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# Michigan State University

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**June 30, 2022**

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

**Independent Auditor's Report**

To the Board of Trustees  
Michigan State University

We have audited the financial statements of the business-type activities and discretely presented component unit of Michigan State University (the "University") as of and for the year ended June 30, 2022 and the related notes to the financial statements, which collectively comprise the University's basic financial statements. We issued our report thereon dated October 27, 2022, which contained an unmodified opinion on those financial statements. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. We have not performed any procedures with respect to the audited financial statements subsequent to October 27, 2022. We did not audit the financial statements of Michigan State University 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 Michigan State University Foundation, is based on the report of the other auditors.

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

*Plante & Moran, PLLC*

March 22, 2023

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 the business-type activities and discretely presented component unit of Michigan State University (the "University") as of and for the year ended June 30, 2022 and the related notes to the financial statements, which collectively comprise the University's basic financial statements, and have issued our report thereon dated October 27, 2022. 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. The financial statements of the Foundation were not audited in accordance with *Government Auditing Standards*, and, accordingly, this report does not include reporting on internal control over financial reporting or compliance and other matters associated with the Foundation or that are reported on separately by those auditors who audited the financial statements of the Foundation.

**Report on 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 or significant deficiencies may exist that were not identified.

**Report on 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 27, 2022

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**

***Qualified and Unmodified Opinions***

We have audited Michigan State University's (the "University") compliance with the types of compliance requirements identified as subject to audit in the 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, 2022. 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.

***Qualified Opinion on Student Financial Assistance Cluster***

In our opinion, except for the noncompliance described in the *Basis for Qualified and Unmodified Opinions* section of our report, 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 the Student Financial Assistance Cluster for the year ended June 30, 2022.

***Unmodified Opinion on Each of the Other Major Federal Programs***

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 its other major federal programs identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs for the year ended June 30, 2022.

***Basis for Qualified and Unmodified Opinions***

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America (GAAS); 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"). Our responsibilities under those standards and the Uniform Guidance are further described in the *Auditor's Responsibilities for the Audit of Compliance* section of our report.

We are required to be independent of Michigan State University and to meet our other ethical responsibilities in accordance with relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on compliance for each major federal program. Our audit does not provide a legal determination of Michigan State University's compliance with the compliance requirements referred to above.

***Matters Giving Rise to Qualified Opinion on Student Financial Assistance Cluster***

As described in the accompanying schedule of findings and questioned costs, the University did not comply with requirements regarding the Student Financial Assistance Cluster, as described in Findings 2022-001 through 2022-006, for eligibility and special tests and provisions.

Compliance with such requirements is necessary, in our opinion, for the University to comply with the requirements applicable to that program.

To the Board of Trustees  
Michigan State University

### ***Responsibilities of Management for Compliance***

Management is responsible for compliance with the requirements referred to above and for the design, implementation, and maintenance of effective internal control over compliance with the requirements of laws, statutes, regulations, rules, and provisions of contracts or grant agreements applicable to the University's federal programs.

### ***Auditor's Responsibilities for the Audit of Compliance***

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on Michigan State University's compliance based on our audit. Reasonable assurance is a high level of assurance but is not absolute assurance and, therefore, is not a guarantee that an audit conducted in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about Michigan State University's compliance with the requirements of each major federal program as a whole.

In performing an audit in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding Michigan State University's compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.
- Obtain an understanding of Michigan State University's internal control over compliance relevant to the audit in order to design audit procedures that are appropriate in the circumstances 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 Michigan State University's internal control over compliance. Accordingly, no such opinion is expressed.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and any significant deficiencies and material weaknesses in internal control over compliance that we identified during the audit.

### **Report on Internal Control Over Compliance**

Our consideration of internal control over compliance was for the limited purpose described in the *Auditor's Responsibilities for the Audit of Compliance* section above and was not designed to identify all deficiencies in internal control over compliance, and, therefore, material weaknesses or significant deficiencies may exist that were not identified. However, as discussed below, we did identify certain deficiencies in internal control over compliance that we consider to be material weaknesses and significant deficiencies.

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 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. We consider the deficiencies in internal control over compliance described in the accompanying schedule of findings and questioned costs as Findings 2022-001, 2022-003, 2022-004, and 2022-005 to be material weaknesses.

To the Board of Trustees  
Michigan State University

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. We consider the deficiencies in internal control over compliance described in the accompanying schedule of findings and questioned costs as Findings 2022-002 and 2022-006 to be significant deficiencies.

Our audit was not designed for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, no such opinion is expressed.

*Government Auditing Standards* require the auditor to perform limited procedures on the University's responses to the noncompliance findings identified in our audit and described in the accompanying schedule of findings and questioned costs. The University's responses were not subjected to the other auditing procedures applied in the audit of compliance, and, accordingly, we express no opinion on them.

