-SC0015904	US DEPT OF ENERGY	132,641	-
US Dept of Energy	Direct	81.049	DE-SC0016052	US DEPT OF ENERGY	111,520	-
US Dept of Energy	Direct	81.049	DE-SC0016604	US DEPT OF ENERGY	137,648	-
US Dept of Energy	Direct	81.049	DE-SC0016948	US DEPT OF ENERGY	160,910	-
US Dept of Energy	Direct	81.049	DE-SC0017342	US DEPT OF ENERGY	152,101	-
US Dept of Energy	Direct	81.049	DE-SC0017883	US DEPT OF ENERGY	339,210	80,482
US Dept of Energy	Direct	81.049	DE-SC0017887	US DEPT OF ENERGY	207,767	-
US Dept of Energy	Direct	81.049	DE-SC0017888	US DEPT OF ENERGY	101,112	65,302
US Dept of Energy	Direct	81.049	DE-SC0017889	US DEPT OF ENERGY	89,000	-
US Dept of Energy	Direct	81.049	DE-SC0017952	US DEPT OF ENERGY	154,021	-
US Dept of Energy	Direct	81.049	DE-SC0017955	US DEPT OF ENERGY	2,396	-
US Dept of Energy	Direct	81.049	DE-SC0017955	US DEPT OF ENERGY	83,740	51,573
US Dept of Energy	Direct	81.049	DE-SC0018083	US DEPT OF ENERGY	40,755	-
US Dept of Energy	Direct	81.049	DE-SC0018083	US DEPT OF ENERGY	278,977	184,411
US Dept of Energy	Direct	81.049	DE-SC0018269	US DEPT OF ENERGY	285,797	-
US Dept of Energy	Direct	81.049	DE-SC0018269	US DEPT OF ENERGY	305,943	-
US Dept of Energy	Direct	81.049	DE-SC0018269	US DEPT OF ENERGY	1,216,578	844,441
US Dept of Energy	Direct	81.049	DE-SC0018362	US DEPT OF ENERGY	286,934	-
US Dept of Energy	Direct	81.049	DE-SC0018432	US DEPT OF ENERGY	12,691	-
US Dept of Energy	Direct	81.049	DE-SC001863	US DEPT OF ENERGY	163,410	-
US Dept of Energy	Direct	81.049	DE-SC0018637	US DEPT OF ENERGY	1,609	-
US Dept of Energy	Direct	81.049	DE-SC0018638	US DEPT OF ENERGY	125,381	-
US Dept of Energy	Direct	81.049	DE-SC0018966	US DEPT OF ENERGY	18,425	-
US Dept of Energy	Direct	81.049	DE-SC0018973	US DEPT OF ENERGY	76,622	-
US Dept of Energy	Direct	81.049	DE-SC0019015	US DEPT OF ENERGY	51,964	-
US Dept of Energy	Direct	81.049	DE-SC0019034	US DEPT OF ENERGY	8,918	-
US Dept of Energy	Direct	81.049	DE-SC0019058	US DEPT OF ENERGY	2,886	-
US Dept of Energy	Direct	81.049	DE-SC0019072	US DEPT OF ENERGY	402,691	-
US Dept of Energy	Direct	81.049	DE-SC0019120	US DEPT OF ENERGY	112,821	-
US Dept of Energy	Direct	81.049	DE-SC0019201	US DEPT OF ENERGY	5,000	-
US Dept of Energy	Direct	81.049	DE-SC0019209	US DEPT OF ENERGY	57,823	-
US Dept of Energy	Direct	81.049	DE-SC0019252	US DEPT OF ENERGY	86,977	-
US Dept of Energy	Direct	81.049	DE-SC0019259	US DEPT OF ENERGY	108,167	-
US Dept of Energy	Direct	81.049	DE-SC0019369	US DEPT OF ENERGY	44,328	2,174
US Dept of Energy	Direct	81.049	DESC0019403-	US DEPT OF ENERGY	88,213	-
US Dept of Energy	Direct	81.049	DE-SC0019455	US DEPT OF ENERGY	40,932	-
US Dept of Energy	Direct	81.049	DE-SC0020370	US DEPT OF ENERGY	95,341	-
US Dept of Energy	Direct	81.049	DE-SC0020371	US DEPT OF ENERGY	(2,734)	-
US Dept of Energy	Direct	81.049	DE-SC0020429	US DEPT OF ENERGY	76,388	-
US Dept of Energy	Direct	81.049	DE-SC0020451	US DEPT OF ENERGY	1,560,758	-
US Dept of Energy	Direct	81.049	DE-SC0020606	US DEPT OF ENERGY	201,520	-
US Dept of Energy	Direct	81.049	DE-SC0020987	US DEPT OF ENERGY	54,757	-
US Dept of Energy	Direct	81.049	DE-SC0021152	US DEPT OF ENERGY	135,560	-
US Dept of Energy	Direct	81.049	DE-SC0021193	US DEPT OF ENERGY	187,675	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of Energy	Direct	81.049	DE-SC00021197	US DEPT OF ENERGY	\$ 54,615	\$ 16,641
US Dept of Energy	Direct	81.049	DE-SC00021220	US DEPT OF ENERGY	371,642	-
US Dept of Energy	Direct	81.049	DE-SC00021235	US DEPT OF ENERGY	198,540	-
US Dept of Energy	Direct	81.049	DE-SC00021422	US DEPT OF ENERGY	24,435	-
US Dept of Energy	Direct	81.049	DE-SC00021423	US DEPT OF ENERGY	42,039	-
US Dept of Energy	Direct	81.049	DE-SC00021938	US DEPT OF ENERGY	2,824	-
US Dept of Energy	Direct	81.057	DE-FE00031899	US DEPT OF ENERGY	28,326	-
US Dept of Energy	Direct	81.086	DE-EE0007803	US DEPT OF ENERGY	4,126	8,185
US Dept of Energy	Direct	81.086	DE-EE0008320	US DEPT OF ENERGY	42,926	9,870
US Dept of Energy	Direct	81.086	DE-EE0008455	US DEPT OF ENERGY	165,585	-
US Dept of Energy	Direct	81.087	DE-EE0008148	US DEPT OF ENERGY	483,549	292,791
US Dept of Energy	Direct	81.087	DE-EE0008992	US DEPT OF ENERGY	485,832	137,379
US Dept of Energy	Direct	81.089	DE-FE0030977	US DEPT OF ENERGY	43,046	-
US Dept of Energy	Direct	81.089	DE-FE0031250	US DEPT OF ENERGY	80,468	35,772
US Dept of Energy	Direct	81.089	DE-FE0031672	US DEPT OF ENERGY	106,191	-
US Dept of Energy	Direct	81.112	DE-NA0003885	US DEPT OF ENERGY	100,616	-
US Dept of Energy	Direct	81.112	DE-NA0003885	US DEPT OF ENERGY	133,846	-
US Dept of Energy	Direct	81.112	DE-NA0003906	US DEPT OF ENERGY	23,639	-
US Dept of Energy	Direct	81.112	DE-NA0003906	US DEPT OF ENERGY	141,770	-
US Dept of Energy	Direct	81.112	DE-NA0003908	US DEPT OF ENERGY	222,949	-
US Dept of Energy	Direct	81.112	DE-NA0003913	US DEPT OF ENERGY	115,127	-
US Dept of Energy	Direct	81.135	DE-AR0000991	US DEPT OF ENERGY	1,580	-
US Dept of Energy	Direct	81.135	DE-AR0000991	US DEPT OF ENERGY	615,792	95,649
US Dept of Energy	Direct	81.135	DE-AR0001123	US DEPT OF ENERGY	774,317	142,026
US Dept of Energy	Direct	81.135	DE-AR0001288	US DEPT OF ENERGY	233,188	-
	Direct Total				91,785,887	2,615,413
US Dept of Energy	Pass-through	81.RD	305049	LOS ALAMOS NATL LABORATORY	195,316	-
US Dept of Energy	Pass-through	81.RD	1F-60265	ARGONNE NATIONAL LABORATORY	19,414	-
US Dept of Energy	Pass-through	81.RD	1F-60291	ARGONNE NATIONAL LABORATORY	24,589	-
US Dept of Energy	Pass-through	81.RD	2219962	SANDIA NATIONAL LABORATORIES	6,530	-
US Dept of Energy	Pass-through	81.RD	332574	LOS ALAMOS NATL LABORATORY	(1,018)	-
US Dept of Energy	Pass-through	81.RD	344028	BROOKHAVEN NATIONAL LABORATORY	110,278	-
US Dept of Energy	Pass-through	81.RD	344514	BROOKHAVEN NATIONAL LABORATORY	35,845	-
US Dept of Energy	Pass-through	81.RD	364776	BROOKHAVEN SCIENCE ASSOC LLC	55,668	-
US Dept of Energy	Pass-through	81.RD	4000166582	OAK RIDGE NATIONAL LABORATORY	53,839	-
US Dept of Energy	Pass-through	81.RD	510272	LOS ALAMOS NATL LABORATORY	11,413	-
US Dept of Energy	Pass-through	81.RD	516587	PACIFIC NORTHWEST NATIONAL LABORATORY	48,043	-
US Dept of Energy	Pass-through	81.RD	527464	LOS ALAMOS NATL LABORATORY	21,860	-
US Dept of Energy	Pass-through	81.RD	596704	LOS ALAMOS NATL LABORATORY	30,856	-
US Dept of Energy	Pass-through	81.RD	615487	LOS ALAMOS NATL LABORATORY	56,096	-
US Dept of Energy	Pass-through	81.RD	62103	LOS ALAMOS NATL LABORATORY	94,310	-
US Dept of Energy	Pass-through	81.RD	638420	FERMIL NATIONAL ACCELERATOR LABORATORY	(4,726)	-
US Dept of Energy	Pass-through	81.RD	662291	FERMIL NATIONAL ACCELERATOR LABORATORY	58,856	-
US Dept of Energy	Pass-through	81.RD	662299	FERMIL NATIONAL ACCELERATOR LABORATORY	42,110	-
US Dept of Energy	Pass-through	81.RD	662608	FERMIL NATIONAL ACCELERATOR LABORATORY	153,863	-
US Dept of Energy	Pass-through	81.RD	667145	FERMIL NATIONAL ACCELERATOR LABORATORY	237,929	-
US Dept of Energy	Pass-through	81.RD	672293	FERMIL NATIONAL ACCELERATOR LABORATORY	11,995	-
US Dept of Energy	Pass-through	81.RD	7436735	LAWRENCE BERKELEY NATIONAL LABORATORY	73,401	-
US Dept of Energy	Pass-through	81.RD	7535238	LAWRENCE BERKELEY NATIONAL LABORATORY	68,642	-
US Dept of Energy	Pass-through	81.RD	9F-60106	ARGONNE NATIONAL LABORATORY	63,692	-
US Dept of Energy	Pass-through	81.RD	B639899	LAWRENCE LIVERMORE NATIONAL LABORATORY	84,683	-
US Dept of Energy	Pass-through	81.RD	B642897	LAWRENCE LIVERMORE NATIONAL LABORATORY	58,034	-
US Dept of Energy	Pass-through	81.RD	B642898	LAWRENCE LIVERMORE NATIONAL LABORATORY	58,600	-
US Dept of Energy	Pass-through	81.RD	B644717	LAWRENCE LIVERMORE NATIONAL LABORATORY	12,163	-
US Dept of Energy	Pass-through	81.RD	B645448	LAWRENCE LIVERMORE NATIONAL LABORATORY	19,507	-
US Dept of Energy	Pass-through	81.RD	EN2-7107	NANOSONIC INC	28,434	-
US Dept of Energy	Pass-through	81.RD	Joint Appt Hao	BROOKHAVEN SCIENCE ASSOC LLC	152,790	-
US Dept of Energy	Pass-through	81.RD	N000295611	HONEYWELL CORP	(223)	-
US Dept of Energy	Pass-through	81.RD	PO1910351	SANDIA NATIONAL LABORATORIES	70,979	-
US Dept of Energy	Pass-through	81.041	MEC-18-007	MICHIGAN ENERGY OFFICE	74,345	-
US Dept of Energy	Pass-through	81.041	MEC-21-002	INST FOR ENERGY INNOVATION	3,981	-
US Dept of Energy	Pass-through	81.049	00408871	NIOWAVE INC	158,340	-
US Dept of Energy	Pass-through	81.049	00453617	GREAT LAKES CRYSTAL TECHNOLOGIES INC	57,526	-
US Dept of Energy	Pass-through	81.049	00460465	INTEGRATED SENSORS LLC	6,918	-
US Dept of Energy	Pass-through	81.049	2014-13	UNIVERSITY OF OKLAHOMA	(22,122)	-
US Dept of Energy	Pass-through	81.049	25-1215-0208-007	UNIVERSITY OF NEBRASKA - LINCOLN	95,098	-
US Dept of Energy	Pass-through	81.049	508145	LOS ALAMOS NATL LABORATORY	96,529	-
US Dept of Energy	Pass-through	81.049	5103977	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	38,101	-
US Dept of Energy	Pass-through	81.049	53793	MARINE BIOLOGICAL LABORATORY	6,076	-
US Dept of Energy	Pass-through	81.049	54358	MARINE BIOLOGICAL LABORATORY	51,114	-
US Dept of Energy	Pass-through	81.049	812K980	UNIVERSITY OF WISCONSIN MADISON	10,791,181	-
US Dept of Energy	Pass-through	81.049	ASUB00000681	ARIZONA STATE UNIV	78,946	-
US Dept of Energy	Pass-through	81.049	C1554-050119	MICHIGAN AEROSPACE CORP	442	-
US Dept of Energy	Pass-through	81.049	DOE 17630-Z7181004	UNIVERSITY OF MARYLAND	13,802	-
US Dept of Energy	Pass-through	81.049	EN1- 0460	NANOSONIC INC	51,754	-
US Dept of Energy	Pass-through	81.049	EN2-7107A	NANOSONIC INC	29,536	-
US Dept of Energy	Pass-through	81.049	GF70041-2	UNIVERSITY OF NORTH TEXAS	82,808	-
US Dept of Energy	Pass-through	81.049	GF70059-1	UNIVERSITY OF NORTH TEXAS	185,713	-
US Dept of Energy	Pass-through	81.049	JOLT-MSU-001	JOLT ENERGY STORAGE TECHNOLOGIES LLC	(19)	-
US Dept of Energy	Pass-through	81.049	R02187	FLORIDA STATE UNIV	209,478	-
US Dept of Energy	Pass-through	81.049	S00460-01	UNIVERSITY OF IOWA	19,011	-
US Dept of Energy	Pass-through	81.049	SBIR	TELLURIC LABS LLC	925	-
US Dept of Energy	Pass-through	81.049	SUB00000288	PRINCETON UNIV	183,776	-
US Dept of Energy	Pass-through	81.049	SUB00000347	PRINCETON UNIV	14,721	-
US Dept of Energy	Pass-through	81.049	SUB00000376	PRINCETON UNIV	131,258	-
US Dept of Energy	Pass-through	81.049	UTAZO-001012	UNIVERSITY OF TEXAS AT AUSTIN	87,589	-
US Dept of Energy	Pass-through	81.086	A16-0349-5005	COLLABORATIVE COMPOSITE SOLUTIONS CORP	(134,215)	-
US Dept of Energy	Pass-through	81.086	A16-0349-5005	COLLABORATIVE COMPOSITE SOLUTIONS CORP	1,846	-
US Dept of Energy	Pass-through	81.086	DE-EE0009083	SLIPSTREAM GROUP INC	14,180	-
US Dept of Energy	Pass-through	81.086	DOE PA16-0349-3.1-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	367,240	-
US Dept of Energy	Pass-through	81.086	MB-DE-EE0008235	MERCEDES BENZ RESEARCH AND DEVELOPMENT NORTH AMERICA INC	(2,684)	-
US Dept of Energy	Pass-through	81.086	PA16-0349-3.16-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	72,454	-
US Dept of Energy	Pass-through	81.086	PA16-0349-3.2-02	COLLABORATIVE COMPOSITE SOLUTIONS CORP	(1,314)	-
US Dept of Energy	Pass-through	81.086	PA16-0349-3.9-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	493,001	-
US Dept of Energy	Pass-through	81.086	PA16-0349-5.7-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	4,971	-
US Dept of Energy	Pass-through	81.086	PA16-0349-8.20-01	INST FOR ADVANCED COMPOSITES MANUFACTURING INNOVATION	11,621	-
US Dept of Energy	Pass-through	81.086	PA16-0349-7.8-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	21,990	-
US Dept of Energy	Pass-through	81.086	PR2096550	FORD MOTOR CO	20,152	-
US Dept of Energy	Pass-through	81.087	2108-219-2023054	CLEMSON UNIV	108,452	-
US Dept of Energy	Pass-through	81.087	3004665464	UNIVERSITY OF MICHIGAN	69,208	-

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of Energy	Pass-through	81.087	G0174A-B	OREGON STATE UNIV	\$ 112,014	\$ -
US Dept of Energy	Pass-through	81.087	RP2002-EE9018	SCION PLASMA LLC	66,568	-
US Dept of Energy	Pass-through	81.087	SA-20-02	REMADE INST	8,985	-
US Dept of Energy	Pass-through	81.089	401469-5801	COLORADO SCHOOL OF MINES	31,454	-
US Dept of Energy	Pass-through	81.112	18045	UNIVERSITY OF ILLINOIS CHICAGO	77,393	-
US Dept of Energy	Pass-through	81.113	00009330	UNIVERSITY OF CALIFORNIA BERKELEY	471,597	-
US Dept of Energy	Pass-through	81.135	G0176A-A	OREGON STATE UNIV	240,528	-
US Dept of Energy	Pass-through	81.135	GR108616 (CON-80002172)	YALE UNIV	118,833	-
	Pass-through Total				<u>1,674,869</u>	<u>-</u>
	US Dept of Energy Total				<u>108,360,756</u>	<u>2,615,413</u>
US Dept of Education	Direct	84.015	P015B180155	US DEPT OF EDUCATION	221,119	-
US Dept of Education	Direct	84.015	P015B180155	US DEPT OF EDUCATION	424,661	-
US Dept of Education	Direct	84.200	P200A180025	US DEPT OF EDUCATION	53,937	-
US Dept of Education	Direct	84.200	P200A180025	US DEPT OF EDUCATION	54,476	-
US Dept of Education	Direct	84.220	P220A180001	US DEPT OF EDUCATION	189,311	-
US Dept of Education	Direct	84.305	R305A150210	US DEPT OF EDUCATION	72,735	7,968
US Dept of Education	Direct	84.305	R305A160049	US DEPT OF EDUCATION	169,632	-
US Dept of Education	Direct	84.305	R305H190004	INST OF EDUCATION SCIENCES	951,835	386,086
US Dept of Education	Direct	84.324	R324A150063	US DEPT OF EDUCATION	39,212	-
US Dept of Education	Direct	84.324	R324A180122	INST OF EDUCATION SCIENCES	371,108	-
US Dept of Education	Direct	84.324	R324B170003	US DEPT OF EDUCATION	76,948	-
US Dept of Education	Direct	84.324	R324L190002	INST OF EDUCATION SCIENCES	7,085	-
US Dept of Education	Direct	84.325	H325K200018	US DEPT OF EDUCATION	45,461	-
US Dept of Education	Direct	84.325	H325K200018	US DEPT OF EDUCATION	80,531	-
	Direct Total				<u>2,758,051</u>	<u>394,054</u>
US Dept of Education	Pass-through	84.004	8004D160011	INDIANA UNIV	15,374	-
US Dept of Education	Pass-through	84.263	VRTAC-PEQA	UNIVERSITY OF WISCONSIN STOUT	56,975	-
US Dept of Education	Pass-through	84.287	202122 - Evaluation	MICHIGAN DEPT OF EDUCATION	1,141	-
US Dept of Education	Pass-through	84.287	212122 - SES	MICHIGAN DEPT OF EDUCATION	444,151	-
US Dept of Education	Pass-through	84.305	511140-02	TEACHERS COLLEGE COLUMBIA UNIV	71,859	-
US Dept of Education	Pass-through	84.305	ED162A-A	OREGON STATE UNIV	341	-
US Dept of Education	Pass-through	84.305	SCC-556404-18/19	TULANE UNIV	327,372	-
US Dept of Education	Pass-through	84.411	Investing in Innovation (I3)	HIGHSCOPE EDUCATIONAL RESEARCH FOUNDATION	198,699	-
	Pass-through Total				<u>1,115,912</u>	<u>-</u>
	US Dept of Education Total				<u>3,873,963</u>	<u>394,054</u>
US Dept of Health and Human Services	Direct	93.RD	200-2016-89831	CENTERS FOR DISEASE CONTROL AND PREVENTION	4,340	-
US Dept of Health and Human Services	Direct	93.RD	200-2016-89831	CENTERS FOR DISEASE CONTROL AND PREVENTION	6,467	-
US Dept of Health and Human Services	Direct	93.RD	200-2016-89831	CENTERS FOR DISEASE CONTROL AND PREVENTION	(8,408)	-
US Dept of Health and Human Services	Direct	93.RD	200-2016-89831	CENTERS FOR DISEASE CONTROL AND PREVENTION	16,136	-
US Dept of Health and Human Services	Direct	93.RD	200-2016-89831	CENTERS FOR DISEASE CONTROL AND PREVENTION	222,642	-
US Dept of Health and Human Services	Direct	93.RD	200-2016-89831	CENTERS FOR DISEASE CONTROL AND PREVENTION	577,044	-
US Dept of Health and Human Services	Direct	93.RD	PROTOCOL S1207	NRG ONCOLOGY	922	-
US Dept of Health and Human Services	Direct	93.113	1K01ES029115-01	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	125,736	-
US Dept of Health and Human Services	Direct	93.113	1R01ES029227-01A1	NATIONAL INST OF HEALTH	942,522	693,732
US Dept of Health and Human Services	Direct	93.113	1R01ES029541-01A1	NATIONAL INST OF HEALTH	256,233	-
US Dept of Health and Human Services	Direct	93.113	5R01ES024064-02	NATIONAL INST OF HEALTH	38,293	-
US Dept of Health and Human Services	Direct	93.113	5T3ES007255-30	NATIONAL INST OF HEALTH	(9,732)	-
US Dept of Health and Human Services	Direct	93.113	F31ES030593	NATIONAL INST OF HEALTH	10,925	-
US Dept of Health and Human Services	Direct	93.113	F32ES031426	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	4,059	-
US Dept of Health and Human Services	Direct	93.113	F32ES031426	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	47,462	-
US Dept of Health and Human Services	Direct	93.113	KES026208A	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	14,924	-
US Dept of Health and Human Services	Direct	93.113	KES028047B (NATIONAL INST OF HEALTH	107,332	-
US Dept of Health and Human Services	Direct	93.113	R00ES028744	NATIONAL INST OF HEALTH	211,841	-
US Dept of Health and Human Services	Direct	93.113	R01ES027863	NATIONAL INST OF HEALTH	48,336	-
US Dept of Health and Human Services	Direct	93.113	R01ES029541	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	24,773	-
US Dept of Health and Human Services	Direct	93.113	R01ES030695	NATIONAL INST OF HEALTH	25,748	-
US Dept of Health and Human Services	Direct	93.113	R01ES030695	NATIONAL INST OF HEALTH	334,769	15,231
US Dept of Health and Human Services	Direct	93.113	R01ES031237	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	123,112	-
US Dept of Health and Human Services	Direct	93.113	R01ES031937	NATIONAL INST OF HEALTH	284,262	96,269
US Dept of Health and Human Services	Direct	93.113	R01ES032227	NATIONAL INST OF HEALTH	87,450	5,300
US Dept of Health and Human Services	Direct	93.113	R03ES030766	NATIONAL INST OF HEALTH	84,525	-
US Dept of Health and Human Services	Direct	93.113	R21ES031345	NATIONAL INST OF HEALTH	154,704	12,153
US Dept of Health and Human Services	Direct	93.113	R25ES025090	NATIONAL INST OF HEALTH	26,440	-
US Dept of Health and Human Services	Direct	93.113	R25ES025090	NATIONAL INST OF HEALTH	39,679	-
US Dept of Health and Human Services	Direct	93.113	RES017537C	NATIONAL INST OF HEALTH	158,733	5,890
US Dept of Health and Human Services	Direct	93.113	RES024795B	NATIONAL INST OF HEALTH	185,023	-
US Dept of Health and Human Services	Direct	93.113	RES024806B	NATIONAL INST OF HEALTH	3	-
US Dept of Health and Human Services	Direct	93.113	RES024966A	NATIONAL INST OF HEALTH	234,471	-
US Dept of Health and Human Services	Direct	93.113	RES027353A	NATIONAL INST OF HEALTH	400,368	106,038
US Dept of Health and Human Services	Direct	93.113	T32ES007255	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	47,216	-
US Dept of Health and Human Services	Direct	93.113	T32ES007255	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	330,204	-
US Dept of Health and Human Services	Direct	93.113	UES026119A	NATIONAL INST OF HEALTH	252,479	90,401
US Dept of Health and Human Services	Direct	93.121	1R03DE027429-01A1	NATIONAL INST OF HEALTH	74,456	-
US Dept of Health and Human Services	Direct	93.121	7R01DE026125-03	NATIONAL INST OF DENTAL AND CRANIOFACIAL RESEARCH	597,599	232,009
US Dept of Health and Human Services	Direct	93.121	K25DE028949	NATIONAL INST OF HEALTH	132,982	-
US Dept of Health and Human Services	Direct	93.121	R01DE029524	NATIONAL INST OF HEALTH	450,516	37,742
US Dept of Health and Human Services	Direct	93.121	RDE027108A	NATIONAL INST OF HEALTH	96,982	-
US Dept of Health and Human Services	Direct	93.143	3PA2ES004911-26S2	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	242,577	-
US Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	(6,562)	-
US Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	57	57
US Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	2,098	-
US Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	13,736	-
US Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	20,929	20,929
US Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	45,394	-
US Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	50,082	-
US Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	105,753	-
US Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	190,352	-
US Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26S1	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	68	-
US Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26S1	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	21,908	-
US Dept of Health and Human Services	Direct	93.143	NIH 5PA2ES004911-26S1	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	(30,672)	-
US Dept of Health and Human Services	Direct	93.143	PES004911F	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	19,130	-
US Dept of Health and Human Services	Direct	93.143	PES004911F	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	24,276	-
US Dept of Health and Human Services	Direct	93.143	PES004911F	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	28,966	-
US Dept of Health and Human Services	Direct	93.143	PES004911F	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	34,045	-
US Dept of Health and Human Services	Direct	93.143	PES004911F	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	91,452	-
US Dept of Health and Human Services	Direct	93.143	PES004911F	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	107,966	-
US Dept of Health and Human Services	Direct	93.172	R21HG010073	NATIONAL INST OF HEALTH	220,860	18,466
US Dept of Health and Human Services	Direct	93.172	R21HG010789	NATIONAL INST OF HEALTH	33,690	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of Health and Human Services	Direct	93.172	R21HG010789	NATIONAL INST OF HEALTH	\$ 336,664	\$ -
US Dept of Health and Human Services	Direct	93.173	1K01DC017751-01	NATIONAL INST OF HEALTH	122,826	-
US Dept of Health and Human Services	Direct	93.173	5R01DC012315-04	NATIONAL INST OF HEALTH	56	-
US Dept of Health and Human Services	Direct	93.173	5R21DC016102	NATIONAL INST OF HEALTH	115,207	-
US Dept of Health and Human Services	Direct	93.173	R01DC012315	NATIONAL INST OF HEALTH	46,820	14,229
US Dept of Health and Human Services	Direct	93.173	R01DC018000	NATIONAL INST OF HEALTH	370,152	9,112
US Dept of Health and Human Services	Direct	93.173	R01DC018795	NATIONAL INST OF HEALTH	218,382	-
US Dept of Health and Human Services	Direct	93.173	RDC015550A	NATIONAL INST ON DEAFNESS AND OTHER COMMUNICATION DISORDERS	1,938	-
US Dept of Health and Human Services	Direct	93.213	4R00AT009156-03	NATIONAL INST OF HEALTH	218,954	-
US Dept of Health and Human Services	Direct	93.213	K23AT009458	NATIONAL INST OF HEALTH	111,405	-
US Dept of Health and Human Services	Direct	93.226	RHS025386A	AGENCY FOR HEALTHCARE RESEARCH AND QUALITY	302,314	30,758
US Dept of Health and Human Services	Direct	93.242	1R01MH119149-01	NATIONAL INST OF HEALTH	431,246	25,960
US Dept of Health and Human Services	Direct	93.242	1R01MH121417-01A1	NATIONAL INST OF HEALTH	52,410	-
US Dept of Health and Human Services	Direct	93.242	1RF1MH117802-01	NATIONAL INST OF HEALTH	200,784	-
US Dept of Health and Human Services	Direct	93.242	3U01MH106660-04S1	NATIONAL INST OF MENTAL HEALTH	73,193	64,781
US Dept of Health and Human Services	Direct	93.242	5R01MH111715-03S1	NATIONAL INST OF MENTAL HEALTH	63,620	-
US Dept of Health and Human Services	Direct	93.242	5R1GM125991	NATIONAL INST OF MENTAL HEALTH	745,373	200,765
US Dept of Health and Human Services	Direct	93.242	F31MH125604	NATIONAL INST OF HEALTH	4,306	-
US Dept of Health and Human Services	Direct	93.242	R00MH110665	NATIONAL INST OF MENTAL HEALTH	283,764	-
US Dept of Health and Human Services	Direct	93.242	R01MH108511	NATIONAL INST OF HEALTH	50,308	-
US Dept of Health and Human Services	Direct	93.242	R01MH111715	NATIONAL INST OF HEALTH	(4,123)	-
US Dept of Health and Human Services	Direct	93.242	R01MH11264	NATIONAL INST OF HEALTH	337,588	33,353
US Dept of Health and Human Services	Direct	93.242	R01MH118848	NATIONAL INST OF HEALTH	762,104	188,667
US Dept of Health and Human Services	Direct	93.242	R01MH122725	NATIONAL INST OF HEALTH	154,598	-
US Dept of Health and Human Services	Direct	93.242	R01MH124992	NATIONAL INST OF HEALTH	132,063	-
US Dept of Health and Human Services	Direct	93.242	R34MH118402	NATIONAL INST OF MENTAL HEALTH	130,139	20,240
US Dept of Health and Human Services	Direct	93.242	R56MH118908	NATIONAL INST OF HEALTH	179,609	57,853
US Dept of Health and Human Services	Direct	93.242	RHD083058A	NATIONAL INST OF HEALTH	(174)	-
US Dept of Health and Human Services	Direct	93.242	RMH108511A	NATIONAL INST OF HEALTH	316,105	43,287
US Dept of Health and Human Services	Direct	93.242	RMH111276A	NATIONAL INST OF HEALTH	209,423	-
US Dept of Health and Human Services	Direct	93.242	RMH111604A	NATIONAL INST OF HEALTH	249,587	-
US Dept of Health and Human Services	Direct	93.242	RMH111715A	NATIONAL INST OF HEALTH	627,216	34,804
US Dept of Health and Human Services	Direct	93.242	UG3MH114249	NATIONAL INST OF HEALTH	116,366	3,514
US Dept of Health and Human Services	Direct	93.242	UH3MH114249	NATIONAL INST OF HEALTH	753,982	537,786
US Dept of Health and Human Services	Direct	93.242	UMH106660A	NATIONAL INST OF MENTAL HEALTH	321,819	211,607
US Dept of Health and Human Services	Direct	93.262	1U60OH010892-01A1	CENTERS FOR DISEASE CONTROL AND PREVENTION	31,361	-
US Dept of Health and Human Services	Direct	93.262	CDC 0084660H15	NATIONAL INST FOR OCCUPATIONAL SAFETY AND HEALTH	95,013	58,552
US Dept of Health and Human Services	Direct	93.273	1R21AA026674-01A1	NATIONAL INST OF ALCOHOL ABUSE AND ALCOHOLISM	141,560	-
US Dept of Health and Human Services	Direct	93.273	R01AA026596	NATIONAL INST OF ALCOHOL ABUSE AND ALCOHOLISM	207,091	-
US Dept of Health and Human Services	Direct	93.279	1R01DA041780-01	NATIONAL INST OF HEALTH	337,767	-
US Dept of Health and Human Services	Direct	93.279	K01DA046516	NATIONAL INST ON DRUG ABUSE	97,009	-
US Dept of Health and Human Services	Direct	93.279	R01DA039112	NATIONAL INST OF HEALTH	136,241	15,211
US Dept of Health and Human Services	Direct	93.279	R25DA051249	NATIONAL INST OF HEALTH	81,812	-
US Dept of Health and Human Services	Direct	93.279	RD0A037271B	NATIONAL INST OF HEALTH	7,338	-
US Dept of Health and Human Services	Direct	93.279	RD0A039895A	NATIONAL INST OF HEALTH	132,332	-
US Dept of Health and Human Services	Direct	93.286	1R21EB023051-01A1	NATIONAL INST OF HEALTH	(4,270)	-
US Dept of Health and Human Services	Direct	93.286	2R01EB01207	NATIONAL INST OF HEALTH	334,409	-
US Dept of Health and Human Services	Direct	93.286	5R00EB016753-04	NATIONAL INST OF HEALTH	144,091	-
US Dept of Health and Human Services	Direct	93.286	R01EB029418	NATIONAL INST OF HEALTH	135,659	-
US Dept of Health and Human Services	Direct	93.286	R03EB028349	NATIONAL INST OF HEALTH	96,720	-
US Dept of Health and Human Services	Direct	93.286	U24EB028990	NATIONAL INST OF HEALTH	60,497	-
US Dept of Health and Human Services	Direct	93.286	UEB018818A	NATIONAL INST OF HEALTH	(3,537)	-
US Dept of Health and Human Services	Direct	93.307	5U54MD011227-02S1	NATIONAL INST ON MINORITY HEALTH AND HEALTH DISPARITIES	(358)	-
US Dept of Health and Human Services	Direct	93.307	K01MD015079	NATIONAL INST ON MINORITY HEALTH AND HEALTH DISPARITIES	14,834	-
US Dept of Health and Human Services	Direct	93.307	R01MD016003	NATIONAL INST OF HEALTH	168,976	-
US Dept of Health and Human Services	Direct	93.307	R21MD015909	NATIONAL INST OF HEALTH	77,158	15,777
US Dept of Health and Human Services	Direct	93.307	UMD011227A	NATIONAL INST ON MINORITY HEALTH AND HEALTH DISPARITIES	1,516,585	83,731
US Dept of Health and Human Services	Direct	93.310	DOD020320A	NATIONAL INST OF HEALTH	218,777	-
US Dept of Health and Human Services	Direct	93.310	UH3OD023285	NATIONAL INST OF HEALTH	59,201	-
US Dept of Health and Human Services	Direct	93.310	UH3OD023285	NATIONAL INST OF HEALTH	84,423	-
US Dept of Health and Human Services	Direct	93.310	UH3OD023285	NATIONAL INST OF HEALTH	155,035	122,436
US Dept of Health and Human Services	Direct	93.310	UH3OD023285-03	NATIONAL INST OF HEALTH	2,904,258	1,260,378
US Dept of Health and Human Services	Direct	93.361	7R15NR016828-02	NATIONAL INST OF NURSING RESEARCH	51,422	9,817
US Dept of Health and Human Services	Direct	93.361	R00NR017191	NATIONAL INST OF HEALTH	194,045	-
US Dept of Health and Human Services	Direct	93.361	R01NR014484	NATIONAL INST OF HEALTH	374,879	233,707
US Dept of Health and Human Services	Direct	93.361	R01NR017626	NATIONAL INST OF HEALTH	41,191	-
US Dept of Health and Human Services	Direct	93.361	R01NR017626	NATIONAL INST OF HEALTH	529,583	348,673
US Dept of Health and Human Services	Direct	93.361	R21NR017958	NATIONAL INST OF NURSING RESEARCH	30,389	-
US Dept of Health and Human Services	Direct	93.393	1R01CA225105-02S1	NATIONAL INST OF HEALTH	8,578	5,344
US Dept of Health and Human Services	Direct	93.393	1R01CA226690-01A1	NATIONAL INST OF HEALTH	350,232	32,773
US Dept of Health and Human Services	Direct	93.393	1R21CA226579-01A1	NATIONAL CANCER INST	98,450	-
US Dept of Health and Human Services	Direct	93.393	K00CA245821	NATIONAL CANCER INST	29,396	-
US Dept of Health and Human Services	Direct	93.393	R01CA225105	NATIONAL INST OF HEALTH	545,921	-
US Dept of Health and Human Services	Direct	93.393	RCA175988B	NATIONAL INST OF HEALTH	610	-
US Dept of Health and Human Services	Direct	93.394	7R01CA182043-04	NATIONAL INST OF HEALTH	437,909	-
US Dept of Health and Human Services	Direct	93.394	COVID-19 - U01CA260469	NATIONAL INST OF HEALTH	338,470	586
US Dept of Health and Human Services	Direct	93.394	R01CA239187	NATIONAL INST OF HEALTH	377,451	29,693
US Dept of Health and Human Services	Direct	93.395	1R21CA216867-01A1	NATIONAL CANCER INST	175,832	65,707
US Dept of Health and Human Services	Direct	93.395	1R21CA240875-01	NATIONAL INST OF HEALTH	108,804	-
US Dept of Health and Human Services	Direct	93.395	NSABP B-49	NATIONAL SURGICAL ADJUVANT BREAST AND BOWEL PROJECT FOUNDATION	244	-
US Dept of Health and Human Services	Direct	93.395	R01CA244491	NATIONAL INST OF HEALTH	154,015	-
US Dept of Health and Human Services	Direct	93.395	R21CA252430	NATIONAL INST OF HEALTH	34,165	-
US Dept of Health and Human Services	Direct	93.395	RCA193706A	NATIONAL INST OF HEALTH	(129)	-
US Dept of Health and Human Services	Direct	93.395	TFED36-090	NATIONAL SURGICAL ADJUVANT BREAST AND BOWEL PROJECT FOUNDATION	859	-
US Dept of Health and Human Services	Direct	93.396	7R01CA197398	NATIONAL INST OF HEALTH	196,654	46,378
US Dept of Health and Human Services	Direct	93.396	R01CA247863	NATIONAL INST OF HEALTH	41,559	-
US Dept of Health and Human Services	Direct	93.396	RCA189305A	NATIONAL INST OF HEALTH	105,550	-
US Dept of Health and Human Services	Direct	93.398	K99CA252152	NATIONAL CANCER INST	25,307	-
US Dept of Health and Human Services	Direct	93.583	3R33NS099416-03S1	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	39,883	30,041
US Dept of Health and Human Services	Direct	93.837	1F31HL143937-01	NATIONAL INST OF HEALTH	5,957	-
US Dept of Health and Human Services	Direct	93.837	1F31HL154613-01	NATIONAL INST OF HEALTH	17,860	-
US Dept of Health and Human Services	Direct	93.837	2R25HL108864-06A1	NATIONAL INST OF HEALTH	136,987	-
US Dept of Health and Human Services	Direct	93.837	5R01HL122223-05	NATIONAL INST OF HEALTH	140,852	-
US Dept of Health and Human Services	Direct	93.837	7K01HL135464-03	NATIONAL HEART LUNG AND BLOOD INST	144,597	-
US Dept of Health and Human Services	Direct	93.837	F31HL152623	NATIONAL INST OF HEALTH	4,930	-
US Dept of Health and Human Services	Direct	93.837	F31HL152623	NATIONAL INST OF HEALTH	35,238	-
US Dept of Health and Human Services	Direct	93.837	F31HL154613	NATIONAL INST OF HEALTH	236	-
US Dept of Health and Human Services	Direct	93.837	1RHL140319A	NATIONAL HEART LUNG AND BLOOD INST	44,131	-
US Dept of Health and Human Services	Direct	93.837	KHL128843A	NATIONAL HEART LUNG AND BLOOD INST	55,206	-
US Dept of Health and Human Services	Direct	93.837	PHL070687C	NATIONAL HEART LUNG AND BLOOD INST	39,464	-