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*

March 22, 2023



Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER</b>						
US Dept of Agriculture	Direct	10.001	58-0202-0-177	AGRICULTURAL RESEARCH SERVICE	\$ 510,425	\$ -
US Dept of Agriculture	Direct	10.001	58-0206-1-187	AGRICULTURAL RESEARCH SERVICE	40,000	-
US Dept of Agriculture	Direct	10.001	58-2034-0-024	AGRICULTURAL RESEARCH SERVICE	16,056	-
US Dept of Agriculture	Direct	10.001	58-2034-1-017	AGRICULTURAL RESEARCH SERVICE	485	-
US Dept of Agriculture	Direct	10.001	58-2054-2-022	AGRICULTURAL RESEARCH SERVICE	2,232	-
US Dept of Agriculture	Direct	10.001	58-2072-0-059	AGRICULTURAL RESEARCH SERVICE	146,912	-
US Dept of Agriculture	Direct	10.001	58-3042-8-012	AGRICULTURAL RESEARCH SERVICE	8,506	-
US Dept of Agriculture	Direct	10.001	58-3060-1-024	AGRICULTURAL RESEARCH SERVICE	40,851	-
US Dept of Agriculture	Direct	10.001	58-3060-8-022	AGRICULTURAL RESEARCH SERVICE	115,498	-
US Dept of Agriculture	Direct	10.001	58-3055-4-042	AGRICULTURAL RESEARCH SERVICE	(2,271)	-
US Dept of Agriculture	Direct	10.001	58-5050-0-001	AGRICULTURAL RESEARCH SERVICE	60,817	-
US Dept of Agriculture	Direct	10.001	58-5050-0-002	AGRICULTURAL RESEARCH SERVICE	7,321	-
US Dept of Agriculture	Direct	10.001	58-5050-0-003	AGRICULTURAL RESEARCH SERVICE	8,088	-
US Dept of Agriculture	Direct	10.001	58-5050-0-004	AGRICULTURAL RESEARCH SERVICE	8,899	-
US Dept of Agriculture	Direct	10.001	58-5050-1-001	AGRICULTURAL RESEARCH SERVICE	90,014	-
US Dept of Agriculture	Direct	10.001	58-5050-1-002	AGRICULTURAL RESEARCH SERVICE	126,370	-
US Dept of Agriculture	Direct	10.001	58-5050-1-003	AGRICULTURAL RESEARCH SERVICE	61,917	-
US Dept of Agriculture	Direct	10.001	58-5050-1-004	AGRICULTURAL RESEARCH SERVICE	43,126	-
US Dept of Agriculture	Direct	10.001	58-5050-1-005	AGRICULTURAL RESEARCH SERVICE	34,308	-
US Dept of Agriculture	Direct	10.001	58-5050-1-006	AGRICULTURAL RESEARCH SERVICE	45,116	-
US Dept of Agriculture	Direct	10.001	58-5050-1-007	AGRICULTURAL RESEARCH SERVICE	4,241	-
US Dept of Agriculture	Direct	10.001	58-5050-8-008	AGRICULTURAL RESEARCH SERVICE	84,642	-
US Dept of Agriculture	Direct	10.001	58-5050-9-001	AGRICULTURAL RESEARCH SERVICE	25,499	-
US Dept of Agriculture	Direct	10.001	58-5050-9-003	AGRICULTURAL RESEARCH SERVICE	294	-
US Dept of Agriculture	Direct	10.001	58-5050-9-004	AGRICULTURAL RESEARCH SERVICE	(721)	-
US Dept of Agriculture	Direct	10.001	58-5082-8-023	AGRICULTURAL RESEARCH SERVICE	33,590	-
US Dept of Agriculture	Direct	10.001	58-5090-0-025	AGRICULTURAL RESEARCH SERVICE	32,131	-
US Dept of Agriculture	Direct	10.001	58-5090-0-027	AGRICULTURAL RESEARCH SERVICE	9,531	-
US Dept of Agriculture	Direct	10.001	58-8010-0-015	AGRICULTURAL RESEARCH SERVICE	(340)	-
US Dept of Agriculture	Direct	10.001	58-8050-1-001	AGRICULTURAL RESEARCH SERVICE	11,923	-
US Dept of Agriculture	Direct	10.001	58-8060-1-004	AGRICULTURAL RESEARCH SERVICE	4,336	-
US Dept of Agriculture	Direct	10.001	58-8060-6-009	AGRICULTURAL RESEARCH SERVICE	10,799	-
US Dept of Agriculture	Direct	10.001	59-0206-0-114	AGRICULTURAL RESEARCH SERVICE	78,590	-
US Dept of Agriculture	Direct	10.001	59-0206-0-138	AGRICULTURAL RESEARCH SERVICE	35,096	-
US Dept of Agriculture	Direct	10.001	59-0206-1-12	AGRICULTURAL RESEARCH SERVICE	62,292	-
US Dept of Agriculture	Direct	10.001	59-0206-8-215	AGRICULTURAL RESEARCH SERVICE	28,879	-
US Dept of Agriculture	Direct	10.001	59-5050-7-001	AGRICULTURAL RESEARCH SERVICE	18,196	-
US Dept of Agriculture	Direct	10.001	59-5090-5-004	AGRICULTURAL RESEARCH SERVICE	(1,968)	-
US Dept of Agriculture	Direct	10.001	58-3655-4-044	AGRICULTURAL RESEARCH SERVICE	(539)	-
US Dept of Agriculture	Direct	10.025	AP19PPQS&T00C206	ANIMAL & PLANT HEALTH INSPECTION SERVICE	34,333	-
US Dept of Agriculture	Direct	10.025	AP19PPQS&T00C034	ANIMAL & PLANT HEALTH INSPECTION SERVICE	(589)	-
US Dept of Agriculture	Direct	10.025	AP19PPQS&T00C153	ANIMAL & PLANT HEALTH INSPECTION SERVICE	1,404	-
US Dept of Agriculture	Direct	10.025	AP19PPQS&T00C155	ANIMAL & PLANT HEALTH INSPECTION SERVICE	120,285	90,184
US Dept of Agriculture	Direct	10.025	AP20PPQS&T00C056	ANIMAL & PLANT HEALTH INSPECTION SERVICE	64,872	-
US Dept of Agriculture	Direct	10.025	AP20PPQS&T00C016	ANIMAL & PLANT HEALTH INSPECTION SERVICE	52,683	-
US Dept of Agriculture	Direct	10.025	AP20PPQS&T00C019	ANIMAL & PLANT HEALTH INSPECTION SERVICE	57,686	-
US Dept of Agriculture	Direct	10.025	AP20PPQS&T00C101	ANIMAL & PLANT HEALTH INSPECTION SERVICE	48,311	-
US Dept of Agriculture	Direct	10.025	AP20PPQS&T00C157	ANIMAL & PLANT HEALTH INSPECTION SERVICE	7,799	-
US Dept of Agriculture	Direct	10.025	AP21PPQS&T00C187	ANIMAL & PLANT HEALTH INSPECTION SERVICE	28,205	-
US Dept of Agriculture	Direct	10.025	AP21PPQS&T00C034	ANIMAL & PLANT HEALTH INSPECTION SERVICE	29,633	-
US Dept of Agriculture	Direct	10.025	AP21PPQS&T00C136	ANIMAL & PLANT HEALTH INSPECTION SERVICE	60,906	-
US Dept of Agriculture	Direct	10.025	AP21PPQS&T00C154	ANIMAL & PLANT HEALTH INSPECTION SERVICE	40,437	-
US Dept of Agriculture	Direct	10.025	AP21PPQS&T00C167	ANIMAL & PLANT HEALTH INSPECTION SERVICE	18,925	-
US Dept of Agriculture	Direct	10.025	AP22VSD&B00C021	ANIMAL & PLANT HEALTH INSPECTION SERVICE	115,245	-