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of Health and Human Services	Direct	93.837	PHL070687C	NATIONAL HEART LUNG AND BLOOD INST	\$ 45,193	\$ -
US Dept of Health and Human Services	Direct	93.837	PHL070687C	NATIONAL HEART LUNG AND BLOOD INST	54,923	-
US Dept of Health and Human Services	Direct	93.837	PHL070687C	NATIONAL HEART LUNG AND BLOOD INST	85,861	-
US Dept of Health and Human Services	Direct	93.837	PHL070687C	NATIONAL HEART LUNG AND BLOOD INST	113,561	-
US Dept of Health and Human Services	Direct	93.837	PHL070687C	NATIONAL HEART LUNG AND BLOOD INST	119,722	-
US Dept of Health and Human Services	Direct	93.837	PHL070687C	NATIONAL HEART LUNG AND BLOOD INST	239,070	-
US Dept of Health and Human Services	Direct	93.837	R01HL149777	NATIONAL INST OF HEALTH	471,829	9,590
US Dept of Health and Human Services	Direct	93.837	R01HL151413	NATIONAL INST OF HEALTH	264,523	-
US Dept of Health and Human Services	Direct	93.837	R01HL151505	NATIONAL INST OF HEALTH	167,773	7,124
US Dept of Health and Human Services	Direct	93.837	R25HL103156	NATIONAL INST OF HEALTH	18,957	-
US Dept of Health and Human Services	Direct	93.837	R56HL109327	NATIONAL HEART LUNG AND BLOOD INST	57,846	4,554
US Dept of Health and Human Services	Direct	93.837	R61HL144896	NATIONAL HEART LUNG AND BLOOD INST	427,912	197,577
US Dept of Health and Human Services	Direct	93.837	RHL103156B	NATIONAL INST OF HEALTH	21,011	-
US Dept of Health and Human Services	Direct	93.837	RHL128628B	NATIONAL INST OF HEALTH	211,921	-
US Dept of Health and Human Services	Direct	93.837	RHL134841A	NATIONAL INST OF HEALTH	419,485	352,610
US Dept of Health and Human Services	Direct	93.837	RHL137694A	NATIONAL INST OF HEALTH	375,728	12,978
US Dept of Health and Human Services	Direct	93.846	R21AR073544	NATIONAL INST OF ARTHRITIS AND MUSCULOSKELETAL AND SKIN DISEASES	100,819	-
US Dept of Health and Human Services	Direct	93.846	U01AR075470	NATIONAL INST OF HEALTH	316,701	15,689
US Dept of Health and Human Services	Direct	93.847	1R01DK112695	NATIONAL INST OF HEALTH	133,929	-
US Dept of Health and Human Services	Direct	93.847	3R01DK103723-05S1	NATIONAL INST OF HEALTH	439	-
US Dept of Health and Human Services	Direct	93.847	3R01DK110665-02S1	NATIONAL INST DIABETES AND DIGESTIVE AND KIDNEY DISEASES	15,539	-
US Dept of Health and Human Services	Direct	93.847	7K01DK103840-05	NATIONAL INST DIABETES AND DIGESTIVE AND KIDNEY DISEASES	88,237	-
US Dept of Health and Human Services	Direct	93.847	F30DK124987	NATIONAL INST OF HEALTH	150	-
US Dept of Health and Human Services	Direct	93.847	F30DK124987	NATIONAL INST OF HEALTH	47,417	-
US Dept of Health and Human Services	Direct	93.847	F31DK121373	NATIONAL INST OF HEALTH	37,396	-
US Dept of Health and Human Services	Direct	93.847	F32DK121423	NATIONAL INST OF HEALTH	7,270	-
US Dept of Health and Human Services	Direct	93.847	R01DK103723	NATIONAL INST OF HEALTH	154,991	-
US Dept of Health and Human Services	Direct	93.847	R01DK103808	NATIONAL INST OF HEALTH	425,640	-
US Dept of Health and Human Services	Direct	93.847	R01DK119615	NATIONAL INST DIABETES AND DIGESTIVE AND KIDNEY DISEASES	24,370	-
US Dept of Health and Human Services	Direct	93.847	R01DK119615	NATIONAL INST OF HEALTH	301,925	132,054
US Dept of Health and Human Services	Direct	93.847	R01DK120289	NATIONAL INST OF HEALTH	397,738	64,460
US Dept of Health and Human Services	Direct	93.847	R01DK120662	NATIONAL INST OF HEALTH	560,549	110,628
US Dept of Health and Human Services	Direct	93.847	R01DK121272	NATIONAL INST OF HEALTH	423,669	29,025
US Dept of Health and Human Services	Direct	93.847	R01DK122813	NATIONAL INST OF HEALTH	232,456	20,573
US Dept of Health and Human Services	Direct	93.847	RD103723A	NATIONAL INST OF HEALTH	(805)	-
US Dept of Health and Human Services	Direct	93.847	RD103723A	NATIONAL INST OF HEALTH	549	-
US Dept of Health and Human Services	Direct	93.847	RD105468B	NATIONAL INST OF HEALTH	183,017	65,814
US Dept of Health and Human Services	Direct	93.847	RD105503B	NATIONAL INST OF HEALTH	217,862	99,518
US Dept of Health and Human Services	Direct	93.847	RD107697A	NATIONAL INST OF HEALTH	39,817	-
US Dept of Health and Human Services	Direct	93.847	RD110665A	NATIONAL INST OF HEALTH	(136,919)	-
US Dept of Health and Human Services	Direct	93.847	RD111475A	NATIONAL INST OF HEALTH	304,917	-
US Dept of Health and Human Services	Direct	93.853	RNS105888A	NATIONAL INST OF HEALTH	604,982	165,330
US Dept of Health and Human Services	Direct	93.853	1R01NS104306-01	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	291,761	-
US Dept of Health and Human Services	Direct	93.853	1R01NS107451-01A1	NATIONAL INST OF HEALTH	420,113	19,830
US Dept of Health and Human Services	Direct	93.853	1R01NS107451-01A1S1	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	55,363	-
US Dept of Health and Human Services	Direct	93.853	1R21NS116496-01	NATIONAL INST OF HEALTH	203,127	-
US Dept of Health and Human Services	Direct	93.853	1R61NS111347-01A1	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	41,927	-
US Dept of Health and Human Services	Direct	93.853	5R00NS096108	NATIONAL INST OF HEALTH	178,867	-
US Dept of Health and Human Services	Direct	93.853	5R00NS096108-04	NATIONAL INST OF HEALTH	40,216	-
US Dept of Health and Human Services	Direct	93.853	5R21NS096637-02	NATIONAL INST OF HEALTH	(383)	-
US Dept of Health and Human Services	Direct	93.853	F31NS110321	NATIONAL INST OF HEALTH	6,377	-
US Dept of Health and Human Services	Direct	93.853	F99NS118738	NATIONAL INST OF HEALTH	2,146	-
US Dept of Health and Human Services	Direct	93.853	F99NS118738	NATIONAL INST OF HEALTH	31,402	-
US Dept of Health and Human Services	Direct	93.853	K23NS112463	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	122,129	-
US Dept of Health and Human Services	Direct	93.853	R01NS105826	NATIONAL INST OF HEALTH	337,573	-
US Dept of Health and Human Services	Direct	93.853	R01NS110398	NATIONAL INST OF HEALTH	758,937	444,849
US Dept of Health and Human Services	Direct	93.853	R01NS116080	NATIONAL INST OF HEALTH	387,437	176,346
US Dept of Health and Human Services	Direct	93.853	R01NS122510	NATIONAL INST OF HEALTH	164,616	75,771
US Dept of Health and Human Services	Direct	93.853	R21NS098173-S1	NATIONAL INST OF HEALTH	(9,951)	-
US Dept of Health and Human Services	Direct	93.853	R21NS111333	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	208,720	17,490
US Dept of Health and Human Services	Direct	93.853	R25NS090989	NATIONAL INST OF HEALTH	54,982	-
US Dept of Health and Human Services	Direct	93.853	R33NS099416	NATIONAL INST OF HEALTH	30,136	12,580
US Dept of Health and Human Services	Direct	93.853	R61NS111347	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	453,919	-
US Dept of Health and Human Services	Direct	93.853	RNS045195D	NATIONAL INST OF HEALTH	162,924	-
US Dept of Health and Human Services	Direct	93.853	RNS072171C	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	131,854	6,584
US Dept of Health and Human Services	Direct	93.853	RNS090989A	NATIONAL INST OF HEALTH	185,886	-
US Dept of Health and Human Services	Direct	93.853	RNS094460A	NATIONAL INST OF HEALTH	121,445	27,819
US Dept of Health and Human Services	Direct	93.853	RNS098173A	NATIONAL INST OF HEALTH	124,032	-
US Dept of Health and Human Services	Direct	93.853	RNS098231A	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	372,917	-
US Dept of Health and Human Services	Direct	93.853	UF1NS115817	NATIONAL INST OF HEALTH	579,515	94,181
US Dept of Health and Human Services	Direct	93.855	1R01AI121178-01A1	NATIONAL INST OF ALLERGY AND INFECTIOUS DISEASES	79,073	-
US Dept of Health and Human Services	Direct	93.855	1R01AI121178-01A1	NATIONAL INST OF ALLERGY AND INFECTIOUS DISEASES	97,829	-
US Dept of Health and Human Services	Direct	93.855	1R21AI138707-01	NATIONAL INST OF HEALTH	54	-
US Dept of Health and Human Services	Direct	93.855	1R21AI138707-01	NATIONAL INST OF HEALTH	70,365	-
US Dept of Health and Human Services	Direct	93.855	1R21AI140413-01A1	NATIONAL INST OF HEALTH	87,250	-
US Dept of Health and Human Services	Direct	93.855	1R21AI144395-01	NATIONAL INST OF HEALTH	65,830	-
US Dept of Health and Human Services	Direct	93.855	1R21AI144395-01	NATIONAL INST OF HEALTH	66,529	-
US Dept of Health and Human Services	Direct	93.855	1R21AI144504-01	NATIONAL INST OF HEALTH	120,493	-
US Dept of Health and Human Services	Direct	93.855	3U19AI089683-10S1	NATIONAL INST OF ALLERGY AND INFECTIOUS DISEASES	397,638	339,818
US Dept of Health and Human Services	Direct	93.855	5R21AI122863-02	NATIONAL INST OF HEALTH	15,263	-
US Dept of Health and Human Services	Direct	93.855	R01AI047153-16A1	NATIONAL INST OF ALLERGY AND INFECTIOUS DISEASES	411,947	-
US Dept of Health and Human Services	Direct	93.855	R01AI139039	NATIONAL INST OF HEALTH	245,177	-
US Dept of Health and Human Services	Direct	93.855	R01AI145504	NATIONAL INST OF HEALTH	215,497	-
US Dept of Health and Human Services	Direct	93.855	R01AI145925	NATIONAL INST OF HEALTH	293,321	23,642
US Dept of Health and Human Services	Direct	93.855	R01AI146210	NATIONAL INST OF HEALTH	335,660	137,208
US Dept of Health and Human Services	Direct	93.855	R01AI147634	NATIONAL INST OF HEALTH	168,158	-
US Dept of Health and Human Services	Direct	93.855	R01AI150855	NATIONAL INST OF HEALTH	210,413	-
US Dept of Health and Human Services	Direct	93.855	R01AI158433	NATIONAL INST OF HEALTH	56,610	-
US Dept of Health and Human Services	Direct	93.855	R03AI153454	NATIONAL INST OF HEALTH	51,548	-
US Dept of Health and Human Services	Direct	93.855	R21AI138345	NATIONAL INST OF HEALTH	59,883	-
US Dept of Health and Human Services	Direct	93.855	R21AI142173	NATIONAL INST OF HEALTH	216,331	-
US Dept of Health and Human Services	Direct	93.855	R21AI142517	NATIONAL INST OF HEALTH	111,598	-
US Dept of Health and Human Services	Direct	93.855	R21AI146504	NATIONAL INST OF HEALTH	210,411	-
US Dept of Health and Human Services	Direct	93.855	R21AI148909	NATIONAL INST OF HEALTH	95,711	-
US Dept of Health and Human Services	Direct	93.855	R21AI148909	NATIONAL INST OF HEALTH	102,574	-
US Dept of Health and Human Services	Direct	93.855	R21AI148961	NATIONAL INST OF HEALTH	220,358	-
US Dept of Health and Human Services	Direct	93.855	R21AI152554	NATIONAL INST OF HEALTH	165,837	-
US Dept of Health and Human Services	Direct	93.855	R21AI154192	NATIONAL INST OF HEALTH	133,205	-
US Dept of Health and Human Services	Direct	93.855	RAI116605A	NATIONAL INST OF HEALTH	147,916	16,746
US Dept of Health and Human Services	Direct	93.855	RAI130554A	NATIONAL INST OF HEALTH	1,051	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of Health and Human Services	Direct	93.855	RA1133094A	NATIONAL INST OF HEALTH	\$ 36,855	\$ 33,445
US Dept of Health and Human Services	Direct	93.855	RA1139074A	NATIONAL INST OF HEALTH	301,615	-
US Dept of Health and Human Services	Direct	93.855	RAI21178A	NATIONAL INST OF ALLERGY AND INFECTIOUS DISEASES	375,487	-
US Dept of Health and Human Services	Direct	93.855	UA1089683C	NATIONAL INST OF ALLERGY AND INFECTIOUS DISEASES	1,043,891	789,048
US Dept of Health and Human Services	Direct	93.855	UA1126610A	NATIONAL INST OF HEALTH	1,683,199	1,322,826
US Dept of Health and Human Services	Direct	93.859	1R01GM124137	NATIONAL INST OF HEALTH	273,147	-
US Dept of Health and Human Services	Direct	93.859	1R01GM125743-01	NATIONAL INST OF HEALTH	332,051	-
US Dept of Health and Human Services	Direct	93.859	1R01GM127431-01	NATIONAL INST OF HEALTH	374,726	14,364
US Dept of Health and Human Services	Direct	93.859	1R25GM116761	NATIONAL INST OF HEALTH	306,462	-
US Dept of Health and Human Services	Direct	93.859	1R35GM128948-01	NATIONAL INST OF HEALTH	292,343	-
US Dept of Health and Human Services	Direct	93.859	1R35GM128765-01	NATIONAL INST OF HEALTH	371,234	-
US Dept of Health and Human Services	Direct	93.859	2T32GM092715-06	NATIONAL INST OF HEALTH	18,389	-
US Dept of Health and Human Services	Direct	93.859	2T32GM110523-06	NATIONAL INST OF HEALTH	99,281	-
US Dept of Health and Human Services	Direct	93.859	3R35GM128948-02S1	NATIONAL INST OF HEALTH	94	-
US Dept of Health and Human Services	Direct	93.859	4R01GM100908-05	NATIONAL INST OF MENTAL HEALTH	(15,144)	-
US Dept of Health and Human Services	Direct	93.859	5T32GM110523-07	NATIONAL INST OF HEALTH	82,496	-
US Dept of Health and Human Services	Direct	93.859	DP2GM142307	NATIONAL INST OF HEALTH	81,656	-
US Dept of Health and Human Services	Direct	93.859	F32GM134595	NATIONAL INST OF HEALTH	20,332	-
US Dept of Health and Human Services	Direct	93.859	F32GM134595	NATIONAL INST OF HEALTH	38,936	-
US Dept of Health and Human Services	Direct	93.859	F32GM139292	NATIONAL INST OF HEALTH	7,447	-
US Dept of Health and Human Services	Direct	93.859	F32GM139292	NATIONAL INST OF HEALTH	46,941	-
US Dept of Health and Human Services	Direct	93.859	R00GM120386	NATIONAL INST OF HEALTH	244,013	-
US Dept of Health and Human Services	Direct	93.859	R01 GM129004	NATIONAL INST OF GENERAL MEDICAL SCIENCES	333,668	-
US Dept of Health and Human Services	Direct	93.859	R01GM043585	NATIONAL INST OF HEALTH	178,481	-
US Dept of Health and Human Services	Direct	93.859	R01GM057440	NATIONAL INST OF HEALTH	157,980	79,421
US Dept of Health and Human Services	Direct	93.859	R01GM063188	NATIONAL INST OF HEALTH	6,000	-
US Dept of Health and Human Services	Direct	93.859	R01GM072667	NATIONAL INST OF HEALTH	79,903	44,568
US Dept of Health and Human Services	Direct	93.859	R01GM101353	NATIONAL INST OF HEALTH	6,000	-
US Dept of Health and Human Services	Direct	93.859	R01GM101353	NATIONAL INST OF HEALTH	107,613	-
US Dept of Health and Human Services	Direct	93.859	R01GM115459	NATIONAL INST OF HEALTH	73,340	-
US Dept of Health and Human Services	Direct	93.859	R01GM115459	NATIONAL INST OF HEALTH	339,497	-
US Dept of Health and Human Services	Direct	93.859	R01GM121499	NATIONAL INST OF HEALTH	296,247	-
US Dept of Health and Human Services	Direct	93.859	R01GM125991	NATIONAL INST OF HEALTH	35,448	-
US Dept of Health and Human Services	Direct	93.859	R01GM125991	NATIONAL INST OF HEALTH	70,070	-
US Dept of Health and Human Services	Direct	93.859	R01GM125991	NATIONAL INST OF HEALTH	335,588	34,858
US Dept of Health and Human Services	Direct	93.859	R01GM126189	NATIONAL INST OF HEALTH	51,135	-
US Dept of Health and Human Services	Direct	93.859	R01GM126189	NATIONAL INST OF HEALTH	232,010	-
US Dept of Health and Human Services	Direct	93.859	R01GM128959	NATIONAL INST OF HEALTH	62,534	-
US Dept of Health and Human Services	Direct	93.859	R01GM128959	NATIONAL INST OF HEALTH	82,839	-
US Dept of Health and Human Services	Direct	93.859	R01GM128959	NATIONAL INST OF HEALTH	179,473	-
US Dept of Health and Human Services	Direct	93.859	R01GM130641	NATIONAL INST OF HEALTH	352,871	-
US Dept of Health and Human Services	Direct	93.859	R01GM130794	NATIONAL INST OF HEALTH	435,849	-
US Dept of Health and Human Services	Direct	93.859	R01GM131398	NATIONAL INST OF HEALTH	126,681	-
US Dept of Health and Human Services	Direct	93.859	R01GM131398	NATIONAL INST OF HEALTH	316,388	-
US Dept of Health and Human Services	Direct	93.859	R01GM132490	NATIONAL INST OF HEALTH	289,222	-
US Dept of Health and Human Services	Direct	93.859	R01GM134307	NATIONAL INST OF HEALTH	352,186	96,886
US Dept of Health and Human Services	Direct	93.859	R01GM135929	NATIONAL INST OF HEALTH	405,285	227,377
US Dept of Health and Human Services	Direct	93.859	R01GM138423	NATIONAL INST OF HEALTH	107,157	-
US Dept of Health and Human Services	Direct	93.859	R21GM139881	NATIONAL INST OF HEALTH	44,081	-
US Dept of Health and Human Services	Direct	93.859	R25GM132964	NATIONAL INST OF HEALTH	284,521	-
US Dept of Health and Human Services	Direct	93.859	R25GM135058	NATIONAL INST OF HEALTH	43,338	-
US Dept of Health and Human Services	Direct	93.859	R35GM131759	NATIONAL INST OF HEALTH	30,613	-
US Dept of Health and Human Services	Direct	93.859	R35GM131759	NATIONAL INST OF HEALTH	131,513	-
US Dept of Health and Human Services	Direct	93.859	R35GM131762	NATIONAL INST OF HEALTH	24,438	-
US Dept of Health and Human Services	Direct	93.859	R35GM131762	NATIONAL INST OF HEALTH	404,819	-
US Dept of Health and Human Services	Direct	93.859	R35GM136263	NATIONAL INST OF HEALTH	296,922	54,244
US Dept of Health and Human Services	Direct	93.859	R35GM136637	NATIONAL INST OF HEALTH	149,944	-
US Dept of Health and Human Services	Direct	93.859	R35GM137919	NATIONAL INST OF HEALTH	153,353	-
US Dept of Health and Human Services	Direct	93.859	R35GM139537	NATIONAL INST OF HEALTH	192,287	-
US Dept of Health and Human Services	Direct	93.859	R35GM140803	NATIONAL INST OF HEALTH	398	-
US Dept of Health and Human Services	Direct	93.859	R35GM140931	NATIONAL INST OF HEALTH	51,532	-
US Dept of Health and Human Services	Direct	93.859	RGM063188D	NATIONAL INST OF HEALTH	185,953	-
US Dept of Health and Human Services	Direct	93.859	RGM072667D	NATIONAL INST OF HEALTH	7,645	-
US Dept of Health and Human Services	Direct	93.859	RGM094534B	NATIONAL INST OF HEALTH	87,623	41,050
US Dept of Health and Human Services	Direct	93.859	RGM101038B	NATIONAL INST OF HEALTH	15,105	-
US Dept of Health and Human Services	Direct	93.859	RGM109259A	NATIONAL INST OF HEALTH	32,743	32,739
US Dept of Health and Human Services	Direct	93.859	RGM109928A	NATIONAL INST OF HEALTH	66,766	-
US Dept of Health and Human Services	Direct	93.859	RGM110185A	NATIONAL INST OF HEALTH	22,701	-
US Dept of Health and Human Services	Direct	93.859	RGM115373A	NATIONAL INST OF HEALTH	(3,117)	-
US Dept of Health and Human Services	Direct	93.859	RGM115475A	NATIONAL INST OF HEALTH	19	-
US Dept of Health and Human Services	Direct	93.859	RGM118685A	NATIONAL INST OF HEALTH	117,015	-
US Dept of Health and Human Services	Direct	93.859	RGM122085A	NATIONAL INST OF HEALTH	275,876	128,130
US Dept of Health and Human Services	Direct	93.859	T32GM092715	NATIONAL INST OF HEALTH	182,967	-
US Dept of Health and Human Services	Direct	93.865	1R01HD094842-01	NATIONAL INST OF HEALTH	452,153	260,077
US Dept of Health and Human Services	Direct	93.865	1R01HD098027-01	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	590,546	348,273
US Dept of Health and Human Services	Direct	93.865	1R03HD097085-01-L	NATIONAL INST OF HEALTH	29,571	-
US Dept of Health and Human Services	Direct	93.865	1R21HD083058-01A1	NATIONAL INST OF HEALTH	(501)	-
US Dept of Health and Human Services	Direct	93.865	1R21HD090406-01A1	NATIONAL INST OF HEALTH	6,784	-
US Dept of Health and Human Services	Direct	93.865	1T32HD087166-01	NATIONAL INST OF HEALTH	49,588	-
US Dept of Health and Human Services	Direct	93.865	2R01HD042280-10A1	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	225,324	11,174
US Dept of Health and Human Services	Direct	93.865	3R21HD088169-02S1	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	120,741	60,580
US Dept of Health and Human Services	Direct	93.865	5R21HD088169-02	NATIONAL INST OF HEALTH	126	-
US Dept of Health and Human Services	Direct	93.865	F31HD101207	NATIONAL INST OF HEALTH	4,200	-
US Dept of Health and Human Services	Direct	93.865	F31HD101207	NATIONAL INST OF HEALTH	24,893	-
US Dept of Health and Human Services	Direct	93.865	F31HD102094	NATIONAL INST OF HEALTH	4,200	-
US Dept of Health and Human Services	Direct	93.865	F31HD102094	NATIONAL INST OF HEALTH	30,483	-
US Dept of Health and Human Services	Direct	93.865	F31HD103209	NATIONAL INST OF HEALTH	4,200	-
US Dept of Health and Human Services	Direct	93.865	F31HD103209	NATIONAL INST OF HEALTH	27,255	-
US Dept of Health and Human Services	Direct	93.865	F32HD098780	NATIONAL INST OF HEALTH	55,348	-
US Dept of Health and Human Services	Direct	93.865	F32HD104478	NATIONAL INST OF HEALTH	6,149	-
US Dept of Health and Human Services	Direct	93.865	F32HD104478	NATIONAL INST OF HEALTH	29,230	-
US Dept of Health and Human Services	Direct	93.865	R00HD084759	NATIONAL INST OF HEALTH	91,640	-
US Dept of Health and Human Services	Direct	93.865	R01HD072968	NATIONAL INST OF HEALTH	706,615	-
US Dept of Health and Human Services	Direct	93.865	R01HD084494	NATIONAL INST OF HEALTH	229,024	-
US Dept of Health and Human Services	Direct	93.865	R01HD095371-01	NATIONAL INST OF HEALTH	334,490	-
US Dept of Health and Human Services	Direct	93.865	R01HD095951	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	120,473	24,208
US Dept of Health and Human Services	Direct	93.865	R01HD095951	NATIONAL INST OF HEALTH	254,686	71,511
US Dept of Health and Human Services	Direct	93.865	R01HD096033	NATIONAL INST OF HEALTH	355,622	230,541
US Dept of Health and Human Services	Direct	93.865	R01HD096259	NATIONAL INST OF HEALTH	515,291	136,271
US Dept of Health and Human Services	Direct	93.865	R01HD099090	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	169,639	-