US Dept of Agriculture	Direct	10.025	AP22VSD&B00C021	ANIMAL & PLANT HEALTH INSPECTION SERVICE	11,031	-
US Dept of Agriculture	Direct	10.069	FB21CPT0011802	USDA- FARM SERVICE AGENCY	146,103	2,478
US Dept of Agriculture	Direct	10.156	AM180100XXXXG0151	AGRICULTURAL MARKETING SERVICE	26,881	-
US Dept of Agriculture	Direct	10.156	AM190100XXXXG062	AGRICULTURAL MARKETING SERVICE	23,619	-
US Dept of Agriculture	Direct	19.154	19-TMMSD-MM-0008	AGRICULTURAL MARKETING SERVICE	74,331	-
US Dept of Agriculture	Direct	10.164	21-TMMSD-MM-0002	AGRICULTURAL MARKETING SERVICE	50,329	-
US Dept of Agriculture	Direct	10.174	21ACERMI1009	AGRICULTURAL MARKETING SERVICE	38,890	-
US Dept of Agriculture	Direct	10.174	AM200100XXXXG010	US DEPT OF AGRICULTURE	107,802	-
US Dept of Agriculture	Direct	10.200	2019-34141-30284	NATIONAL INST OF FOOD & AGRICULTURE	496,102	406,192
US Dept of Agriculture	Direct	10.200	2019-34141-30282	NATIONAL INST OF FOOD & AGRICULTURE	1,313	-
US Dept of Agriculture	Direct	10.200	2019-70007-30417	NATIONAL INST OF FOOD & AGRICULTURE	65,130	22,976
US Dept of Agriculture	Direct	10.200	2020-70007-32410	NATIONAL INST OF FOOD & AGRICULTURE	89,079	-
US Dept of Agriculture	Direct	10.200	2021-34141-35447	NATIONAL INST OF FOOD & AGRICULTURE	306,945	239,683
US Dept of Agriculture	Direct	10.202	NI21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	51,111	-
US Dept of Agriculture	Direct	10.202	NI21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	45,044	-
US Dept of Agriculture	Direct	10.202	NI21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	39,489	-
US Dept of Agriculture	Direct	10.202	NI21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	35,086	-
US Dept of Agriculture	Direct	10.202	NI21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	31,325	-
US Dept of Agriculture	Direct	10.202	NI21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	29,187	-
US Dept of Agriculture	Direct	10.202	NI21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	20,866	-
US Dept of Agriculture	Direct	10.202	NI21MSCFRXXXG021-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	19,014	-
US Dept of Agriculture	Direct	10.202	NI22MSCFRXXXG017-MCINTIRE-STENNIS	US DEPT OF AGRICULTURE	11,139	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	469,964	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	329,264	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	252,241	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	182,687	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	18,702	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	937,346	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	835,312	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	573,546	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	246,356	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	212,188	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	187,591	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	180,143	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	146,363	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	58,361	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	57,389	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	40,347	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	34,648	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	26,634	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	25,278	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	24,674	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	6,635	-
US Dept of Agriculture	Direct	10.203	NI21HFPXXXXG005-HATCH	US DEPT OF AGRICULTURE	(2,443)	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	132,580	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	96,839	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	43,863	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	43,227	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	35,012	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	35,000	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	29,837	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	29,106	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	29,011	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	23,480	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	21,634	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	21,518	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	21,064	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	19,619	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	16,496	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	14,465	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	14,167	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	10,852	-
US Dept of Agriculture	Direct	10.203	NI21HMFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	10,740	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	\$ 7,545	\$ -
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	5,444	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	4,997	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	4,993	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	5,446	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	4,519	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	4,222	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	3,790	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	3,734	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	3,729	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	3,509	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	3,098	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	2,582	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	2,163	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	2,148	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	2,061	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	2,003	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	1,938	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	849	-
US Dept of Agriculture	Direct	10.203	NI21HMPFXXXXG027-HATCH MULTISTATE	US DEPT OF AGRICULTURE	318	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG010-HATCH	US DEPT OF AGRICULTURE	128,165	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG010-HATCH	US DEPT OF AGRICULTURE	112,119	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG010-HATCH	US DEPT OF AGRICULTURE	76,692	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	50,247	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	33,056	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	29,587	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	27,452	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	21,545	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	20,990	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	18,698	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	17,837	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	11,522	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	11,041	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	9,386	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	8,033	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	7,715	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	7,574	-
US Dept of Agriculture	Direct	10.203	NI22HFPXXXXG053-HATCH MULTISTATE	US DEPT OF AGRICULTURE	5,461	-
US Dept of Agriculture	Direct	10.207	NI22HDRXXXXG005	US DEPT OF AGRICULTURE	130,119	-
US Dept of Agriculture	Direct	10.219	2018-33522-28736	NATIONAL INST OF FOOD & AGRICULTURE	139,812	11,737
US Dept of Agriculture	Direct	10.250	58-3000-1-0108	ECONOMIC RESEARCH SERVICE	23,959	-
US Dept of Agriculture	Direct	10.250	58-6000-1-0125	ECONOMIC RESEARCH SERVICE	82,908	-
US Dept of Agriculture	Direct	10.250	58-6007	ECONOMIC RESEARCH SERVICE	21,827	-
US Dept of Agriculture	Direct	10.303	2018-51150-28698	NATIONAL INST OF FOOD & AGRICULTURE	(412)	(412)
US Dept of Agriculture	Direct	10.303	2018-51106-28776	NATIONAL INST OF FOOD & AGRICULTURE	14,576	3,537
US Dept of Agriculture	Direct	10.303	2018-51106-28779	NATIONAL INST OF FOOD & AGRICULTURE	53,190	-
US Dept of Agriculture	Direct	10.304	2016-37620-25765	NATIONAL INST OF FOOD & AGRICULTURE	528,590	311,874
US Dept of Agriculture	Direct	10.304	2021-51792-32788	NATIONAL INST OF FOOD & AGRICULTURE	347,760	257,687
US Dept of Agriculture	Direct	10.307	2016-51300-25732	NATIONAL INST OF FOOD & AGRICULTURE	2,258	1,761
US Dept of Agriculture	Direct	10.307	2016-51300-25732	NATIONAL INST OF FOOD & AGRICULTURE	362	-
US Dept of Agriculture	Direct	10.309	2015-51181-24285	NATIONAL INST OF FOOD & AGRICULTURE	5,419	-
US Dept of Agriculture	Direct	10.309	2015-51181-24285	NATIONAL INST OF FOOD & AGRICULTURE	(1,033)	-
US Dept of Agriculture	Direct	10.309	2017-51181-26281	NATIONAL INST OF FOOD & AGRICULTURE	62,474	46,228
US Dept of Agriculture	Direct	10.309	2017-51181-26282	NATIONAL INST OF FOOD & AGRICULTURE	505,718	325,556
US Dept of Agriculture	Direct	10.309	2017-51181-26282	NATIONAL INST OF FOOD & AGRICULTURE	21,082	-
US Dept of Agriculture	Direct	10.309	2017-51181-26282	NATIONAL INST OF FOOD & AGRICULTURE	4,355	-
US Dept of Agriculture	Direct	10.309	2018-51181-30017	NATIONAL INST OF FOOD & AGRICULTURE	320,430	123,186
US Dept of Agriculture	Direct	10.309	2018-51181-30017	NATIONAL INST OF FOOD & AGRICULTURE	102,990	-
US Dept of Agriculture	Direct	10.309	2020-51181-32130	NATIONAL INST OF FOOD & AGRICULTURE	1,131,142	946,664
US Dept of Agriculture	Direct	10.309	2020-51181-32139	NATIONAL INST OF FOOD & AGRICULTURE	134,582	-
US Dept of Agriculture	Direct	10.309	2020-51181-32155	NATIONAL INST OF FOOD & AGRICULTURE	556,812	275,158
US Dept of Agriculture	Direct	10.309	2020-51181-32158	NATIONAL INST OF FOOD & AGRICULTURE	1,152,040	725,709
US Dept of Agriculture	Direct	10.310	2017-67013-26168	NATIONAL INST OF FOOD & AGRICULTURE	(5,789)	-
US Dept of Agriculture	Direct	10.310	2022-67023-36536	NATIONAL INST OF FOOD & AGRICULTURE	19,008	5,819
US Dept of Agriculture	Direct	10.310	2014-68004-21881	NATIONAL INST OF FOOD & AGRICULTURE	611	-
US Dept of Agriculture	Direct	10.310	2015-68003-23415	NATIONAL INST OF FOOD & AGRICULTURE	209,082	209,082
US Dept of Agriculture	Direct	10.310	2016-68007-23133	NATIONAL INST OF FOOD & AGRICULTURE	(103)	-
US Dept of Agriculture	Direct	10.310	2016-68015-28200	NATIONAL INST OF FOOD & AGRICULTURE	64,444	5,405
US Dept of Agriculture	Direct	10.310	2016-68004-24931	NATIONAL INST OF FOOD & AGRICULTURE	49	-
US Dept of Agriculture	Direct	10.310	2016-68004-24931	NATIONAL INST OF FOOD & AGRICULTURE	(34,611)	8,959