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of Health and Human Services	Direct	93.865	R01HD100469	NATIONAL INST OF HEALTH	\$ 517,997	\$ 160,680
US Dept of Health and Human Services	Direct	93.865	R01HD100471	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	213,262	-
US Dept of Health and Human Services	Direct	93.865	R01HD100832	NATIONAL INST OF HEALTH	212,160	-
US Dept of Health and Human Services	Direct	93.865	R01HD101243	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	367,558	-
US Dept of Health and Human Services	Direct	93.865	R01HD102170	NATIONAL INST OF HEALTH	59,001	-
US Dept of Health and Human Services	Direct	93.865	R01HD102527	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	321,396	9,052
US Dept of Health and Human Services	Direct	93.865	R03 HD09614	NATIONAL INST OF HEALTH	34,886	6,828
US Dept of Health and Human Services	Direct	93.865	R03HD091640	NATIONAL INST OF HEALTH	16,869	7,662
US Dept of Health and Human Services	Direct	93.865	R03HD100775	NATIONAL INST OF HEALTH	82,183	8,427
US Dept of Health and Human Services	Direct	93.865	R03HD103493	NATIONAL INST OF HEALTH	57,357	-
US Dept of Health and Human Services	Direct	93.865	R21HD096358	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	184,090	170,366
US Dept of Health and Human Services	Direct	93.865	R21HD097609	NATIONAL INST OF HEALTH	196,431	25,048
US Dept of Health and Human Services	Direct	93.865	R21HD098588	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	191,415	129,349
US Dept of Health and Human Services	Direct	93.865	R21HD099383	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	163,201	-
US Dept of Health and Human Services	Direct	93.865	R21HD099614	NATIONAL INST OF HEALTH	73,151	47,203
US Dept of Health and Human Services	Direct	93.865	R21HD100959	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	172,200	-
US Dept of Health and Human Services	Direct	93.865	R21HD102907	NATIONAL INST OF HEALTH	164,477	28,658
US Dept of Health and Human Services	Direct	93.865	R21HD103039	NATIONAL INST OF HEALTH	144,719	75,826
US Dept of Health and Human Services	Direct	93.865	RHD083273A	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	226,706	-
US Dept of Health and Human Services	Direct	93.865	RHD084377A	NATIONAL INST OF HEALTH	361,929	162,563
US Dept of Health and Human Services	Direct	93.865	RHD084478A	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	324,300	-
US Dept of Health and Human Services	Direct	93.865	RHD085990A	NATIONAL INST OF HEALTH	524,914	266,911
US Dept of Health and Human Services	Direct	93.865	RHD086062B	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	136,895	-
US Dept of Health and Human Services	Direct	93.865	RHD091429A	NATIONAL INST OF HEALTH	(4,652)	-
US Dept of Health and Human Services	Direct	93.865	RHD093334A	NATIONAL INST OF HEALTH	442,422	301,505
US Dept of Health and Human Services	Direct	93.865	T32HD087166	NATIONAL INST OF HEALTH	195,671	-
US Dept of Health and Human Services	Direct	93.866	1 R01 AG 062217-01	NATIONAL INST OF HEALTH	636,280	-
US Dept of Health and Human Services	Direct	93.866	1R01AG062435-01	NATIONAL INST OF HEALTH	294,828	-
US Dept of Health and Human Services	Direct	93.866	7R01AG051500-3	NATIONAL INST OF HEALTH	747,341	153,589
US Dept of Health and Human Services	Direct	93.866	PO 3066105620	UNIVERSITY OF MICHIGAN	14,354	-
US Dept of Health and Human Services	Direct	93.866	R01AG060731	NATIONAL INST OF HEALTH	499,499	-
US Dept of Health and Human Services	Direct	93.866	R01AG061118	NATIONAL INST OF HEALTH	239,776	-
US Dept of Health and Human Services	Direct	93.866	R01AG066223	NATIONAL INST OF HEALTH	6,435	-
US Dept of Health and Human Services	Direct	93.866	R01AG066223	NATIONAL INST OF HEALTH	23,022	-
US Dept of Health and Human Services	Direct	93.866	R01AG066223	NATIONAL INST OF HEALTH	322,009	-
US Dept of Health and Human Services	Direct	93.866	R01AG067762	NATIONAL INST OF HEALTH	324,013	-
US Dept of Health and Human Services	Direct	93.866	R03AG062936	NATIONAL INST OF HEALTH	59,933	-
US Dept of Health and Human Services	Direct	93.866	R21AG054960	NATIONAL INST ON AGING	67,360	16,949
US Dept of Health and Human Services	Direct	93.866	R21AG057951	NATIONAL INST ON AGING	127,184	-
US Dept of Health and Human Services	Direct	93.866	R21AG061306	NATIONAL INST OF HEALTH	175,070	-
US Dept of Health and Human Services	Direct	93.866	R21AG065712	NATIONAL INST OF HEALTH	209,224	-
US Dept of Health and Human Services	Direct	93.866	R21AG067400	NATIONAL INST OF HEALTH	242,777	55,514
US Dept of Health and Human Services	Direct	93.866	RAG044372A	NATIONAL INST OF HEALTH	(14)	-
US Dept of Health and Human Services	Direct	93.867	1F32EY028426-01A1	NATIONAL INST OF HEALTH	46,345	-
US Dept of Health and Human Services	Direct	93.867	5R01EY016077	NATIONAL INST OF HEALTH	(2,253)	-
US Dept of Health and Human Services	Direct	93.867	5T35OD016477-18	NATIONAL INST OF HEALTH	5,823	-
US Dept of Health and Human Services	Direct	93.867	FEY030029A	NATIONAL INST OF HEALTH	43,647	-
US Dept of Health and Human Services	Direct	93.867	R01EY030766	NATIONAL INST OF HEALTH	477,526	137,182
US Dept of Health and Human Services	Direct	93.867	REY016077C	NATIONAL INST OF HEALTH	(16,170)	23,722
US Dept of Health and Human Services	Direct	93.867	REY025752A	NATIONAL INST OF HEALTH	569,850	105,332
US Dept of Health and Human Services	Direct	93.867	REY027285A	NATIONAL INST OF HEALTH	1,033,230	476,004
US Dept of Health and Human Services	Direct	93.867	REY028049A	NATIONAL INST OF HEALTH	428,997	-
US Dept of Health and Human Services	Direct	93.867	T35OD016477	NATIONAL INST OF HEALTH	98,651	-
US Dept of Health and Human Services	Direct	93.989	1R21TW010896	NATIONAL INST OF HEALTH	19,827	12,547
US Dept of Health and Human Services	Direct	93.989	5R21TW010896-02S2	NATIONAL INST OF HEALTH	92,475	43,692
US Dept of Health and Human Services	Direct	93.989	R21TW011339	NATIONAL INST OF HEALTH	63,397	-
	Direct Total				76,173,168	14,316,325
US Dept of Health and Human Services	Pass-through	93.RD	75N91020C00015	DIGIDENCE	34,661	-
US Dept of Health and Human Services	Pass-through	93.RD	E1A11	NRG ONCOLOGY	2,526	-
US Dept of Health and Human Services	Pass-through	93.RD	MIC-270466	MAYO CLINIC	29,694	-
US Dept of Health and Human Services	Pass-through	93.RD	NCT02775383	NRG ONCOLOGY	2,062	-
US Dept of Health and Human Services	Pass-through	93.RD	S1418/BR006	NRG ONCOLOGY	1,213	-
US Dept of Health and Human Services	Pass-through	93.001	B-43	NRG ONCOLOGY	1,155	-
US Dept of Health and Human Services	Pass-through	93.001	B-47	NRG ONCOLOGY	529	-
US Dept of Health and Human Services	Pass-through	93.070	E20201301-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	(1,890)	-
US Dept of Health and Human Services	Pass-through	93.070	E20212408-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	25,156	-
US Dept of Health and Human Services	Pass-through	93.073	B11191_MSU	HENRY FORD HEALTH SYSTEM	59,307	-
US Dept of Health and Human Services	Pass-through	93.084	723K866	UNIVERSITY OF WISCONSIN	326,381	-
US Dept of Health and Human Services	Pass-through	93.110	SUBK00009095	UNIVERSITY OF MICHIGAN	4,585	-
US Dept of Health and Human Services	Pass-through	93.113	1009036	OREGON HEALTH AND SCIENCE UNIVERSITY	84,588	-
US Dept of Health and Human Services	Pass-through	93.113	19-579-MSU	WEST VIRGINIA UNIV	13,126	-
US Dept of Health and Human Services	Pass-through	93.113	3RBB7	UNIVERSITY OF NEW MEXICO	145,414	-
US Dept of Health and Human Services	Pass-through	93.113	7151-MS-Y01	SILENT SPRING INST	8,136	-
US Dept of Health and Human Services	Pass-through	93.113	AWD101249 (SUB00000306)	UNIVERSITY OF CHICAGO	8,748	-
US Dept of Health and Human Services	Pass-through	93.121	2R44-04-01	NANOMAG LLC	8,600	-
US Dept of Health and Human Services	Pass-through	93.121	56437	UNIVERSITY OF DELAWARE	15,765	-
US Dept of Health and Human Services	Pass-through	93.121	S01206-01	UNIVERSITY OF IOWA	109,884	-
US Dept of Health and Human Services	Pass-through	93.121	SUBK00008454	UNIVERSITY OF MICHIGAN	28,999	-
US Dept of Health and Human Services	Pass-through	93.135	SUBK00009677	UNIVERSITY OF MICHIGAN	118,038	-
US Dept of Health and Human Services	Pass-through	93.136	SP000014514-01	GEORGIA STATE UNIV	14,508	-
US Dept of Health and Human Services	Pass-through	93.136	WSU20029 Grant Index # 340518	WAYNE STATE UNIV	22,344	-
US Dept of Health and Human Services	Pass-through	93.136	WSU21001	WAYNE STATE UNIV	7,428	-
US Dept of Health and Human Services	Pass-through	93.173	0044466 (125619-1)	UNIVERSITY OF PITTSBURGH	38,132	-
US Dept of Health and Human Services	Pass-through	93.173	18-0527	BRIGHAM YOUNG UNIV	27,859	-
US Dept of Health and Human Services	Pass-through	93.173	3004138691	UNIVERSITY OF MICHIGAN	324,559	-
US Dept of Health and Human Services	Pass-through	93.173	55543	UNIVERSITY OF DELAWARE	97,900	-
US Dept of Health and Human Services	Pass-through	93.173	60051342	OHIO STATE UNIV	28,923	-
US Dept of Health and Human Services	Pass-through	93.173	800198	DREXEL UNIV	3,514	-
US Dept of Health and Human Services	Pass-through	93.173	82910	SHIRLEY RYAN ABILITYLAB	30,929	-
US Dept of Health and Human Services	Pass-through	93.173	AWD00002105 (134178-1)	UNIVERSITY OF PITTSBURGH	822	-
US Dept of Health and Human Services	Pass-through	93.173	BL-4633518-MSU	INDIANA UNIV	69,211	-
US Dept of Health and Human Services	Pass-through	93.213	00001330	BROWN UNIV	1,237	-
US Dept of Health and Human Services	Pass-through	93.213	85493-20283201	UNIVERSITY OF MARYLAND	15,861	-
US Dept of Health and Human Services	Pass-through	93.242	18A0-00-1001852	NEW YORK UNIV	(307)	-
US Dept of Health and Human Services	Pass-through	93.242	5001421	BUTLER HOSPITAL	16,822	-
US Dept of Health and Human Services	Pass-through	93.242	5-27254	SCRIPPS RESEARCH INST	48,918	-
US Dept of Health and Human Services	Pass-through	93.242	A20-05857-S001	UNIVERSITY OF CALIFORNIA DAVIS	31,058	-
US Dept of Health and Human Services	Pass-through	93.242	E2049281	GEORGE MASON UNIV	197,441	-
US Dept of Health and Human Services	Pass-through	93.242	Project CARE	BROWN UNIV	17,319	-
US Dept of Health and Human Services	Pass-through	93.242	SUBK00011439	UNIVERSITY OF MICHIGAN	19,665	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of Health and Human Services	Pass-through	93.242	SUBK00012602	UNIVERSITY OF MICHIGAN	\$ 114,493	\$ -
US Dept of Health and Human Services	Pass-through	93.243	1H70T080350	FLINT ODYSSEY HOUSE HEALTH AWARENESS CENTER	25,896	-
US Dept of Health and Human Services	Pass-through	93.262	900452-01	UNIVERSITY OF IOWA	7,789	-
US Dept of Health and Human Services	Pass-through	93.273	9053-8349	BUTLER HOSPITAL	(158)	-
US Dept of Health and Human Services	Pass-through	93.273	SUBK00014130	UNIVERSITY OF MICHIGAN	33,041	-
US Dept of Health and Human Services	Pass-through	93.279	12219SUB	SEATTLE CHILDRENS HOSPITAL	11,076	-
US Dept of Health and Human Services	Pass-through	93.279	12435SUB	SEATTLE CHILDRENS HOSPITAL	15,270	-
US Dept of Health and Human Services	Pass-through	93.279	18-023	UNIVERSITY OF TEXAS MEDICAL BRANCH	109,683	-
US Dept of Health and Human Services	Pass-through	93.279	19-84521	UNIVERSITY OF TEXAS MEDICAL BRANCH	(1,917)	-
US Dept of Health and Human Services	Pass-through	93.279	E2052503	GEORGE MASON UNIV	224,318	-
US Dept of Health and Human Services	Pass-through	93.279	R34DA045831-03	PARTNERSHIP TO END ADDICTION	14,446	-
US Dept of Health and Human Services	Pass-through	93.286	2003719763	JOHNS HOPKINS UNIV	86,150	-
US Dept of Health and Human Services	Pass-through	93.286	SUBK00009663	UNIVERSITY OF MICHIGAN	162	-
US Dept of Health and Human Services	Pass-through	93.307	26036A01-04	UNIVERSITY OF CENTRAL FLORIDA	62,816	-
US Dept of Health and Human Services	Pass-through	93.307	26036A04	UNIVERSITY OF CENTRAL FLORIDA	30,768	-
US Dept of Health and Human Services	Pass-through	93.307	26036A05	UNIVERSITY OF CENTRAL FLORIDA	37,560	-
US Dept of Health and Human Services	Pass-through	93.307	WSU171108	WAYNE STATE UNIV	14,432	-
US Dept of Health and Human Services	Pass-through	93.310	093670-18116	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	17,006	-
US Dept of Health and Human Services	Pass-through	93.310	5114833	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	17,227	-
US Dept of Health and Human Services	Pass-through	93.310	5118542 YRS	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	86,492	-
US Dept of Health and Human Services	Pass-through	93.310	COVID-19 - 5130930	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	9,315	-
US Dept of Health and Human Services	Pass-through	93.310	SUB00001823	UNIVERSITY OF GEORGIA	(905)	-
US Dept of Health and Human Services	Pass-through	93.310	SUB00001823	UNIVERSITY OF GEORGIA	2,359	-
US Dept of Health and Human Services	Pass-through	93.310	SUB00001823	UNIVERSITY OF GEORGIA	239,415	-
US Dept of Health and Human Services	Pass-through	93.351	U-215720B	UNIVERSITY OF OREGON	215,331	-
US Dept of Health and Human Services	Pass-through	93.353	SUBK00010769	UNIVERSITY OF MICHIGAN	101,711	-
US Dept of Health and Human Services	Pass-through	93.361	0001018678	FRED HUTCHINSON CANCER RESEARCH CENTER	4,624	-
US Dept of Health and Human Services	Pass-through	93.361	SUBK00013486	UNIVERSITY OF MICHIGAN	143,818	-
US Dept of Health and Human Services	Pass-through	93.393	481270	UNIVERSITY OF ARIZONA	41,296	-
US Dept of Health and Human Services	Pass-through	93.393	5115142	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	85,362	-
US Dept of Health and Human Services	Pass-through	93.393	580371	UNIVERSITY OF PENNSYLVANIA	140,580	-
US Dept of Health and Human Services	Pass-through	93.393	WSU19079	WAYNE STATE UNIV	2,633	-
US Dept of Health and Human Services	Pass-through	93.394	228473	MASSACHUSETTS GENERAL HOSPITAL	12,263	-
US Dept of Health and Human Services	Pass-through	93.394	750002	PROTEOGENOMICS RESEARCH INST FOR SYSTEMS	128,318	-
US Dept of Health and Human Services	Pass-through	93.395	233016	MASSACHUSETTS GENERAL HOSPITAL	144,134	-
US Dept of Health and Human Services	Pass-through	93.395	450683	UNIVERSITY OF ARIZONA	25,079	-
US Dept of Health and Human Services	Pass-through	93.395	450683	UNIVERSITY OF ARIZONA	31,080	-
US Dept of Health and Human Services	Pass-through	93.395	9500080216-13e	CHILDRENS HOSPITAL OF PHILADELPHIA	5,550	-
US Dept of Health and Human Services	Pass-through	93.395	Subaward No. 8503	INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS	13,856	-
US Dept of Health and Human Services	Pass-through	93.397	3001524217	UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER	16,488	-
US Dept of Health and Human Services	Pass-through	93.397	WSU20027	WAYNE STATE UNIV	(1)	-
US Dept of Health and Human Services	Pass-through	93.434	205081-GSRPEV4	MICHIGAN DEPT OF EDUCATION	60,811	-
US Dept of Health and Human Services	Pass-through	93.434	213971-GSRPEV4	MICHIGAN DEPT OF EDUCATION	60,559	-
US Dept of Health and Human Services	Pass-through	93.600	WSU19130	WAYNE STATE UNIV	63,602	-
US Dept of Health and Human Services	Pass-through	93.624	E20203326-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	(130)	-
US Dept of Health and Human Services	Pass-through	93.788	E20214132-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	62,281	-
US Dept of Health and Human Services	Pass-through	93.837	3004463783	UNIVERSITY OF MICHIGAN	182,505	-