US Dept of Agriculture	Direct	10.310	2016-68006-24852	NATIONAL INST OF FOOD & AGRICULTURE	35,389	-
US Dept of Agriculture	Direct	10.310	2017-67007-26176	NATIONAL INST OF FOOD & AGRICULTURE	222	-
US Dept of Agriculture	Direct	10.310	2017-67015-26084	NATIONAL INST OF FOOD & AGRICULTURE	216,796	-
US Dept of Agriculture	Direct	10.310	2017-67015-26676	NATIONAL INST OF FOOD & AGRICULTURE	294,175	-
US Dept of Agriculture	Direct	10.310	2017-67015-26806	NATIONAL INST OF FOOD & AGRICULTURE	86,402	-
US Dept of Agriculture	Direct	10.310	2017-67017-26528	NATIONAL INST OF FOOD & AGRICULTURE	10,012	-
US Dept of Agriculture	Direct	10.310	2017-67023-26271	NATIONAL INST OF FOOD & AGRICULTURE	49,690	-
US Dept of Agriculture	Direct	10.310	2017-67023-26395	NATIONAL INST OF FOOD & AGRICULTURE	3,756	-
US Dept of Agriculture	Direct	10.310	2017-68004-26323	NATIONAL INST OF FOOD & AGRICULTURE	(1)	-
US Dept of Agriculture	Direct	10.310	2018-67003-27406	NATIONAL INST OF FOOD & AGRICULTURE	406,224	148,862
US Dept of Agriculture	Direct	10.310	2018-67013-27404	NATIONAL INST OF FOOD & AGRICULTURE	182,479	-
US Dept of Agriculture	Direct	10.310	2018-67013-27457	NATIONAL INST OF FOOD & AGRICULTURE	100,689	-
US Dept of Agriculture	Direct	10.310	2018-67015-27592	NATIONAL INST OF FOOD & AGRICULTURE	79,964	-
US Dept of Agriculture	Direct	10.310	2018-67013-28065	NATIONAL INST OF FOOD & AGRICULTURE	55,580	-
US Dept of Agriculture	Direct	10.310	2018-67015-28242	NATIONAL INST OF FOOD & AGRICULTURE	52,673	-
US Dept of Agriculture	Direct	10.310	2018-67015-28288	NATIONAL INST OF FOOD & AGRICULTURE	95,991	-
US Dept of Agriculture	Direct	10.310	2018-67015-28302	NATIONAL INST OF FOOD & AGRICULTURE	196,236	-
US Dept of Agriculture	Direct	10.310	2018-67017-27876	NATIONAL INST OF FOOD & AGRICULTURE	113,764	-
US Dept of Agriculture	Direct	10.310	2018-67021-27967	NATIONAL INST OF FOOD & AGRICULTURE	117,063	-
US Dept of Agriculture	Direct	10.310	2018-68003-28151	NATIONAL INST OF FOOD & AGRICULTURE	240,065	174,643
US Dept of Agriculture	Direct	10.310	2018-68006-34968	NATIONAL INST OF FOOD & AGRICULTURE	67,586	-
US Dept of Agriculture	Direct	10.310	2018-67013-29015	NATIONAL INST OF FOOD & AGRICULTURE	91,485	15,011
US Dept of Agriculture	Direct	10.310	2019-67013-29203	NATIONAL INST OF FOOD & AGRICULTURE	57,346	-
US Dept of Agriculture	Direct	10.310	2019-67013-29203	NATIONAL INST OF FOOD & AGRICULTURE	17,401	-
US Dept of Agriculture	Direct	10.310	2019-67013-29203	NATIONAL INST OF FOOD & AGRICULTURE	11,546	-
US Dept of Agriculture	Direct	10.310	2019-67015-29443	NATIONAL INST OF FOOD & AGRICULTURE	136,550	-
US Dept of Agriculture	Direct	10.310	2019-67015-29483	NATIONAL INST OF FOOD & AGRICULTURE	163,304	-
US Dept of Agriculture	Direct	10.310	2019-67017-29112	NATIONAL INST OF FOOD & AGRICULTURE	77,189	-
US Dept of Agriculture	Direct	10.310	2019-67019-29305	NATIONAL INST OF FOOD & AGRICULTURE	244,449	45,557
US Dept of Agriculture	Direct	10.310	2019-67019-29305	NATIONAL INST OF FOOD & AGRICULTURE	54,139	-
US Dept of Agriculture	Direct	10.310	2019-67019-29361	NATIONAL INST OF FOOD & AGRICULTURE	133,279	-
US Dept of Agriculture	Direct	10.310	2019-68010-29281	NATIONAL INST OF FOOD & AGRICULTURE	30,977	-
US Dept of Agriculture	Direct	10.310	2020-67013-31185	NATIONAL INST OF FOOD & AGRICULTURE	51,378	-
US Dept of Agriculture	Direct	10.310	2020-67013-31185	NATIONAL INST OF FOOD & AGRICULTURE	198,940	11,584
US Dept of Agriculture	Direct	10.310	2020-67013-31919	NATIONAL INST OF FOOD & AGRICULTURE	70,808	-
US Dept of Agriculture	Direct	10.310	2020-67014-30902	NATIONAL INST OF FOOD & AGRICULTURE	181,281	19,207
US Dept of Agriculture	Direct	10.310	2020-67015-30827	NATIONAL INST OF FOOD & AGRICULTURE	195,643	136,327
US Dept of Agriculture	Direct	10.310	2020-67015-30853	NATIONAL INST OF FOOD & AGRICULTURE	94	-
US Dept of Agriculture	Direct	10.310	2020-67015-31257	NATIONAL INST OF FOOD & AGRICULTURE	76,185	-
US Dept of Agriculture	Direct	10.310	2020-67015-31541	NATIONAL INST OF FOOD & AGRICULTURE	102,362	-
US Dept of Agriculture	Direct	10.310	2020-67015-31562	NATIONAL INST OF FOOD & AGRICULTURE	123,754	26,495
US Dept of Agriculture	Direct	10.310	2020-67017-30788	NATIONAL INST OF FOOD & AGRICULTURE	90,490	13,874
US Dept of Agriculture	Direct	10.310	2020-67019-30838	NATIONAL INST OF FOOD & AGRICULTURE	68,564	-
US Dept of Agriculture	Direct	10.310	2020-67019-31147	NATIONAL INST OF FOOD & AGRICULTURE	129,633	-
US Dept of Agriculture	Direct	10.310	2020-67023-30958	NATIONAL INST OF FOOD & AGRICULTURE	81,698	-
US Dept of Agriculture	Direct	10.310	2020-67023-31635	NATIONAL INST OF FOOD & AGRICULTURE	7,486	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
US Dept of Agriculture	Direct	10.310	2020-67023-31635	NATIONAL INST OF FOOD & AGRICULTURE	\$ 4,861	\$ -
US Dept of Agriculture	Direct	10.310	2020-67023-33260	NATIONAL INST OF FOOD & AGRICULTURE	164,692	66,145
US Dept of Agriculture	Direct	10.310	2020-68012-31822	NATIONAL INST OF FOOD & AGRICULTURE	1,165,077	479,918
US Dept of Agriculture	Direct	10.310	2021-67013-33620	NATIONAL INST OF FOOD & AGRICULTURE	131,703	-
US Dept of Agriculture	Direct	10.310	2021-67013-33756	NATIONAL INST OF FOOD & AGRICULTURE	24,713	-