US Dept of Health and Human Services	Pass-through	93.837	0001794718	CEDARS SINAI HEALTH SYSTEM	46,552	-
US Dept of Health and Human Services	Pass-through	93.837	3200002666-20-107	UNIVERSITY OF KENTUCKY	8,396	-
US Dept of Health and Human Services	Pass-through	93.837	3200003472-21-016	UNIVERSITY OF KENTUCKY	105,706	-
US Dept of Health and Human Services	Pass-through	93.837	N008545201	UNIVERSITY OF MINNESOTA	82,042	-
US Dept of Health and Human Services	Pass-through	93.837	WU-19-133	WASHINGTON UNIV IN ST LOUIS	50,170	-
US Dept of Health and Human Services	Pass-through	93.838	540544	UNIVERSITY OF MEMPHIS	42,351	-
US Dept of Health and Human Services	Pass-through	93.838	540544	UNIVERSITY OF MEMPHIS	201,701	-
US Dept of Health and Human Services	Pass-through	93.839	14-001	ALL CHILDRENS RESEARCH INST INC	925	-
US Dept of Health and Human Services	Pass-through	93.839	CNV400054669 (131901-21)	UNIVERSITY OF PITTSBURGH	2,862	-
US Dept of Health and Human Services	Pass-through	93.846	000514824-SP004-003	UNIVERSITY OF ALABAMA AT BIRMINGHAM	3,096	-
US Dept of Health and Human Services	Pass-through	93.846	000514824-SP004-SC003	UNIVERSITY OF ALABAMA AT BIRMINGHAM	(3,117)	-
US Dept of Health and Human Services	Pass-through	93.846	000514824-SP004-SC003-Vaz	UNIVERSITY OF ALABAMA AT BIRMINGHAM	19,446	-
US Dept of Health and Human Services	Pass-through	93.847	103323MSU	DIGNITY HEALTH - ST. JOSEPH'S HOSPITAL AND MEDICAL CENTER	19,914	-
US Dept of Health and Human Services	Pass-through	93.847	5116414	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	52,664	-
US Dept of Health and Human Services	Pass-through	93.847	60069375	OHIO STATE UNIV	7,526	-
US Dept of Health and Human Services	Pass-through	93.847	AWD100466 (SUB0000162)	UNIVERSITY OF CHICAGO	185,276	-
US Dept of Health and Human Services	Pass-through	93.847	MD-17-A1-00-007381-01	NEW YORK UNIV SCHOOL OF MEDICINE	2,135	-
US Dept of Health and Human Services	Pass-through	93.847	SUBK00010651	UNIVERSITY OF MICHIGAN	6,630	-
US Dept of Health and Human Services	Pass-through	93.847	SUBK00014728	UNIVERSITY OF MICHIGAN	2,257	-
US Dept of Health and Human Services	Pass-through	93.847	UTA19-001577	UNIVERSITY OF TEXAS AT AUSTIN	92,630	-
US Dept of Health and Human Services	Pass-through	93.853	000526030-003	UNIVERSITY OF ALABAMA	11,930	-
US Dept of Health and Human Services	Pass-through	93.853	1(GG015025-01)	COLUMBIA UNIV	64,564	-
US Dept of Health and Human Services	Pass-through	93.853	17546-00	UNIVERSITY OF ILLINOIS CHICAGO	288,544	-
US Dept of Health and Human Services	Pass-through	93.853	235227	MASSACHUSETTS GENERAL HOSPITAL	57,613	-
US Dept of Health and Human Services	Pass-through	93.853	417168	UNIVERSITY OF ROCHESTER	69,687	-
US Dept of Health and Human Services	Pass-through	93.853	577746	UNIVERSITY OF ARIZONA	46,182	-
US Dept of Health and Human Services	Pass-through	93.853	7000000711	BAYLOR COLLEGE OF MEDICINE	120,117	-
US Dept of Health and Human Services	Pass-through	93.853	PG20-61098-01	UNIVERSITY OF MONTANA	2,465	-
US Dept of Health and Human Services	Pass-through	93.853	PSG 186	MASSACHUSETTS GENERAL HOSPITAL	17	-
US Dept of Health and Human Services	Pass-through	93.855	12177SUB	SEATTLE CHILDRENS RESEARCH INST	46,083	-
US Dept of Health and Human Services	Pass-through	93.855	12403SUB	SEATTLE CHILDRENS RESEARCH INST	18,551	-
US Dept of Health and Human Services	Pass-through	93.855	1275 PO 1317755	RUTGERS UNIV	11,577	-
US Dept of Health and Human Services	Pass-through	93.855	2(GG011631-13)	COLUMBIA UNIV	7,987	-
US Dept of Health and Human Services	Pass-through	93.855	2(GG011631-19)	COLUMBIA UNIV	10,884	-
US Dept of Health and Human Services	Pass-through	93.855	2R44A112164-05-MSU	VISIONQUEST BIOMEDICAL LLC	24,634	-
US Dept of Health and Human Services	Pass-through	93.855	3200000654-17-016	UNIVERSITY OF KENTUCKY	(999)	-
US Dept of Health and Human Services	Pass-through	93.855	8577	INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS	18,174	-
US Dept of Health and Human Services	Pass-through	93.855	B23829MSU	HENRY FORD HEALTH SYSTEM	22,301	-
US Dept of Health and Human Services	Pass-through	93.855	GR106287 (CON-80001799)	YALE UNIV	175,337	-
US Dept of Health and Human Services	Pass-through	93.855	R41A1143098-01A1	THERAPEUTIC SYSTEMS RESEARCH LABORATORIES INC	87,955	-
US Dept of Health and Human Services	Pass-through	93.855	SUBK000099134	UNIVERSITY OF MICHIGAN	113,045	-
US Dept of Health and Human Services	Pass-through	93.855	U-540478	UNIVERSITY OF MEMPHIS	43,278	-
US Dept of Health and Human Services	Pass-through	93.855	VUMC63296	VANDERBILT UNIV	118,339	-
US Dept of Health and Human Services	Pass-through	93.859	60055236 MSU	NORTHWESTERN UNIV	61,328	-
US Dept of Health and Human Services	Pass-through	93.859	8721	INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS	46,976	-
US Dept of Health and Human Services	Pass-through	93.859	S-001206	UNIVERSITY OF CALIFORNIA RIVERSIDE	6,240	-
US Dept of Health and Human Services	Pass-through	93.865	18-A1-00-1001408	NEW YORK UNIV SCHOOL OF MEDICINE	488,332	-
US Dept of Health and Human Services	Pass-through	93.865	1R43H097904-01-MSU	CRADLE GENOMICS	(7)	-
US Dept of Health and Human Services	Pass-through	93.865	5112242	UNIVERSITY OF NORTH CAROLINA	14,603	-
US Dept of Health and Human Services	Pass-through	93.865	577024	UNIVERSITY OF ARIZONA	29,925	-
US Dept of Health and Human Services	Pass-through	93.865	800009636-02UG	FLORIDA INTL UNIV	(1,971)	-
US Dept of Health and Human Services	Pass-through	93.865	9922sc	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	62,456	-
US Dept of Health and Human Services	Pass-through	93.865	GC-10075-00-05	DARTMOUTH HITCHCOCK MEDICAL CENTER	41,385	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)						
US Dept of Health and Human Services	Pass-through	93.865	OSP22227-00	UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL	\$ 168,424	\$ -
US Dept of Health and Human Services	Pass-through	93.865	RNG200543-02 (2680-2828)	KAISER PERMANENTE	5,050	-
US Dept of Health and Human Services	Pass-through	93.865	SUBK00010325	UNIVERSITY OF MICHIGAN	12,949	-
US Dept of Health and Human Services	Pass-through	93.865	SUBK00012324	UNIVERSITY OF MICHIGAN	9,056	-
US Dept of Health and Human Services	Pass-through	93.865	VUMC67407	VANDERBILT UNIV MEDICAL CENTER	70,090	-
US Dept of Health and Human Services	Pass-through	93.865	ZAC000A0	UNIV OF KANSAS MEDICAL CENTER RESEARCH INST INC	37,743	-
US Dept of Health and Human Services	Pass-through	93.866	3004127215	UNIVERSITY OF MICHIGAN	51,747	-
US Dept of Health and Human Services	Pass-through	93.866	000526683-SC002	UNIVERSITY OF ALABAMA AT BIRMINGHAM	16,661	-
US Dept of Health and Human Services	Pass-through	93.866	1032114-MSU	DIGNITY HEALTH - ST. JOSEPH'S HOSPITAL AND MEDICAL CENTER	29,551	-
US Dept of Health and Human Services	Pass-through	93.866	160236	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	84,106	-
US Dept of Health and Human Services	Pass-through	93.866	1706036Z1	MICHIGAN TECHNOLOGICAL UNIVERSITY	1,874	-
US Dept of Health and Human Services	Pass-through	93.866	207041-02	GRAND VALLEY STATE UNIV	33,032	-
US Dept of Health and Human Services	Pass-through	93.866	32114-MSU	DIGNITY HEALTH - ST. JOSEPH'S HOSPITAL AND MEDICAL CENTER	408,064	144,435
US Dept of Health and Human Services	Pass-through	93.866	6118-1080-00-A	UNIVERSITY OF SOUTH FLORIDA	58,339	-
US Dept of Health and Human Services	Pass-through	93.866	AG057274-MSU	CAYMAN CHEMICAL CO INC	166,699	-
US Dept of Health and Human Services	Pass-through	93.866	C00067509-1	UNIVERSITY OF MISSOURI	11,520	-
US Dept of Health and Human Services	Pass-through	93.866	F-1136054-76472	RESEARCH FOUNDATION OF SUNY	14,866	-
US Dept of Health and Human Services	Pass-through	93.866	FY2019-089	UNIV OF KANSAS MEDICAL CENTER RESEARCH INST INC	7,855	-
US Dept of Health and Human Services	Pass-through	93.866	GMO 181212	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	138,498	-
US Dept of Health and Human Services	Pass-through	93.866	GMO200807	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	53,193	-
US Dept of Health and Human Services	Pass-through	93.866	GVSUJ-207042-01	GRAND VALLEY STATE UNIV	28,423	-
US Dept of Health and Human Services	Pass-through	93.866	GVSUJ-FOAP-TBD	GRAND VALLEY STATE UNIV	15,678	-
US Dept of Health and Human Services	Pass-through	93.866	H-1R44AG058330-01	HESPEROS INC	81,938	-
US Dept of Health and Human Services	Pass-through	93.866	R43AG060866	HESPEROS INC	1,672	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00007878	UNIVERSITY OF MICHIGAN	25	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00007878	UNIVERSITY OF MICHIGAN	36,280	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00007878	UNIVERSITY OF MICHIGAN	75,790	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00007977	UNIVERSITY OF MICHIGAN	(430)	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00007977	UNIVERSITY OF MICHIGAN	109,972	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00010687	UNIVERSITY OF MICHIGAN	65,897	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00011775	UNIVERSITY OF MICHIGAN	7,583	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00014013	UNIVERSITY OF MICHIGAN	17,141	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00014129	UNIVERSITY OF MICHIGAN	15,303	-
US Dept of Health and Human Services	Pass-through	93.866	UTA16-000523	UNIVERSITY OF TEXAS AT AUSTIN	32,752	-
US Dept of Health and Human Services	Pass-through	93.867	000517565-003	UNIVERSITY OF ALABAMA AT BIRMINGHAM	(27)	-
US Dept of Health and Human Services	Pass-through	93.867	000517565-003	UNIVERSITY OF ALABAMA AT BIRMINGHAM	453	-
US Dept of Health and Human Services	Pass-through	93.867	000518070-02	UNIVERSITY OF ALABAMA AT BIRMINGHAM	(3,900)	-
US Dept of Health and Human Services	Pass-through	93.867	000526866-SC002	UNIVERSITY OF ALABAMA AT BIRMINGHAM	101,596	-
US Dept of Health and Human Services	Pass-through	93.867	2019-3696	UNIVERSITY OF CALIFORNIA IRVINE	448,744	-
US Dept of Health and Human Services	Pass-through	93.867	4500002464	BOSTON UNIV	38,955	-
US Dept of Health and Human Services	Pass-through	93.872	FY21.494.004	UNIVERSITY OF COLORADO	18,088	-
US Dept of Health and Human Services	Pass-through	93.879	SUB00001942	UNIVERSITY OF FLORIDA	154,610	-
US Dept of Health and Human Services	Pass-through	93.958	E20212706-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	99,311	-
Pass-through Total					10,481,169	144,435
US Dept of Health and Human Services Total					86,654,337	14,460,760
US Dept of Homeland Security	Pass-through	97.061	26-0116-0229-102	UNIVERSITY OF NEBRASKA - LINCOLN	13,016	-
US Dept of Homeland Security	Pass-through	97.061	44-0108-1001-405	UNIVERSITY OF NEBRASKA OMAHA	108,353	26,798
US Dept of Homeland Security	Pass-through	97.061	ASUB00000368	ARIZONA STATE UNIV	128,050	9,264
US Dept of Homeland Security	Pass-through	97.061	E2042937	GEORGE MASON UNIV	46,626	13,932
US Dept of Homeland Security	Pass-through	97.061	E2051850	GEORGE MASON UNIV	101,177	-
Pass-through Total					397,222	49,994
US Dept of Homeland Security Total					397,222	49,994
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	1	-
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	42,737	-
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	128,960	-
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	136,113	-
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	236,784	52,297
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	1,941,912	1,020,925
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	19,485	-
US Agency for International Development	Direct	98.001	7200AA19LE00001	US AGENCY FOR INTL DEVELOPMENT	895,396	708,437
US Agency for International Development	Direct	98.001	7200AA19LE00001	US AGENCY FOR INTL DEVELOPMENT	159,423	-
US Agency for International Development	Direct	98.001	7200AA19LE00001	US AGENCY FOR INTL DEVELOPMENT	2,068,268	1,276,918
US Agency for International Development	Direct	98.001	72062119LA00001	US AGENCY FOR INTL DEVELOPMENT	1,371,641	599,594
US Agency for International Development	Direct	98.001	AID-482-LA-14-00003	US AGENCY FOR INTL DEVELOPMENT	219,482	-
US Agency for International Development	Direct	98.001	AID-620-LA-15-00001	US AGENCY FOR INTL DEVELOPMENT	1,236,085	992,376
US Agency for International Development	Direct	98.001	AID-688-A-16-00001	US AGENCY FOR INTL DEVELOPMENT	704,569	-
US Agency for International Development	Direct	98.001	AID-OAA-A-13-00006	US AGENCY FOR INTL DEVELOPMENT	(94)	-
US Agency for International Development	Direct	98.001	AID-OAA-A-15-00056	US AGENCY FOR INTL DEVELOPMENT	561,368	173,002
US Agency for International Development	Direct	98.001	COVID-19 - 7200AA19LE00001	US AGENCY FOR INTL DEVELOPMENT	188,879	-
US Agency for International Development	Direct	98.001	COVID-19 - 7200AA20LA00002	US AGENCY FOR INTL DEVELOPMENT	844,658	133,521
US Agency for International Development	Direct	98.001	ILLSR	US AGENCY FOR INTL DEVELOPMENT	(84)	-
US Agency for International Development	Direct	98.001	Olabisil ILLSR Award	US AGENCY FOR INTL DEVELOPMENT	(5,128)	-
Direct Total					10,750,455	4,957,070
US Agency for International Development	Pass-through	98.001	00460011	INTL FERTILIZER DEVELOPMENT CENTER	57,454	-
US Agency for International Development	Pass-through	98.001	078517-15682	UNIVERSITY OF ILLINOIS	47,738	24,106
US Agency for International Development	Pass-through	98.001	100538-18020	UNIVERSITY OF ILLINOIS	41,927	13,745
US Agency for International Development	Pass-through	98.001	1210691	RUTGERS UNIV	69,380	-
US Agency for International Development	Pass-through	98.001	148524	INTL INST FOR TROPICAL AGRICULTURE	(720)	-
US Agency for International Development	Pass-through	98.001	193900.312455.12A	MISSISSIPPI STATE UNIV	5,812	-
US Agency for International Development	Pass-through	98.001	193900.312455.12B	MISSISSIPPI STATE UNIV	83,812	-
US Agency for International Development	Pass-through	98.001	2019X279.MSU	INTL FOOD POLICY RESEARCH INST	584,786	-
US Agency for International Development	Pass-through	98.001	89915-11361	CORNELL UNIV	44,366	12,861
US Agency for International Development	Pass-through	98.001	A20-0163-S016	KANSAS STATE UNIV	67,535	-
US Agency for International Development	Pass-through	98.001	A20-0163-S019	KANSAS STATE UNIV	6,861	-
US Agency for International Development	Pass-through	98.001	BFS-G-11-00002	INTL INST FOR TROPICAL AGRICULTURE	477,579	218,175
US Agency for International Development	Pass-through	98.001	S16058	KANSAS STATE UNIV	17,332	56,446
US Agency for International Development	Pass-through	98.001	S16058	KANSAS STATE UNIVERSITY	(6)	-
US Agency for International Development	Pass-through	98.001	SUB00002164	UNIVERSITY OF FLORIDA	9,472	-
Pass-through Total					1,513,328	325,333
US Agency for International Development Total					12,263,783	5,282,403
RESEARCH AND DEVELOPMENT CLUSTER TOTAL					350,502,033	39,316,063
STUDENT FINANCIAL ASSISTANCE PROGRAMS CLUSTER						
US Dept of Education	Direct	84.007	P007A102046	U.S. DEPT OF EDUCATION	2,076	-
US Dept of Education	Direct	84.007	P007A102046	U.S. DEPT OF EDUCATION	1,464,578	-
US Dept of Education	Direct	84.033	P033A102045	U.S. DEPT OF EDUCATION	2,636	-
US Dept of Education	Direct	84.033	P033A102045	U.S. DEPT OF EDUCATION	12,725	-