US Dept of Agriculture	Direct	10.310	2021-67015-33383	NATIONAL INST OF FOOD & AGRICULTURE	210,833	-
US Dept of Agriculture	Direct	10.310	2021-67015-33386	NATIONAL INST OF FOOD & AGRICULTURE	111,542	-
US Dept of Agriculture	Direct	10.310	2021-67015-33411	NATIONAL INST OF FOOD & AGRICULTURE	152,378	-
US Dept of Agriculture	Direct	10.310	2021-67015-33413	NATIONAL INST OF FOOD & AGRICULTURE	112,552	-
US Dept of Agriculture	Direct	10.310	2021-67034-35163	NATIONAL INST OF FOOD & AGRICULTURE	60,225	-
US Dept of Agriculture	Direct	10.310	2021-67021-33998	NATIONAL INST OF FOOD & AGRICULTURE	154,838	20,839
US Dept of Agriculture	Direct	10.310	2021-67021-34149	NATIONAL INST OF FOOD & AGRICULTURE	101,503	-
US Dept of Agriculture	Direct	10.310	2021-67021-34150	NATIONAL INST OF FOOD & AGRICULTURE	176,569	82,379
US Dept of Agriculture	Direct	10.310	2021-67034-35168	NATIONAL INST OF FOOD & AGRICULTURE	42,450	-
US Dept of Agriculture	Direct	10.310	2021-67034-35168	NATIONAL INST OF FOOD & AGRICULTURE	151	-
US Dept of Agriculture	Direct	10.310	2021-68008-34119	NATIONAL INST OF FOOD & AGRICULTURE	99,421	-
US Dept of Agriculture	Direct	10.310	2021-68008-34196	NATIONAL INST OF FOOD & AGRICULTURE	71,352	3,366
US Dept of Agriculture	Direct	10.310	2021-68014-34140	NATIONAL INST OF FOOD & AGRICULTURE	115,166	39,103
US Dept of Agriculture	Direct	10.310	2022-67013-36118	NATIONAL INST OF FOOD & AGRICULTURE	27,197	-
US Dept of Agriculture	Direct	10.310	2022-67013-36487	NATIONAL INST OF FOOD & AGRICULTURE	163,646	-
US Dept of Agriculture	Direct	10.310	2022-67013-37079	NATIONAL INST OF FOOD & AGRICULTURE	4,859	-
US Dept of Agriculture	Direct	10.310	2022-67017-36982	NATIONAL INST OF FOOD & AGRICULTURE	12,020	-
US Dept of Agriculture	Direct	10.310	2022-67019-36104	NATIONAL INST OF FOOD & AGRICULTURE	33,303	-
US Dept of Agriculture	Direct	10.310	2022-67019-36107	NATIONAL INST OF FOOD & AGRICULTURE	33,065	12,714
US Dept of Agriculture	Direct	10.310	2022-67019-36487	NATIONAL INST OF FOOD & AGRICULTURE	24,798	-
US Dept of Agriculture	Direct	10.310	2018-67021-27967	NATIONAL INST OF FOOD & AGRICULTURE	827	-
US Dept of Agriculture	Direct	10.310	2022-68006-36433	NATIONAL INST OF FOOD & AGRICULTURE	8,205	-
US Dept of Agriculture	Direct	10.310	2022-68008-36508	NATIONAL INST OF FOOD & AGRICULTURE	717	-
US Dept of Agriculture	Direct	10.310	2109-67015-29323	NATIONAL INST OF FOOD & AGRICULTURE	119,389	-
US Dept of Agriculture	Direct	2019-2829	2022-67015-29323	NATIONAL INST OF FOOD & AGRICULTURE	25,571	17,910
US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD & AGRICULTURE	2,948	-
US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD & AGRICULTURE	(15)	-
US Dept of Agriculture	Direct	10.329	2018-70006-28917	NATIONAL INST OF FOOD & AGRICULTURE	955	-
US Dept of Agriculture	Direct	10.329	2022-70006-33015	NATIONAL INST OF FOOD & AGRICULTURE	84,419	-
US Dept of Agriculture	Direct	10.330	19-CR-11242303-738	NATIONAL INST OF FOOD & AGRICULTURE	12,074	-
US Dept of Agriculture	Direct	10.652	16-JV-11242306-101	USDA FOREST SERVICE	(525)	-
US Dept of Agriculture	Direct	10.674	18-DG-11420004-220	USDA FOREST SERVICE	26,102	-
US Dept of Agriculture	Direct	10.680	18-CA-11420004-072	USDA FOREST SERVICE	(32)	-
US Dept of Agriculture	Direct	10.680	17-CA-11420004-298	USDA FOREST SERVICE	(4)	-
US Dept of Agriculture	Direct	10.680	17-CA-11420004-315	USDA FOREST SERVICE	262,465	-
US Dept of Agriculture	Direct	10.680	18-CA-11420004-072	USDA FOREST SERVICE	27,018	-
US Dept of Agriculture	Direct	10.680	19-DG-11420000-296	USDA FOREST SERVICE	10,581	-
US Dept of Agriculture	Direct	10.680	20-CA-11094200-221	USDA FOREST SERVICE	32,250	-
US Dept of Agriculture	Direct	10.680	20-DG-11094200-043	USDA FOREST SERVICE	76,317	-
US Dept of Agriculture	Direct	10.680	21-1123262-123	USDA FOREST SERVICE	54,034	-
US Dept of Agriculture	Direct	10.699	16-JV-11242305-055	USDA FOREST SERVICE	(1,213)	-
US Dept of Agriculture	Direct	10.699	17-CS-11090400-057	USDA FOREST SERVICE	29,314	-
US Dept of Agriculture	Direct	10.699	17-CS-11090400-057	USDA FOREST SERVICE	27,387	-
US Dept of Agriculture	Direct	10.699	17-JV-11242306-042	USDA FOREST SERVICE	22,808	-
US Dept of Agriculture	Direct	10.699	18-PA-11091000-025	USDA FOREST SERVICE	32,753	-
US Dept of Agriculture	Direct	10.699	21-CS-11242306-055	USDA FOREST SERVICE	89,193	-
US Dept of Agriculture	Direct	10.699	21-PA-11083600-330	USDA FOREST SERVICE	7,733	-
US Dept of Agriculture	Direct	10.707	19-CR-11242303-037	USDA FOREST SERVICE	60,502	-
US Dept of Agriculture	Direct	10.707	19-CA-11242305-106	USDA FOREST SERVICE	8,598	-
US Dept of Agriculture	Direct	10.707	20-CR-11242303-064	USDA FOREST SERVICE	62,917	-
US Dept of Agriculture	Direct	10.707	20-JV-11242303-050	USDA FOREST SERVICE	19,024	-
US Dept of Agriculture	Direct	10.707	20-JV-11242305-078	USDA FOREST SERVICE	2,247	-
US Dept of Agriculture	Direct	10.707	20-JV-11242306-070	USDA FOREST SERVICE	64,470	-
US Dept of Agriculture	Direct	10.707	20-JV-11242307-699	USDA FOREST SERVICE	36,172	-
US Dept of Agriculture	Direct	10.707	21-JV-11242303-038	USDA FOREST SERVICE	69,406	-
US Dept of Agriculture	Direct	10.902	68-6D21-18-009	NATURAL RESOURCES CONSERVATION SERVICE	1,920	-