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
STUDENT FINANCIAL ASSISTANCE PROGRAMS CLUSTER (CONTINUED)						
US Dept of Education	Direct	84.033	P033A102045	U.S. DEPT OF EDUCATION	\$ 14,650	\$ -
US Dept of Education	Direct	84.033	P033A102045	U.S. DEPT OF EDUCATION	23,233	-
US Dept of Education	Direct	84.033	P033A102045	U.S. DEPT OF EDUCATION	3,014,293	-
US Dept of Education	Direct	84.038	Various Perkins	U.S. DEPT OF EDUCATION	16,804,021	-
US Dept of Education	Direct	84.063	P063P110233	U.S. DEPT OF EDUCATION	(58,676)	-
US Dept of Education	Direct	84.063	P063P110233	U.S. DEPT OF EDUCATION	44,028,275	-
US Dept of Education	Direct	84.063	P063P110233 PELL ADMIN ALLOWANCE	U.S. DEPT OF EDUCATION	43,225	-
US Dept of Education	Direct	84.268	FED DIRECT LOAN PROGRAM	U.S. DEPT OF EDUCATION	1,896,505	-
US Dept of Education	Direct	84.268	FED DIRECT LOAN PROGRAM	U.S. DEPT OF EDUCATION	313,431,482	-
US Dept of Education	Direct	84.379	P379T110233	U.S. DEPT OF EDUCATION	54,602	-
US Dept of Education Total					380,733,625	-
US Dept of Health and Human Services	Direct	93.264	VARIOUS - NURSING FACULTY PROG STUDENT LOANS	HEALTH RESOURCES AND SERVICES ADMIN -PHS	395,928	-
US Dept of Health and Human Services	Direct	93.342	VARIOUS - HEALTH PROFESSIONAL STUDENT LOANS	HEALTH RESOURCES AND SERVICES ADMIN -PHS	14,693,898	-
US Dept of Health and Human Services	Direct	93.364	VARIOUS - NURSING PROFESSION STUDENT LOANS	HEALTH RESOURCES AND SERVICES ADMIN -PHS	10,200	-
US Dept of Health and Human Services	Direct	93.925	T08HP39294	HEALTH RESOURCES AND SERVICES ADMINISTRATION	128,563	-
US Dept of Health and Human Services Total					15,228,589	-
STUDENT FINANCIAL ASSISTANCE PROGRAMS CLUSTER TOTAL					395,962,214	-
HEAD START CLUSTER						
US Dept of Health and Human Services	Pass-through	93.600	05CH8365	CACS HEAD START	(50,126)	-
US Dept of Health and Human Services	Pass-through	93.600	05CH8365	CACS HEAD START	85,713	-
US Dept of Health and Human Services	Pass-through	93.600	05CH8365	CACS HEAD START	86,797	-
US Dept of Health and Human Services	Pass-through	93.600	IP 00455620 East Lansing	CACS HEAD START	26,757	-
US Dept of Health and Human Services Total					149,141	-
HEAD START CLUSTER TOTAL					149,141	-
ECONOMIC DEVELOPMENT CLUSTER						
US Dept of Commerce	Direct	11.307	COVID-19 - ED20CHI3070035	US ECONOMIC DEVELOPMENT ADMINISTRATION	67,010	-
US Dept of Commerce Total					67,010	-
ECONOMIC DEVELOPMENT CLUSTER TOTAL					67,010	-
FISH AND WILDLIFE CLUSTER						
US Dept of Interior	Pass-through	15.611	C00047758-3	UNIVERSITY OF MISSOURI	(182)	-
US Dept of Interior	Pass-through	15.611	GG 751210000001207 / WLD1614	MICHIGAN DEPT OF NATURAL RESOURCES	49,751	-
US Dept of Interior	Pass-through	15.611	MSU-001 Advance	NEVADA DEPARTMENT OF WILDLIFE	160,857	6,401
US Dept of Interior Total					210,426	6,401
FISH AND WILDLIFE CLUSTER TOTAL					210,426	6,401
US Dept of Agriculture	Pass-through	10.606	17-MSIKA-A-A-657	LAND O LAKES INC	4,165	(2,053)
US Dept of Agriculture Total					4,165	(2,053)
FOREIGN FOOD AID DONATION CLUSTER TOTAL					4,165	(2,053)
HIGHWAY PLANNING AND CONSTRUCTION CLUSTER						
US Dept of Transportation	Pass-through	20.205	2017087 Job No 207859	MICHIGAN FITNESS FOUNDATION	42,770	-
US Dept of Transportation	Pass-through	20.205	2020-0544	MICHIGAN DEPT OF TRANSPORTATION	13,600	-
US Dept of Transportation	Pass-through	20.205	MSUAP01-CEE	MICHIGAN FITNESS FOUNDATION	30,575	-
US Dept of Transportation	Pass-through	20.205	MSUAP01-CEE	MICHIGAN FITNESS FOUNDATION	53,316	-
US Dept of Transportation	Pass-through	20.205	MSUAP01-SPDC	MICHIGAN FITNESS FOUNDATION	54,839	-
US Dept of Transportation	Pass-through	20.205	P732-19-803	STATE OF NEVADA DEPT OF TRANSPORTATION	64,607	-
US Dept of Transportation	Pass-through	20.205	TPF-5(438)	STATE OF IOWA DEPT OF TRANSPORTATION	2,574	-
US Dept of Transportation	Pass-through	20.205	TPF-5(438)	STATE OF IOWA DEPT OF TRANSPORTATION	40,862	-
US Dept of Transportation Total					303,143	-
HIGHWAY PLANNING AND CONSTRUCTION CLUSTER TOTAL					303,143	-
HIGHWAY SAFETY CLUSTER						
US Dept of Transportation	Pass-through	20.616	OP-21-03	MICHIGAN OFFICE OF HIGHWAY SAFETY PLANNING	75,914	-
US Dept of Transportation Total					75,914	-
HIGHWAY SAFETY CLUSTER TOTAL					75,914	-
MEDICAID CLUSTER						
US Dept of Health and Human Services	Pass-through	93.778	E20200895-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	23,092	-
US Dept of Health and Human Services	Pass-through	93.778	E20200896-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	48,129	-
US Dept of Health and Human Services	Pass-through	93.778	E20202301-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	70,474	-
US Dept of Health and Human Services	Pass-through	93.778	E20202448-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	164,371	-
US Dept of Health and Human Services	Pass-through	93.778	E20203172	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	102,180	-
US Dept of Health and Human Services	Pass-through	93.778	E20203790-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	309,702	244,422
US Dept of Health and Human Services	Pass-through	93.778	E20204449-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	95,634	-
US Dept of Health and Human Services	Pass-through	93.778	E20204450-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	104,746	-
US Dept of Health and Human Services	Pass-through	93.778	E20212014-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	75,375	-
US Dept of Health and Human Services	Pass-through	93.778	E20212707-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	214,059	-
US Dept of Health and Human Services	Pass-through	93.778	E20212709-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	176,944	-
US Dept of Health and Human Services	Pass-through	93.778	E20212710-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	72,965	-
US Dept of Health and Human Services	Pass-through	93.778	E20212711-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	107,250	-
US Dept of Health and Human Services	Pass-through	93.778	E20212712-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	147,881	-
US Dept of Health and Human Services	Pass-through	93.778	E20212713-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	194,412	79,906
US Dept of Health and Human Services	Pass-through	93.778	E20214040-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	100,430	-
US Dept of Health and Human Services	Pass-through	93.778	E20214043-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	91,880	-
US Dept of Health and Human Services Total					2,099,524	324,328
MEDICAID CLUSTER TOTAL					2,099,524	324,328
CDBG - ENTITLEMENT GRANTS CLUSTER						
US Dept of Housing and Urban Development	Pass-through	14.218	B20MC260016	CITY OF WARREN	1,500	-
US Dept of Housing and Urban Development Total					1,500	-
CDBG - ENTITLEMENT GRANTS CLUSTER TOTAL					1,500	-
SNAP CLUSTER						
US Dept of Agriculture	Pass-through	10.561	E20192773-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	159	-
US Dept of Agriculture	Pass-through	10.561	E20201941-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	1,594,245	-
US Dept of Agriculture	Pass-through	10.561	E20201943-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	50,288	-
US Dept of Agriculture	Pass-through	10.561	E20213376-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	161,045	-
US Dept of Agriculture	Pass-through	10.561	E20213377-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	4,737,985	-
US Dept of Agriculture Total					6,543,722	-
SNAP Cluster Total					6,543,722	-
TRIO CLUSTER						
US Dept of Education	Direct	84.042	P042A150804	US DEPT OF EDUCATION	381,232	-
US Dept of Education	Direct	84.042	P042A200787	US DEPT OF EDUCATION	198,887	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
TRIO CLUSTER (CONTINUED)						
US Dept of Education	Direct	84.044	P044A160125	US DEPT OF EDUCATION	\$ 189,075	\$ -
	US Dept of Education Total				769,194	-
			TRIO Cluster Total		769,194	-
OTHER FEDERAL AWARDS						
US Dept of Agriculture	Direct	10.001	45-5484-8-0019 PHONE	USDA - FOREST SERVICE	2,943	-
US Dept of Agriculture	Direct	10.001	59-6040-9-002	AGRICULTURAL RESEARCH SERVICE	12,000	-
US Dept of Agriculture	Direct	10.001	GENERAL FISCAL AGENT	USDA - FOREST SERVICE	807	-
US Dept of Agriculture	Direct	10.025	AP20VSD&B000C069	ANIMAL AND PLANT HEALTH INSPECTION SERVICE	213,368	-
US Dept of Agriculture	Direct	10.172	AM180100XXXXG125	AGRICULTURAL MARKETING SERVICE	72,886	31,250
US Dept of Agriculture	Direct	10.174	AM180100XXXXG153	AGRICULTURAL MARKETING SERVICE	26,405	-
US Dept of Agriculture	Direct	10.177	AM190100XXXXG182	AGRICULTURAL MARKETING SERVICE	35,663	-
US Dept of Agriculture	Direct	10.210	2017-38420-26759	NATIONAL INST OF FOOD AND AGRICULTURE	55,886	-
US Dept of Agriculture	Direct	10.210	2017-38420-26823	NATIONAL INST OF FOOD AND AGRICULTURE	70,438	-
US Dept of Agriculture	Direct	10.217	2019-70003-29088	NATIONAL INST OF FOOD AND AGRICULTURE	9,300	-
US Dept of Agriculture	Direct	10.217	2019-70003-29088	NATIONAL INST OF FOOD AND AGRICULTURE	54,599	32,529
US Dept of Agriculture	Direct	10.217	2020-70003-32298	NATIONAL INST OF FOOD AND AGRICULTURE	48,936	-
US Dept of Agriculture	Direct	10.220	2018-38413-28142	NATIONAL INST OF FOOD AND AGRICULTURE	36,009	-
US Dept of Agriculture	Direct	10.220	2018-38413-28143	NATIONAL INST OF FOOD AND AGRICULTURE	29,232	-
US Dept of Agriculture	Direct	10.226	2020-38414-31877	NATIONAL INST OF FOOD AND AGRICULTURE	13,490	-
US Dept of Agriculture	Direct	10.304	2017-37620-27296	NATIONAL INST OF FOOD AND AGRICULTURE	220,812	-
US Dept of Agriculture	Direct	10.310	2019-67011-29619	NATIONAL INST OF FOOD AND AGRICULTURE	54,927	-
US Dept of Agriculture	Direct	10.310	2019-67012-29523	NATIONAL INST OF FOOD AND AGRICULTURE	58,010	-
US Dept of Agriculture	Direct	10.310	2019-67012-29595	NATIONAL INST OF FOOD AND AGRICULTURE	80,569	-
US Dept of Agriculture	Direct	10.310	2019-67012-29717	NATIONAL INST OF FOOD AND AGRICULTURE	39,239	-
US Dept of Agriculture	Direct	10.310	2019-67012-29719	NATIONAL INST OF FOOD AND AGRICULTURE	36,858	-
US Dept of Agriculture	Direct	10.310	2019-67012-29732	NATIONAL INST OF FOOD AND AGRICULTURE	71,830	-
US Dept of Agriculture	Direct	10.310	2020-67034-31731	NATIONAL INST OF FOOD AND AGRICULTURE	2,778	-
US Dept of Agriculture	Direct	10.310	2020-67034-31731	NATIONAL INST OF FOOD AND AGRICULTURE	34,792	-
US Dept of Agriculture	Direct	10.310	2020-67034-31883	NATIONAL INST OF FOOD AND AGRICULTURE	4,697	-
US Dept of Agriculture	Direct	10.310	2020-67034-31883	NATIONAL INST OF FOOD AND AGRICULTURE	105,038	-
US Dept of Agriculture	Direct	10.310	2020-67034-31939	NATIONAL INST OF FOOD AND AGRICULTURE	41,875	-
US Dept of Agriculture	Direct	10.310	2020-67037-31038	NATIONAL INST OF FOOD AND AGRICULTURE	54,432	-
US Dept of Agriculture	Direct	10.311	2017-70017-26860	NATIONAL INST OF FOOD AND AGRICULTURE	83,567	21,420
US Dept of Agriculture	Direct	10.311	2020-48400-32429	NATIONAL INST OF FOOD AND AGRICULTURE	111,606	31,429
US Dept of Agriculture	Direct	10.329	2017-70006-27175	NATIONAL INST OF FOOD AND AGRICULTURE	234,818	-
US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD AND AGRICULTURE	659	-
US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD AND AGRICULTURE	6,126	-
US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD AND AGRICULTURE	6,300	-
US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD AND AGRICULTURE	584,552	271,468
US Dept of Agriculture	Direct	10.336	2018-70024-28817	NATIONAL INST OF FOOD AND AGRICULTURE	12,045	-
US Dept of Agriculture	Direct	10.500	2015-41595-24254	NATIONAL INST OF FOOD AND AGRICULTURE	232,455	232,455
US Dept of Agriculture	Direct	10.500	2018-39592-28959	NATIONAL INST OF FOOD AND AGRICULTURE	67,669	32,752
US Dept of Agriculture	Direct	10.500	2018-41596-28722	NATIONAL INST OF FOOD AND AGRICULTURE	182,240	135,899
US Dept of Agriculture	Direct	10.511	N21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	(7,523)	-
US Dept of Agriculture	Direct	10.511	N21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	48	-
US Dept of Agriculture	Direct	10.511	N21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	2,524	-
US Dept of Agriculture	Direct	10.511	N21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	42,866	-
US Dept of Agriculture	Direct	10.511	N21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	56,196	-
US Dept of Agriculture	Direct	10.511	N21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	81,852	-
US Dept of Agriculture	Direct	10.511	N21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	621,270	-
US Dept of Agriculture	Direct	10.511	N21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	916,145	-
US Dept of Agriculture	Direct	10.511	N21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	1,096,503	-
US Dept of Agriculture	Direct	10.511	N21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	1,614,692	-
US Dept of Agriculture	Direct	10.511	N21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	1,986,478	-
US Dept of Agriculture	Direct	10.511	N21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	2,220,984	-
US Dept of Agriculture	Direct	10.514	N21EFNEPXXXX002	US DEPT OF AGRICULTURE	1,595,250	-
US Dept of Agriculture	Direct	10.515	2017-46401-27162	NATIONAL INST OF FOOD AND AGRICULTURE	(51)	-
US Dept of Agriculture	Direct	10.515	2019-46401-30329	NATIONAL INST OF FOOD AND AGRICULTURE	49,661	7,323
US Dept of Agriculture	Direct	10.515	N21RREAFXXXXG035	US DEPT OF AGRICULTURE	56,629	-
US Dept of Agriculture	Direct	10.516	2020-46100-32815	NATIONAL INST OF FOOD AND AGRICULTURE	130,159	-
US Dept of Agriculture	Direct	10.517	2017-41580-26940	NATIONAL INST OF FOOD AND AGRICULTURE	84,785	-
US Dept of Agriculture	Direct	10.521	2016-41520-25564	NATIONAL INST OF FOOD AND AGRICULTURE	209,891	-
US Dept of Agriculture	Direct	10.613	FX19FE-10613R002	FOREIGN AGRICULTURAL SERVICE	12,593	-
US Dept of Agriculture	Direct	10.680	16-CA-11420004-072	USDA FOREST SERVICE	16,848	-
US Dept of Agriculture	Direct	10.699	16-CS-11090400-038	USDA FOREST SERVICE	1,232	-
US Dept of Agriculture	Direct	10.699	16-PA-11090400-040	USDA FOREST SERVICE	4,785	-
US Dept of Agriculture	Direct	10.699	18-TMMSD-MI-0001	AGRICULTURAL MARKETING SERVICE	24,426	-
US Dept of Agriculture	Direct	10.699	19-CS-11132400-141	USDA FOREST SERVICE	27,567	-
US Dept of Agriculture	Direct	10.777	FX18BF-10777R011	FOREIGN AGRICULTURAL SERVICE	8,375	-
US Dept of Agriculture	Direct	10.777	FX18BF-10777R033	FOREIGN AGRICULTURAL SERVICE	21,159	-
US Dept of Agriculture	Direct	10.777	FX19BF-10777R002	FOREIGN AGRICULTURAL SERVICE	9,850	-
US Dept of Agriculture	Direct	10.777	FX19BF-10777R020	FOREIGN AGRICULTURAL SERVICE	2,138	-
US Dept of Agriculture	Direct	10.777	FX19BF-10777R039	FOREIGN AGRICULTURAL SERVICE	(383)	-
US Dept of Agriculture	Direct	10.868	26-033-030879893	RURAL BUS COOPERATIVE SERVICE	33,195	-
US Dept of Agriculture	Direct	10.932	NR18SD21XXXXC002	NATURAL RESOURCES CONSERVATION SERVICE	5,398	-
US Dept of Agriculture	Direct	10.960	EMP Program Agreement #2015-16	FOREIGN AGRICULTURAL SERVICE	68,125	-
US Dept of Agriculture	Direct	10.960	FX20TA-10960R005	FOREIGN AGRICULTURAL SERVICE	86,777	-
US Dept of Agriculture	Direct	10.960	FX20TA-10960R014	FOREIGN AGRICULTURAL SERVICE	6,529	-
US Dept of Agriculture	Direct	10.960	FX20TA-10960R018	FOREIGN AGRICULTURAL SERVICE	19,097	-
US Dept of Agriculture	Direct	10.960	TA-CR-16-043	FOREIGN AGRICULTURAL SERVICE	88,189	11,809
US Dept of Agriculture	Direct	10.962	FX20CO-10962R007	FOREIGN AGRICULTURAL SERVICE	(14,637)	-
	Direct Total				14,189,478	815,478
US Dept of Agriculture	Pass-through	10.U01	018000.340938.01	MISSISSIPPI STATE UNIV	21,085	-
US Dept of Agriculture	Pass-through	10.U02	S000572-USDA	PENNSYLVANIA STATE UNIV	5,692	-
US Dept of Agriculture	Pass-through	10.001	018000.340888.01	MISSISSIPPI STATE UNIV	13,149	-
US Dept of Agriculture	Pass-through	10.001	018000.340888.01B	MISSISSIPPI STATE UNIV	9,594	-
US Dept of Agriculture	Pass-through	10.174	412-30-36A	IOWA STATE UNIV	86,933	-
US Dept of Agriculture	Pass-through	10.215	H007813908	UNIVERSITY OF MINNESOTA	25,230	-
US Dept of Agriculture	Pass-through	10.215	H008568302	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	11,577	777
US Dept of Agriculture	Pass-through	10.215	H008917113	MICHIGAN FOOD AND FARMING SYSTEMS	12,565	-
US Dept of Agriculture	Pass-through	10.217	F0003792902025	PURDUE UNIV	2,320	-
US Dept of Agriculture	Pass-through	10.227	2017-03930 Tribal College	BAY MILLS COMMUNITY COLLEGE	317	-
US Dept of Agriculture	Pass-through	10.310	2015-0097-24	NORTH CAROLINA STATE UNIV	4,337	-
US Dept of Agriculture	Pass-through	10.310	2238-207-2014193	CLEMSON UNIV	10,900	-
US Dept of Agriculture	Pass-through	10.331	2019-70030-30415	FAIR FOOD NETWORK	42,619	-
US Dept of Agriculture	Pass-through	10.331	2020-12-01	FAIR FOOD NETWORK	58,761	-
US Dept of Agriculture	Pass-through	10.500	101598-18127	UNIVERSITY OF ILLINOIS	82,074	-
US Dept of Agriculture	Pass-through	10.500	2023-207-2012187	CLEMSON UNIV	3,521	-
US Dept of Agriculture	Pass-through	10.500	25-6324-0187-134	MICHIGAN FOOD AND FARMING SYSTEMS	3,140	-

See notes to schedule of expenditures of federal awards.

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
OTHER FEDERAL AWARDS (CONTINUED)						
US Dept of Agriculture	Pass-through	10.500	25-6324-0187-321	UNIVERSITY OF NEBRASKA - LINCOLN	\$ 6,330	\$ -
US Dept of Agriculture	Pass-through	10.500	BMCC 2018-47002-28637	BAY MILLS COMMUNITY COLLEGE	16,477	-
US Dept of Agriculture	Pass-through	10.500	Empower Educators	NORTH CENTRAL REGION WATER NETWORK	15,492	14,892
US Dept of Agriculture	Pass-through	10.557	E20201302-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	16,560	-
US Dept of Agriculture	Pass-through	10.574	31387700003	MICHIGAN DEPT OF EDUCATION	1,486	-
US Dept of Agriculture	Pass-through	10.575	DPSCD-0119034109	DETROIT PUBLIC SCHOOLS	1,814	581
US Dept of Agriculture	Pass-through	10.604	0812-TASC18-MSU	RUTGERS UNIV	(63)	-
US Dept of Agriculture	Pass-through	10.604	0812-TASC18-MSU	RUTGERS UNIV	11,216	-
US Dept of Agriculture	Pass-through	10.664	20042A	AMERICAN BIRD CONSERVANCY	18,616	-
US Dept of Agriculture	Pass-through	10.664	F9000151802024	PURDUE UNIV	17,733	-
US Dept of Agriculture	Pass-through	10.675	FRD-CFG 21-10	MICHIGAN DEPT OF NATURAL RESOURCES	5,659	-
US Dept of Agriculture	Pass-through	10.903	NR203A750023C009	NATURAL RESOURCES CONSERVATION SERVICE	23,859	-
	Pass-through Total				<u>528,993</u>	<u>16,250</u>
	US Dept of Agriculture Total				<u>14,718,471</u>	<u>831,725</u>
US Dept of Commerce	Pass-through	11.U01	D-S2017-0131	SYNOPTIC DATA CORP	1,190	-
US Dept of Commerce	Pass-through	11.U02	S2020-135	SYNOPTIC DATA CORP	187,493	-
US Dept of Commerce	Pass-through	11.008	SUBK00009321	UNIVERSITY OF MICHIGAN	4,500	-
US Dept of Commerce	Pass-through	11.417	097126-17815	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	9,529	-
US Dept of Commerce	Pass-through	11.417	3002999560	UNIVERSITY OF MICHIGAN	1	-
US Dept of Commerce	Pass-through	11.417	F0008309702053	PURDUE UNIV	12,310	-
US Dept of Commerce	Pass-through	11.417	F0008309702053	PURDUE UNIV	36,490	-
US Dept of Commerce	Pass-through	11.417	SUBK00011048	UNIVERSITY OF MICHIGAN	35,685	-
US Dept of Commerce	Pass-through	11.419	20-PSM-002 MSUE	STATE OF MICHIGAN	47,522	-
US Dept of Commerce	Pass-through	11.432	3004875740	UNIVERSITY OF MICHIGAN	(15)	-
	Pass-through Total				<u>334,705</u>	<u>-</u>
	US Dept of Commerce Total				<u>334,705</u>	<u>-</u>
US Dept of Defense	Direct	12.U01	H98230-21-1-0057	NATIONAL SECURITY AGENCY	20,072	-
US Dept of Defense	Direct	12.420	W81XWH1810233	US DEPT OF THE ARMY	(6,482)	-
US Dept of Defense	Direct	12.901	H98230-21-1-0057	NATIONAL SECURITY AGENCY	19,660	-
	Direct Total				<u>33,250</u>	<u>-</u>
US Dept of Defense	Pass-through	12.U03	7500172936	NORTHROP GRUMMAN CORP	13,065	-
US Dept of Defense	Pass-through	12.U02	201825-140909	PPG INDUSTRIES INC	32,458	-
US Dept of Defense	Pass-through	12.550	0054-MSU-22-PL-280-PO2	INST OF INTL EDUCATION	30	-
	Pass-through Total				<u>45,553</u>	<u>-</u>
	US Dept of Defense Total				<u>78,803</u>	<u>-</u>
US Dept of Interior	Direct	15.658	F17AC00428	US FISH AND WILDLIFE SERVICE	(1)	-
US Dept of Interior	Direct	15.820	G18AC00336	US GEOLOGICAL SURVEY	23,500	-
US Dept of Interior	Direct	15.933	P20AP00340	NATIONAL PARK SERVICE	65,214	-
US Dept of Interior	Direct	15.945	P18AC01019	NATIONAL PARK SERVICE	9,737	-
US Dept of Interior	Direct	15.945	P18AC01067	NATIONAL PARK SERVICE	35,601	-
	Direct Total				<u>134,051</u>	<u>-</u>
US Dept of Interior	Pass-through	15.634	751B7700034	MICHIGAN DEPT OF NATURAL RESOURCES	2,147	-
US Dept of Interior	Pass-through	15.662	AISGL20-001	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	24,733	-
US Dept of Interior	Pass-through	15.805	2015-06806-02	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	5,351	-
	Pass-through Total				<u>32,231</u>	<u>-</u>
	US Dept of Interior Total				<u>166,282</u>	<u>-</u>
US Dept of Justice	Direct	16.738	2018-DP-BX-K011	US DEPT OF JUSTICE	112,243	-
	Direct Total				<u>112,243</u>	<u>-</u>
US Dept of Justice	Pass-through	16.575	E20190946-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	11,296	-
US Dept of Justice	Pass-through	16.575	E20192053-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	(1)	-
US Dept of Justice	Pass-through	16.575	E20201546-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	211,830	-
US Dept of Justice	Pass-through	16.575	E20201933-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	273,372	-
US Dept of Justice	Pass-through	16.575	E20210524-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	684,232	-
US Dept of Justice	Pass-through	16.575	E20210525-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	641,366	-
US Dept of Justice	Pass-through	16.575	E20214614-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	92,566	-
US Dept of Justice	Pass-through	16.726	00408723	NATIONAL 4H COUNCIL	20,192	-
US Dept of Justice	Pass-through	16.726	2019-MU-FX-0002	NATIONAL 4H COUNCIL	32,880	-
US Dept of Justice	Pass-through	16.726	2019-MU-FX-0002	NATIONAL 4H COUNCIL	71,852	-
US Dept of Justice	Pass-through	16.839	STOP-MH-1-2020	MICHIGAN STATE POLICE	21,810	-
US Dept of Justice	Pass-through	16.839	SUBK00011620	UNIVERSITY OF MICHIGAN	118,763	-
	Pass-through Total				<u>2,180,158</u>	<u>-</u>
	US Dept of Justice Total				<u>2,292,401</u>	<u>-</u>
US Dept of US Dept of State	Direct	19.040	SJA58021GR3001	US DEPT OF STATE	6,143	-
US Dept of US Dept of State	Direct	19.040	SJA58021GR3001	US DEPT OF STATE	7,131	-
US Dept of US Dept of State	Direct	19.040	SPE50019GR0038	US DEPT OF STATE	7,319	-
US Dept of US Dept of State	Direct	19.415	SECAGD18CA0017	US DEPT OF STATE	12,861	-
US Dept of US Dept of State	Direct	19.415	SECAGD18CA0017	US DEPT OF STATE	30,162	-
US Dept of US Dept of State	Direct	19.415	SECAGD19CA0102	US DEPT OF STATE	28,161	-
US Dept of US Dept of State	Direct	19.501	SPK33020CA1042	US DEPT OF STATE	7,162	-
	Direct Total				<u>98,939</u>	<u>-</u>
US Dept of US Dept of State	Pass-through	19.010	3000194492	INST OF INTL EDUCATION	58,120	-
US Dept of US Dept of State	Pass-through	19.010	3000194492	INST OF INTL EDUCATION	77,248	-
US Dept of US Dept of State	Pass-through	19.010	HHH1901_MSU_7.1.19	INST OF INTL EDUCATION	(180)	-
US Dept of US Dept of State	Pass-through	19.400	FST2001_MSU_2.5.20	INST OF INTL EDUCATION	2,475	-
US Dept of US Dept of State	Pass-through	19.400	FST2001_MSU_2.5.20	INST OF INTL EDUCATION	144,616	-
US Dept of US Dept of State	Pass-through	19.400	FST2001_MSU_7.6.20	INST OF INTL EDUCATION	22,984	-
US Dept of US Dept of State	Pass-through	19.501	SAF20020CA0015-MSU	AMER COUNCILS FOR INTL EDUCATION	108,623	-
US Dept of US Dept of State	Pass-through	19.501	SPK33018CA0015	EVOLUTION	62,066	-
	Pass-through Total				<u>475,952</u>	<u>-</u>
	US Dept of US Dept of State Total				<u>574,891</u>	<u>-</u>
US Dept of Transportation	Direct	20.215	693JJ32045092	US DEPT OF TRANSPORTATION	1	-
US Dept of Transportation	Direct	20.215	693JJ32145094	US DEPT OF TRANSPORTATION	4,992	-
	Direct Total				<u>4,993</u>	<u>-</u>
US Dept of Transportation	Pass-through	20.200	HR 20-44(026)	NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM	39,756	-
US Dept of Transportation	Pass-through	20.505	2021-0272	MICHIGAN DEPT OF TRANSPORTATION	5,712	-
	Pass-through Total				<u>45,468</u>	<u>-</u>
	US Dept of Transportation Total				<u>50,461</u>	<u>-</u>
US Dept of Treasury	Direct	21.008	20-LITC0497-01-00	US DEPT OF TREASURY	40,464	-
US Dept of Treasury	Direct	21.008	21-LITC0505-01-00	US DEPT OF TREASURY	38,847	-
	Direct Total				<u>79,311</u>	<u>-</u>
US Dept of Treasury	Pass-through	21.U01	2020-12-01	COMMUNITY FOUNDATION OF GREATER FLINT	48,538	-
US Dept of Treasury	Pass-through	21.019	COVID-19 - MSU-2020.074952	SPECTRUM HEALTH SYSTEM	38,865	-
US Dept of Treasury	Pass-through	21.019	COVID-19 - E20204529-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	28,993	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
OTHER FEDERAL AWARDS (CONTINUED)						
US Dept of Treasury	Pass-through	21.019	COVID-19 - E20213396-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	\$ 55,343	\$ -
US Dept of Treasury	Pass-through	21.019	COVID-19 - E20214042-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	50,000	-
US Dept of Treasury	Pass-through	21.019	COVID-19 - Q-80041-115-504201	MICHIGAN PUBLIC HEALTH INST	211,044	-
US Dept of Treasury	Pass-through	21.019	COVID-19 - SOM Senate Bill 373	STATE OF MICHIGAN	32,202,500	-
	Pass-through Total				<u>32,635,283</u>	-
	US Dept of Treasury Total				<u>32,714,594</u>	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC17K0395	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	11,759	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC19K1332	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	34,259	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0588	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6,453	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0034	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	31,913	-
National Aeronautics and Space Administration	Direct	43.008	80NSSC21M0039	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6,188	-
	Direct Total				<u>90,572</u>	-
National Aeronautics and Space Administration	Pass-through	43.003	2020-1264	UNIVERSITY OF ALABAMA	2,000	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00010286	UNIVERSITY OF MICHIGAN	1,100	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00010286	UNIVERSITY OF MICHIGAN	2,808	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00010286	UNIVERSITY OF MICHIGAN	3,000	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00010286	UNIVERSITY OF MICHIGAN	4,981	-
	Pass-through Total				<u>13,889</u>	-
	National Aeronautics and Space Administration Total				<u>104,461</u>	-
National Endowment for the Arts and Humanities	Direct	45.130	CHA-268776	NATIONAL ENDOWMENT FOR THE HUMANITIES	36,449	-
National Endowment for the Arts and Humanities	Direct	45.149	PG-266844-19	NATIONAL ENDOWMENT FOR THE HUMANITIES	1,953	-
National Endowment for the Arts and Humanities	Direct	45.149	PG-271809-20	NATIONAL ENDOWMENT FOR THE HUMANITIES	9,900	-
National Endowment for the Arts and Humanities	Direct	45.160	FEL-268440-20	NATIONAL ENDOWMENT FOR THE HUMANITIES	54,423	-
National Endowment for the Arts and Humanities	Direct	45.301	MA-10-17-0377-17	INST OF MUSEUM AND LIBRARY SERVICES	18,354	-
National Endowment for the Arts and Humanities	Direct	45.301	MA-30-19-0349-19	INST OF MUSEUM AND LIBRARY SERVICES	11,910	-
	Direct Total				<u>132,989</u>	-
National Endowment for the Arts and Humanities	Pass-through	45.001	2020-09-01	ARTCENTER COLLEGE OF DESIGN	18,150	-
National Endowment for the Arts and Humanities	Pass-through	45.001	HU030-20	MICHIGAN HUMANITIES COUNCIL	6,413	-
National Endowment for the Arts and Humanities	Pass-through	45.025	00027216	ARTS MIDWEST	2,000	-
National Endowment for the Arts and Humanities	Pass-through	45.025	20PS5639AC	MICHIGAN COUNCIL FOR ARTS AND CULTURAL AFFAIRS	9,416	-
National Endowment for the Arts and Humanities	Pass-through	45.025	21PS2099	MICHIGAN COUNCIL FOR ARTS AND CULTURAL AFFAIRS	12,551	-
National Endowment for the Arts and Humanities	Pass-through	45.025	21PS2223	MICHIGAN COUNCIL FOR ARTS AND CULTURAL AFFAIRS	12,400	-
National Endowment for the Arts and Humanities	Pass-through	45.162	2005362	TEAGLE FOUNDATION INC	23,992	-
	Pass-through Total				<u>84,522</u>	-
	National Endowment for the Arts and Humanities Total				<u>217,511</u>	-
Small Business Administration	Direct	59.075	COVID-19 - SBAHQ21SV010685	SMALL BUSINESS ADMINISTRATION	5,030,239	-
	Direct Total				<u>5,030,239</u>	-
	Small Business Administration Total				<u>5,030,239</u>	-
Environmental Protection Agency	Direct	66.469	00E02224	US ENVIRONMENTAL PROTECTION AGENCY	115,438	-
Environmental Protection Agency	Direct	66.716	83927401	US ENVIRONMENTAL PROTECTION AGENCY	18	-
Environmental Protection Agency	Direct	66.716	83927401	US ENVIRONMENTAL PROTECTION AGENCY	58,041	-
Environmental Protection Agency	Direct	66.716	83927401	US ENVIRONMENTAL PROTECTION AGENCY	416,151	284,902
	Direct Total				<u>589,648</u>	<u>284,902</u>
Environmental Protection Agency	Pass-through	66.001	EP-D-14-010	METAMATERIA TECHNOLOGIES LLC	(9,079)	-
Environmental Protection Agency	Pass-through	66.605	200000000227	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	5,146	-
Environmental Protection Agency	Pass-through	66.605	CG 210000000751	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	9,958	-
Environmental Protection Agency	Pass-through	66.608	AQDGG2020P1	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	57,314	-
Environmental Protection Agency	Pass-through	66.716	SA-2021-34	EXTENSION FOUNDATION	9,781	-
	Pass-through Total				<u>73,120</u>	-
	Environmental Protection Agency Total				<u>662,768</u>	<u>284,902</u>
US Dept of Energy	Pass-through	81.041	MEO-16-022	MICHIGAN ENERGY OFFICE	845	-
	Pass-through Total				<u>845</u>	-
	US Dept of Energy Total				<u>845</u>	-
US Dept of Education	Direct	84.022	P022A190039	US DEPT OF EDUCATION	3,276	-
US Dept of Education	Direct	84.022	P022A190039	US DEPT OF EDUCATION	13,111	-
US Dept of Education	Direct	84.022	P022A190039	US DEPT OF EDUCATION	16,926	-
US Dept of Education	Direct	84.022	P022A190039	US DEPT OF EDUCATION	27,588	-
US Dept of Education	Direct	84.022	P022A190039	US DEPT OF EDUCATION	30,872	-
US Dept of Education	Direct	84.022	P022A190039	US DEPT OF EDUCATION	33,111	-
US Dept of Education	Direct	84.022	PO22A20035	US DEPT OF EDUCATION	5,508	-
US Dept of Education	Direct	84.022	PO22A20035	US DEPT OF EDUCATION	9,655	-
US Dept of Education	Direct	84.032	FFELP Loans Receivable	US DEPT OF EDUCATION	779,623	-
US Dept of Education	Direct	84.129	H129B190046	US DEPT OF EDUCATION	29,000	-
US Dept of Education	Direct	84.129	H129B190046	US DEPT OF EDUCATION	32,602	-
US Dept of Education	Direct	84.141	S141A190022	US DEPT OF EDUCATION	348,114	-
US Dept of Education	Direct	84.149	S149A150003	US DEPT OF EDUCATION	30,291	-
US Dept of Education	Direct	84.149	S149A200014	US DEPT OF EDUCATION	248,057	-
US Dept of Education	Direct	84.305	R305B200009	US DEPT OF EDUCATION	143,016	-
US Dept of Education	Direct	84.334	GEAR UP	US DEPT OF EDUCATION	120,000	-
US Dept of Education	Direct	84.335	P335A180261	US DEPT OF EDUCATION	295,227	-
US Dept of Education	Direct	84.425E	COVID-19 - P425E201966	US DEPT OF EDUCATION	1,527,000	-
US Dept of Education	Direct	84.425E	COVID-19 - P425E201966	US DEPT OF EDUCATION	15,007,856	-
US Dept of Education	Direct	84.425F	COVID-19 - P425F201085	US DEPT OF EDUCATION	14,918,294	-
US Dept of Education	Direct	84.425F	COVID-19 - P425F201085	US DEPT OF EDUCATION	30,935,897	-
US Dept of Education	Direct	84.425F	COVID-19 - P425F201085	US DEPT OF EDUCATION	37,945,608	-
	Direct Total				<u>102,500,632</u>	-
US Dept of Education	Pass-through	84.001	4400007264	LOS ANGELES UNIFIED SCHOOL DISTRICT	1,800	-
US Dept of Education	Pass-through	84.002	1213	MICHIGAN REHABILITATION SERVICES	11,761	-
US Dept of Education	Pass-through	84.003	200000002035, DO 200000017752	MICHIGAN DEPT OF EDUCATION	68,950	-
US Dept of Education	Pass-through	84.010	18-0053	DETROIT PUBLIC SCHOOLS	218,267	-
US Dept of Education	Pass-through	84.010	18-0053	DETROIT PUBLIC SCHOOLS	36,746	-
US Dept of Education	Pass-through	84.010	201580-19-20 TAG	GOGEBIC ONTONAGON INTERMEDIATE SCHOOL DISTRICT	101,765	-
US Dept of Education	Pass-through	84.011	191850-1819	MICHIGAN DEPT OF EDUCATION	104,483	-
US Dept of Education	Pass-through	84.011	211850-2021	MICHIGAN DEPT OF EDUCATION	78,037	-
US Dept of Education	Pass-through	84.295	35063-EDJ	CORP FOR PUBLIC BROADCASTING	4,728	-
US Dept of Education	Pass-through	84.325	UNIV61319	VANDERBILT UNIV	1,251	-
US Dept of Education	Pass-through	84.423	10797	WESTERN MICHIGAN UNIV	19,495	-
US Dept of Education	Pass-through	84.425	00513018	MICHIGAN VIRTUAL UNIV	148,124	-
	Pass-through Total				<u>795,407</u>	-
	US Dept of Education Total				<u>103,296,039</u>	-
Vietnam Education Foundation	Direct	85.802	SCHOOL CERTIFYING OFFICIALS	VIETNAM EDUCATION FOUNDATION	825	-
	Direct Total				<u>825</u>	-
	Vietnam Education Foundation Total				<u>825</u>	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
OTHER FEDERAL AWARDS (CONTINUED)						
US Dept of Health and Human Services	Direct	93.U01	21PA2111279	CENTERS FOR DISEASE CONTROL AND PREVENTION	\$ 18,357	\$ -
US Dept of Health and Human Services	Direct	93.103	UFD006175A	FOOD AND DRUG ADMINISTRATION	39,083	-
US Dept of Health and Human Services	Direct	93.110	E20203612-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	7,300	-
US Dept of Health and Human Services	Direct	93.110	E20203613-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	7,538	-
US Dept of Health and Human Services	Direct	93.124	A22HP30937	HEALTH RESOURCES AND SERVICES ADMINISTRATION	16,736	-
US Dept of Health and Human Services	Direct	93.157	COVID-19 - TINHP39162	HEALTH RESOURCES AND SERVICES ADMINISTRATION	110,819	-
US Dept of Health and Human Services	Direct	93.157	D34HP24457	HEALTH RESOURCES AND SERVICES ADMINISTRATION	688,651	-
US Dept of Health and Human Services	Direct	93.197	1NUE2EH001370-01-00	CENTERS FOR DISEASE CONTROL AND PREVENTION	3,898,426	1,089,110
US Dept of Health and Human Services	Direct	93.197	5 NUE2EH001370-04-00	CENTERS FOR DISEASE CONTROL AND PREVENTION	839,733	188,495
US Dept of Health and Human Services	Direct	93.498	COVID-19-HHS-76043608309	US DEPT OF HEALTH AND HUMAN SERVICES	452,278	-
US Dept of Health and Human Services	Direct	93.498	COVID-19-HHS-76043608309	US DEPT OF HEALTH AND HUMAN SERVICES	763,994	-
US Dept of Health and Human Services	Direct	93.626	5 6 U600H008466-15-03	NATIONAL INST FOR OCCUPATIONAL SAFETY AND HEALTH	664,206	32,732
US Dept of Health and Human Services	Direct	93.761	90FPSG0014-01-00	US DEPT OF HEALTH AND HUMAN SERVICES	6,059	-
US Dept of Health and Human Services	Direct	93.761	90FPSG0014-01-00	US DEPT OF HEALTH AND HUMAN SERVICES	78,393	-
US Dept of Health and Human Services	Direct	93.788	H79T1082573	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES ADMINISTRATION	115,432	-
US Dept of Health and Human Services	Direct	93.788	H79T1082573	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES ADMINISTRATION	362,705	-
US Dept of Health and Human Services	Direct	93.865	F31HD103404	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	4,084	-
US Dept of Health and Human Services	Direct	93.865	F31HD103404	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	29,044	-
US Dept of Health and Human Services	Direct	93.976	K02HP90816	HEALTH RESOURCES AND SERVICES ADMINISTRATION	194,485	-
	Direct Total				8,297,323	1,310,337
US Dept of Health and Human Services	Pass-through	93.U03	Kinship FY21 TCOA	TRI COUNTY OFFICE ON AGING	1,456	-
US Dept of Health and Human Services	Pass-through	93.001	AOEC EXPOSURE	ASSOC OF OCCUPATIONAL AND ENVIRONMENTAL CLINICS	8,726	-
US Dept of Health and Human Services	Pass-through	93.052	KINSHIP FY 20	TRI COUNTY OFFICE ON AGING	(7)	-
US Dept of Health and Human Services	Pass-through	93.069	E20202900-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	19,256	-
US Dept of Health and Human Services	Pass-through	93.069	E20212407-001	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	27,190	-
US Dept of Health and Human Services	Pass-through	93.070	E20214670-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	58,793	-
US Dept of Health and Human Services	Pass-through	93.080	CDC 19-20-442	HEMOPHILIA FOUNDATION OF MICHIGAN	15,038	-
US Dept of Health and Human Services	Pass-through	93.080	CDC 442 20-21	HEMOPHILIA FOUNDATION OF MICHIGAN	44,386	-
US Dept of Health and Human Services	Pass-through	93.103	190000002839	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	251	-
US Dept of Health and Human Services	Pass-through	93.103	200000002930	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	285,633	-
US Dept of Health and Human Services	Pass-through	93.103	IP 00462816	NATIONAL ASSOC OF STATE DEPT OF AG	35	-
US Dept of Health and Human Services	Pass-through	93.103	MDAR 5U18FD005902-03	MICHIGAN FOOD AND FARMING SYSTEMS	4,499	-
US Dept of Health and Human Services	Pass-through	93.110	E20200893-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	6,442	-
US Dept of Health and Human Services	Pass-through	93.110	E20212410-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	6,937	-
US Dept of Health and Human Services	Pass-through	93.110	E20212411-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	17,576	-
US Dept of Health and Human Services	Pass-through	93.110	E20212412-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	4,549	-
US Dept of Health and Human Services	Pass-through	93.110	MCHB 442 19-20	HEMOPHILIA FOUNDATION OF MICHIGAN	(51)	-
US Dept of Health and Human Services	Pass-through	93.110	MCHB 442 20-21	HEMOPHILIA FOUNDATION OF MICHIGAN	60,232	-
US Dept of Health and Human Services	Pass-through	93.110	NHSA- MSU - 2020-443	SPECTRUM HEALTH SYSTEM	63,579	-
US Dept of Health and Human Services	Pass-through	93.110	SUBK00010309	UNIVERSITY OF MICHIGAN	841	-
US Dept of Health and Human Services	Pass-through	93.110	WSU20106	WAYNE STATE UNIV	85,060	-
US Dept of Health and Human Services	Pass-through	93.113	10009736-MSU01	BOWLING GREEN STATE UNIVERSITY	28,967	-
US Dept of Health and Human Services	Pass-through	93.137	1 CPIMP201205-01-00	ARAB COMMUNITY CENTER FOR ECONOMIC AND SOCIAL SERVICES	81,765	-
US Dept of Health and Human Services	Pass-through	93.137	PD #48473	GREATERT FLINT HEALTH COALITION	42,014	-
US Dept of Health and Human Services	Pass-through	93.155	3200002902-20-258	UNIVERSITY OF KENTUCKY	14,045	-
US Dept of Health and Human Services	Pass-through	93.243	1H79T1081640-01	MUNSON MEDICAL CENTER	47,864	-
US Dept of Health and Human Services	Pass-through	93.243	3H79SM063521-05S1	CITY OF FLINT	43,644	-
US Dept of Health and Human Services	Pass-through	93.323	COVID-19 - E20214628-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	103,143	-
US Dept of Health and Human Services	Pass-through	93.325	90PRRC002-02-00	CHRISTOPHER AND DANA REEVE FOUNDATION	24,611	-
US Dept of Health and Human Services	Pass-through	93.359	FP00007763_SA004	VIRGINIA COMMONWEALTH UNIV	13,098	-
US Dept of Health and Human Services	Pass-through	93.395	1R43CA235823-01 REVISED	FIBROSIS LLC	81,472	-
US Dept of Health and Human Services	Pass-through	93.421	5NU380T000279-03-00	ASSOC FOR STATE PUBLIC HEALTH NUTRITIONISTS	50,240	-
US Dept of Health and Human Services	Pass-through	93.421	E20204185-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	30,145	-
US Dept of Health and Human Services	Pass-through	93.421	E20214354-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	26,283	-
US Dept of Health and Human Services	Pass-through	93.421	E20214706-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	976	-
US Dept of Health and Human Services	Pass-through	93.556	E20202519-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	12,178	-
US Dept of Health and Human Services	Pass-through	93.556	E20202757-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	151,746	-
US Dept of Health and Human Services	Pass-through	93.556	E20212676-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	207,347	-
US Dept of Health and Human Services	Pass-through	93.590	GLCYD CTFDS17-52001	GREAT LAKES CENTER FOR YOUTH DEVELOPMENT	1,947	-
US Dept of Health and Human Services	Pass-through	93.644	E20200891-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	8,307	-
US Dept of Health and Human Services	Pass-through	93.648	19-19-82905	RESEARCH FOUNDATION OF SUNY	(2,920)	-
US Dept of Health and Human Services	Pass-through	93.648	3-86154	RESEARCH FOUNDATION OF SUNY	107,477	-
US Dept of Health and Human Services	Pass-through	93.648	3-89268	RESEARCH FOUNDATION OF SUNY	170,019	-
US Dept of Health and Human Services	Pass-through	93.788	11000781-011	PURDUE UNIV	4,854	-
US Dept of Health and Human Services	Pass-through	93.788	E20193231-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	(26,375)	-
US Dept of Health and Human Services	Pass-through	93.788	E20201305-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	10,224	-
US Dept of Health and Human Services	Pass-through	93.788	E20201677-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	3,498	-
US Dept of Health and Human Services	Pass-through	93.788	E20201939-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	330,641	272,954
US Dept of Health and Human Services	Pass-through	93.788	E20203211-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	36,672	-
US Dept of Health and Human Services	Pass-through	93.788	E20212554-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	229,704	-
US Dept of Health and Human Services	Pass-through	93.788	E20212555-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	339,824	144,842
US Dept of Health and Human Services	Pass-through	93.853	3004548920	UNIVERSITY OF MICHIGAN	27,979	-
US Dept of Health and Human Services	Pass-through	93.859	1R44GN134738-01	GLYCAN THERAPEUTICS	106,544	-
US Dept of Health and Human Services	Pass-through	93.859	4500002876	BOSTON UNIV	30,496	-
US Dept of Health and Human Services	Pass-through	93.859	Phase II	GLYCAN THERAPEUTICS	187,073	-
US Dept of Health and Human Services	Pass-through	93.872	FY17.494.004	UNIVERSITY OF COLORADO DENVER	6,223	-
US Dept of Health and Human Services	Pass-through	93.889	E20202900-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	6,419	-
US Dept of Health and Human Services	Pass-through	93.889	E20212407-001	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	9,063	-
US Dept of Health and Human Services	Pass-through	93.926	HRSMSU-2020-2005-093	SPECTRUM HEALTH SYSTEM	111,946	-
US Dept of Health and Human Services	Pass-through	93.926	Resolution 18-189	GENESEEE COUNTY HEALTH DEPT	864,047	-
US Dept of Health and Human Services	Pass-through	93.989	1600922	UNIVERSITY OF MARYLAND	43,869	-
US Dept of Health and Human Services	Pass-through	93.994	E20201677-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	66,454	-
US Dept of Health and Human Services	Pass-through	93.994	E20212413-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	2,810	-
	Pass-through Total				4,346,754	417,796
	US Dept of Health and Human Services Total				12,644,077	1,728,133
Corporation for National and Community Service	Direct	94.013	19VSNM1005	CORP FOR NATIONAL AND COMMUNITY SERVICE AMERICORPS	11,390	-
	Direct Total				11,390	-
Corporation for National and Community Service	Pass-through	94.006	20-MCSC-MACFF-16	MICHIGAN COMMUNITY SERVICE COMMISSION	191,794	-
Corporation for National and Community Service	Pass-through	94.006	E20193550-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	75,738	-
	Pass-through Total				267,532	-
	Corporation for National and Community Service Total				278,922	-
US Dept of Homeland Security	Direct	97.012	3316SUR160102	US COAST GUARD	49,768	-
	Direct Total				49,768	-
	US Dept of Homeland Security Total				49,768	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
OTHER FEDERAL AWARDS (CONTINUED)						
US Agency for International Development	Direct	98.001	AID-OAA-A-13-00006	US AGENCY FOR INTL DEVELOPMENT	13,925	-
US Agency for International Development	Direct	98.001	AID-OAA-A-13-00006	US AGENCY FOR INTL DEVELOPMENT	11	-
US Agency for International Development	Direct	98.001	AID-OAA-A-13-00006	US AGENCY FOR INTL DEVELOPMENT	3,213,074	389,592
US Agency for International Development	Direct	98.012	7200AA18CA00021	US AGENCY FOR INTL DEVELOPMENT	275,657	132,442
	Direct Total				<u>3,502,667</u>	<u>522,034</u>
US Agency for International Development	Pass-through	98.001	2779	IMPAQ INTL	2,448	-
US Agency for International Development	Pass-through	98.001	87718-11202	CORNELL UNIV	57,785	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	(28,505)	13,676
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	(20,197)	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	(15,319)	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	(11,275)	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	(6,110)	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	(6,416)	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	(6,245)	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	(1,050)	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	(210)	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	26,361	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	32,410	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	35,447	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	43,098	43,098
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	48,296	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	61,884	62,401
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	62,079	54,000
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	101,750	39,941
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	320,102	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	331,621	140,765
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	513,018	295,676
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	565,902	454,153
US Agency for International Development	Pass-through Total				<u>2,145,074</u>	<u>1,103,710</u>
	US Agency for International Development Total				<u>5,647,741</u>	<u>1,625,744</u>
			TOTAL OTHER FEDERAL AWARDS		<u>178,863,804</u>	<u>4,470,504</u>
			TOTAL FEDERAL EXPENDITURES		<u>\$ 935,551,790</u>	<u>\$ 44,115,243</u>
SUMMARY OF EXPENDITURES BY FEDERAL AGENCY						
US Dept of Education					\$ 156,478,747	\$ 394,054
US Dept of Energy					108,361,601	2,615,413
US Dept of Health and Human Services					101,943,007	16,513,221
National Science Foundation					75,223,596	5,744,487
US Dept of Agriculture					53,438,557	6,975,974
US Dept of Treasury					34,817,555	-
US Agency for International Development					17,911,524	6,908,147
US Dept of Defense					14,660,296	2,415,602
US Dept of Justice					6,151,547	1,373,300
Small Business Administration					5,030,239	-
National Aeronautics and Space Administration					4,059,729	313,345
US Dept of Interior					2,754,486	79,501
US Dept of Transportation					2,375,084	218,047
US Dept of Commerce					1,997,383	7,626
Environmental Protection Agency					1,507,150	401,052
US Dept of US Dept of State					574,891	-
US Dept of Homeland Security					446,990	49,994
US Dept of State					289,571	105,480
Corporation for National and Community Service					278,922	-
National Endowment for the Arts and Humanities					221,855	-
US Dept of Housing and Urban Development					1,500	-
Vietnam Education Foundation					825	-
					<u>588,525,055</u>	<u>44,115,243</u>
SUMMARY OF LOAN BALANCES BY FEDERAL AGENCY						
US Dept of Education					332,194,074	-
US Dept of Health and Human Services					14,832,661	-
					<u>347,026,735</u>	-
TOTAL FEDERAL EXPENDITURES					<u>\$ 935,551,790</u>	<u>\$ 44,115,243</u>

Notes to Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

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, 2021. The information in the Schedule is presented in accordance with the 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"). Because the Schedule presents only a selected portion of the operations of the University, it is not intended to and does not present the financial position, changes in net position, or cash flows of the University.

Note 2 - Summary of Significant Accounting Policies

Expenditures reported in the Schedule are reported on the accrual basis of accounting. Such expenditures are recognized following 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, except for expenditures related to ALN 21.019, Coronavirus Relief Fund (CRF). CRF does not apply 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*, but rather applies the U.S. Department of the Treasury's guidance. 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. The pass-through entity identifying numbers are presented where available.

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

Included as federal expenditures are indirect costs of \$84,549,533, which are based on the approved university rate agreement negotiated with the cognizant agency. The negotiated rate is effective from July 1, 2019 through June 30, 2023.

Note 3 - 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 4 - Assistance Listing Numbers (ALN)

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

Notes to Schedule of Expenditures of Federal Awards

Year Ended June 30, 2021

Note 5 - Loan Balances

As part of the Student Financial Assistance Cluster, the University participates in the Federal Perkins Loan Program through the U.S. Department of Education, the Health Professional Student Loan Program, and the 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:

Assistance Listing Number	Loan Program	Loan Issued	Loan Balances
84.038	Federal Perkins Loans	\$ -	\$ 11,728,552
93.264	Nurse Faculty Loans	82,020	362,902
93.342	Health Professional Student Loans	2,706,846	12,989,492
93.364	Nursing Student Loans	10,200	10,200
		<u>\$ 2,799,066</u>	<u>\$ 25,091,146</u>

The Federal Perkins Loan Program expired on September 30, 2017, which ended the issuance of new loans under this program and disallowed any new disbursements after June 30, 2018. The University continues to service outstanding loans in accordance with program specifications, as permitted by the federal government.

The University participates in the Federal Direct Student Loan Program (FDLs). A total of \$315,327,987 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, 2021.

The University had participated in the discontinued U.S. Department of Education Federal Family Education Loan Program and continues to hold and service loans with a total outstanding balance of \$684,388 at June 30, 2021.

Note 6 - Federal Work-Study Program Adjustments and Transfers

During the year ended June 30, 2021, Federal Work-Study funds were transferred in accordance with federal guidelines. The transfers were as follows:

Transferred from	Amount	Transferred to
Federal Work Study 2020-2021	\$ 1,610,950	Federal Supplemental Educational Opportunity Grant 2020-2021
Federal Work Study 2019-2020	2,365	Federal Work-Study 2020-2021
Federal Work Study 2020-2021	244,428	Federal Work-Study 2021-2022
Total	<u>\$ 1,857,743</u>	

Schedule of Findings and Questioned Costs

Schedule of Findings and Questioned Costs

Year Ended June 30, 2021

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

Noncompliance material to financial statements noted? _____ Yes X None reported

Federal Awards

Internal control over major programs:

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

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

Identification of major programs:

Assistance Listing Number	Name of Federal Program or Cluster	Opinion
Various	Research and Development Cluster	Unmodified
84.032	Federal Family Education Loan Program - Lenders	Unmodified
21.019	COVID-19 - Coronavirus Relief Fund	Unmodified
84.425E, 84.425F	COVID-19 - Education Stabilization Fund Higher Education Emergency Relief Fund	Unmodified
10.561	SNAP Cluster - Supplemental Nutrition Assistance Program	Unmodified
59.075	COVID-19 - Shuttered Venues Operators Grant	Unmodified

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

Auditee qualified as low-risk auditee? X Yes _____ No

Section II - Financial Statement Audit Findings

Reference Number	Finding
Current Year	None

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2021

Section III - Federal Program Audit Findings

Reference Number	Finding	Questioned Costs
Current Year	None	