US Dept of Agriculture	Direct	10.902	NR193A750025C014	USDA-NATURAL RESOURCES CONSERVATION SERVICE	72,136	-
US Dept of Agriculture	Direct	10.912	NR185D21XXXXG001	USDA-NATURAL RESOURCES CONSERVATION SERVICE	107,927	-
US Dept of Agriculture	Direct	10.912	NR213A750013G001	USDA-NATURAL RESOURCES CONSERVATION SERVICE	47,520	-
US Dept of Agriculture	Direct	10.912	NR213A750013G015	USDA-NATURAL RESOURCES CONSERVATION SERVICE	268,858	-
US Dept of Agriculture	Direct	10.912	NR213A750013G030	USDA-NATURAL RESOURCES CONSERVATION SERVICE	49,895	-
US Dept of Agriculture	Direct	10.960	FX21TA-10960R001	FOREIGN AGRICULTURAL SERVICE	94,471	26,170
US Dept of Agriculture	Direct	10.960	FX22TA-10960R002	FOREIGN AGRICULTURAL SERVICE	715,345	329,650
<b>Direct Total</b>					<b>50,601</b>	<b>-</b>
					<b>28,070,815</b>	<b>5,689,217</b>
US Dept of Agriculture	Pass-through	10.RD	2020-06-12	AMER LAMB BOARD	\$ 31,948	\$ -
US Dept of Agriculture	Pass-through	10.RD	S-003979-MSU	APPLIED RESEARCH ASSOCIATES INC	19,460	-
US Dept of Agriculture	Pass-through	10.RD	20-19-03-MSU	CHRISTMAS TREE PROMOTION BOARD	17,687	-
US Dept of Agriculture	Pass-through	10.RD	454727	PROJECT APFS M	6,359	500
US Dept of Agriculture	Pass-through	10.001	58-8042-9-045	AGRICULTURAL RESEARCH SERVICE	37,662	-
US Dept of Agriculture	Pass-through	10.001	59-2022-1-002	AGRICULTURAL RESEARCH SERVICE	4,936	-
US Dept of Agriculture	Pass-through	10.001	59-6070-1-002	AGRICULTURAL RESEARCH SERVICE	18,963	-
US Dept of Agriculture	Pass-through	10.001	2021-0200-04	NORTH CAROLINA STATE UNIV	3,081	-
US Dept of Agriculture	Pass-through	10.001	25-5235-0254-002	UNIVERSITY OF NEBRASKA - LINCOLN	12,561	-
US Dept of Agriculture	Pass-through	10.025	22000001628	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	19,944	-
US Dept of Agriculture	Pass-through	10.025	GG 21000001483	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	65,891	-
US Dept of Agriculture	Pass-through	10.025	GG 21000001564	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	48,700	-
US Dept of Agriculture	Pass-through	10.025	GG 21000001941	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	37,917	-
US Dept of Agriculture	Pass-through	10.025	GG 21000001978	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	15,466	-
US Dept of Agriculture	Pass-through	10.025	2082	RUTGERS UNIVERSITY	111,439	-
US Dept of Agriculture	Pass-through	10.028	FISH212020-3	MICHIGAN DEPT OF NATURAL RESOURCES	1,609	-
US Dept of Agriculture	Pass-through	10.170	18-0001-063-SC	AGRICULTURAL RESEARCH SERVICE	(36)	-
US Dept of Agriculture	Pass-through	10.170	59-3050-2-001	AGRICULTURAL RESEARCH SERVICE	55	-
US Dept of Agriculture	Pass-through	10.170	2020-10-01	CELERY RESEARCH INC	36,994	-
US Dept of Agriculture	Pass-through	10.170	2020-10-01	CELERY RESEARCH INC	6,396	-
US Dept of Agriculture	Pass-through	10.170	2019CPS10	CENTER FOR PRODUCE SAFETY	54,984	28,511
US Dept of Agriculture	Pass-through	10.170	2022CPS01	CENTER FOR PRODUCE SAFETY	65,233	-
US Dept of Agriculture	Pass-through	10.170	IP 414739	FORGOTTEN HARVEST	3,479	-
US Dept of Agriculture	Pass-through	10.170	2020-10-01	GNISING BOARD OF WISCONSIN	71,616	-
US Dept of Agriculture	Pass-through	10.170	2019-10-01	MICHIGAN APPLE COMMITTEE	40,010	-
US Dept of Agriculture	Pass-through	10.170	2019-10-01	MICHIGAN ASPARAGUS ADVISORY BOARD	2,249	-
US Dept of Agriculture	Pass-through	10.170	IP 533327	MICHIGAN ASPARAGUS RESEARCH COMMITTEE	7,322	-
US Dept of Agriculture	Pass-through	10.170	20000000256	MICHIGAN BLUEBERRY COMMISSION	7,496	-
US Dept of Agriculture	Pass-through	10.170	2020-11-01	MICHIGAN BLUEBERRY COMMISSION	20,666	-
US Dept of Agriculture	Pass-through	10.170	IP 00533608	MICHIGAN BLUEBERRY COMMISSION	219	-
US Dept of Agriculture	Pass-through	10.170	IP00354026	MICHIGAN BLUEBERRY COMMISSION	4,203	-
US Dept of Agriculture	Pass-through	10.170	20000000257	MICHIGAN CARRROT COMMITTEE	31,986	-
US Dept of Agriculture	Pass-through	10.170	IP 532796	MICHIGAN CARRROT COMMITTEE	16,170	-
US Dept of Agriculture	Pass-through	10.170	IP 532796	MICHIGAN CARRROT COMMITTEE	6,758	-
US Dept of Agriculture	Pass-through	10.170	IP 533710	MICHIGAN CARRROT COUNCIL	4,026	-
US Dept of Agriculture	Pass-through	10.170	IP 533577	MICHIGAN CELERY GROWERS RESEARCH COUNCIL	259	-
US Dept of Agriculture	Pass-through	10.170	IP 470792	MICHIGAN CHRISTMAS TREE ASSOC	37,306	-
US Dept of Agriculture	Pass-through	10.170	2020-10-01	MICHIGAN GREENHOUSE GROWERS	33,683	-
US Dept of Agriculture	Pass-through	10.170	2020-10-01	MICHIGAN GREENHOUSE GROWERS	20,038	-
US Dept of Agriculture	Pass-through	10.170	20000000285	MICHIGAN ONION COMMITTEE	3,977	-
US Dept of Agriculture	Pass-through	10.170	IP# 00533696	MICHIGAN ONION COMMITTEE	16,275	-
US Dept of Agriculture	Pass-through	10.170	IP# 00533696	MICHIGAN ONION COMMITTEE	5,998	-
US Dept of Agriculture	Pass-through	10.170	210000000484	MICHIGAN POTATO INDUSTRY COMMISSION	52,286	-
US Dept of Agriculture	Pass-through	10.170	0041649	MICHIGAN POTATO INDUSTRY COMMISSION	5,551	-
US Dept of Agriculture	Pass-through	10.170	IP 532967	MICHIGAN POTATO INDUSTRY COMMISSION	12,960	-
US Dept of Agriculture	Pass-through	10.170	2020-10-01	MICHIGAN STATE HORTICULTURAL SOCIETY	84,911	-
US Dept of Agriculture	Pass-through	10.170	IP00531801	MICHIGAN STATE HORTICULTURAL SOCIETY	2,766	-



Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
US Dept of Commerce	Pass-through	11.RD	75D30121P10127	CENTERS FOR DISEASE CONTROL & PREVENTION	\$ 7,970	\$ -
US Dept of Commerce	Pass-through	11.RD	105964-18733	UNIVERSITY OF ILLINOIS	8,446	-
US Dept of Commerce	Pass-through	11.417	SUBK00016475	MICHIGAN SEA GRANT COLLEGE PROGRAM	63,341	-
US Dept of Commerce	Pass-through	11.417	3004924854	UNIVERSITY OF MICHIGAN	(3,089)	-
US Dept of Commerce	Pass-through	11.417	3004924855	UNIVERSITY OF MICHIGAN	594,027	-
US Dept of Commerce	Pass-through	11.417	SUBK00011461	UNIVERSITY OF MICHIGAN	4,104	-
US Dept of Commerce	Pass-through	11.417	SUBK00011883	UNIVERSITY OF MICHIGAN	132,423	-
US Dept of Commerce	Pass-through	11.417	SUBK00012246	UNIVERSITY OF MICHIGAN	41,933	-
US Dept of Commerce	Pass-through	11.417	SUBK00012436	UNIVERSITY OF MICHIGAN	72,542	-
US Dept of Commerce	Pass-through	11.417	SUBK00013215	UNIVERSITY OF MICHIGAN	32,871	-
US Dept of Commerce	Pass-through	11.417	SUBK00013473	UNIVERSITY OF MICHIGAN	53,170	-
US Dept of Commerce	Pass-through	11.417	SUBK00016476	UNIVERSITY OF MICHIGAN	7,301	-
US Dept of Commerce	Pass-through	11.417	D007941103	UNIVERSITY OF MINNESOTA	25,172	-
US Dept of Commerce	Pass-through	11.417	D007941104	UNIVERSITY OF MINNESOTA DULUTH	57,099	-
US Dept of Commerce	Pass-through	11.419	21-Resiliency Strategy-005	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	102,095	-
US Dept of Commerce	Pass-through	11.431	3003959776	UNIVERSITY OF MICHIGAN	101,122	22,374
US Dept of Commerce	Pass-through	11.431	SUBK00013010	UNIVERSITY OF MICHIGAN	9,381	-
US Dept of Commerce	Pass-through	11.431	SUBK00014894	UNIVERSITY OF MICHIGAN	9,213	-
US Dept of Commerce	Pass-through	11.432	SUBK00011375	UNIVERSITY OF MICHIGAN	240	-
<b>Pass-through Total</b>					<b>1,325,607</b>	<b>22,374</b>
<b>US Dept of Commerce Total</b>					<b>1,754,247</b>	<b>22,374</b>
US Dept of Defense	Direct	12.RD	FA9553-19-C-0066	AIR FORCE RESEARCH LABORATORY	92,398	-
US Dept of Defense	Direct	12.RD	HR00112000131	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	362,526	151,384
US Dept of Defense	Direct	12.RD	2017-1702020004	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	859,507	168,566
US Dept of Defense	Direct	12.RD	N4175619C3038	IRREGULAR WARFARE TECHNICAL SUPPORT	2,241	-
US Dept of Defense	Direct	12.RD	IPA000-21-0-0005	US ARMY CORPS OF ENGINEERS	25,693	-
US Dept of Defense	Direct	12.RD	N0017321P0726	US NAVAL RESEARCH LABORATORY	36,254	-
US Dept of Defense	Direct	12.300	W91298-12-2-0016	US ARMY CORPS OF ENGINEERS	200,204	-
US Dept of Defense	Direct	12.300	00014-17-1-2678	OFFICE OF NAVAL RESEARCH	6,006	-
US Dept of Defense	Direct	12.300	N00014-17-1-2102	OFFICE OF NAVAL RESEARCH	129,773	-
US Dept of Defense	Direct	12.300	N00014-18-1-2032	OFFICE OF NAVAL RESEARCH	35,254	-
US Dept of Defense	Direct	12.300	N00014-18-1-2273	OFFICE OF NAVAL RESEARCH	106,934	-
US Dept of Defense	Direct	12.300	N00014-18-1-2514	OFFICE OF NAVAL RESEARCH	82,266	-
US Dept of Defense	Direct	12.300	N00014-18-1-2597	OFFICE OF NAVAL RESEARCH	152,242	-
US Dept of Defense	Direct	12.300	N00014-19-1-2051	OFFICE OF NAVAL RESEARCH	48,765	-
US Dept of Defense	Direct	12.300	N00014-19-1-2535	OFFICE OF NAVAL RESEARCH	84,565	-
US Dept of Defense	Direct	12.300	N00014-20-1-2005	OFFICE OF NAVAL RESEARCH	275,812	103,185
US Dept of Defense	Direct	12.300	N00014-20-1-2111	OFFICE OF NAVAL RESEARCH	85,046	-
US Dept of Defense	Direct	12.300	N00014-20-1-2382	OFFICE OF NAVAL RESEARCH	145,588	-
US Dept of Defense	Direct	12.300	N00014-20-1-2389	OFFICE OF NAVAL RESEARCH	154,988	-
US Dept of Defense	Direct	12.300	N00014-20-1-2471	OFFICE OF NAVAL RESEARCH	96,450	-
US Dept of Defense	Direct	12.300	N00014-20-1-2562	OFFICE OF NAVAL RESEARCH	80,963	-
US Dept of Defense	Direct	12.300	N00014-20-1-2649	OFFICE OF NAVAL RESEARCH	310,216	-
US Dept of Defense	Direct	12.300	N00014-20-1-2681	OFFICE OF NAVAL RESEARCH	114,924	-
US Dept of Defense	Direct	12.300	N00014-20-1-2739	OFFICE OF NAVAL RESEARCH	321,002	-
US Dept of Defense	Direct	12.300	N00014-21-1-2273	OFFICE OF NAVAL RESEARCH	83,490	-
US Dept of Defense	Direct	12.300	N00014-21-1-2499	OFFICE OF NAVAL RESEARCH	75,348	-
US Dept of Defense	Direct	12.300	N00014-21-1-2636	OFFICE OF NAVAL RESEARCH	300,956	-
US Dept of Defense	Direct	12.300	N00014-21-1-2682	OFFICE OF NAVAL RESEARCH	171,127	-
US Dept of Defense	Direct	12.300	N00014-21-1-2686	OFFICE OF NAVAL RESEARCH	60,991	-
US Dept of Defense	Direct	12.300	N00014-22-1-2159	OFFICE OF NAVAL RESEARCH	55,141	-
US Dept of Defense	Direct	12.300	N0014-19-1-2476	OFFICE OF NAVAL RESEARCH	56,197	-
US Dept of Defense	Direct	12.300	W91298-12-2-0011	US ARMY CORPS OF ENGINEERS	65,539	-
US Dept of Defense	Direct	12.351	HDTRA12110021	DEFENSE THREAT REDUCTION AGENCY	66,125	22,428
US Dept of Defense	Direct	12.420	W81XWH1810169	US ARMY RESEARCH OFFICE	126,116	63,137
US Dept of Defense	Direct	12.420	W81XWH-17-1-0270	US DEPT OF DEFENSE	67,185	-
US Dept of Defense	Direct	12.420	W81XWH-17-1-0282	US DEPT OF DEFENSE	336,325	56,770
US Dept of Defense	Direct	12.420	W81XWH-17-1-0536	US DEPT OF DEFENSE	85,346	-
US Dept of Defense	Direct	12.420	W81XWH1910771	US DEPT OF DEFENSE	347,413	55,381
US Dept of Defense	Direct	12.420	W81XWH2010147	US DEPT OF DEFENSE	135,570	-
US Dept of Defense	Direct	12.420	W81XWH2110002	US DEPT OF DEFENSE	70,842	-
US Dept of Defense	Direct	12.420	W81XWH-16-1-0732	US DEPT OF THE ARMY	(544)	-
US Dept of Defense	Direct	12.420	W81XWH-16-1-0735	US DEPT OF THE ARMY	1,683	-
US Dept of Defense	Direct	12.420	W81XWH1910051	US DEPT OF THE ARMY	9,298	-
US Dept of Defense	Direct	12.420	W81XWH2010174	US DEPT OF THE ARMY	108,385	-
US Dept of Defense	Direct	12.420	W81XWH2110585	US DEPT OF THE ARMY	230,753	-
US Dept of Defense	Direct	12.420	W81XWH2210027	US DEPT OF THE ARMY	65,978	-
US Dept of Defense	Direct	12.431	W911NF2010205	US ARMY RESEARCH INST FOR THE BEHAVIORAL & SOCIAL SCIENCES	179,931	-
US Dept of Defense	Direct	12.431	W911NF2110319	US ARMY RESEARCH INST FOR THE BEHAVIORAL & SOCIAL SCIENCES	122,398	-
US Dept of Defense	Direct	12.431	W911NF-17-1-0153	US ARMY RESEARCH OFFICE	3,311	-
US Dept of Defense	Direct	12.431	W911NF-18-1-0330	US ARMY RESEARCH OFFICE	36,184	-
US Dept of Defense	Direct	12.431	W911NF1910174	US ARMY RESEARCH OFFICE	102,579	-
US Dept of Defense	Direct	12.431	W911NF1910444	US ARMY RESEARCH OFFICE	44,215	-
US Dept of Defense	Direct	12.431	W911NF2010005	US ARMY RESEARCH OFFICE	(3)	-
US Dept of Defense	Direct	12.431	W911NF2110153	US ARMY RESEARCH OFFICE	139,659	-
US Dept of Defense	Direct	12.630	W912H21920021	US ARMY CORPS OF ENGINEERS	122,016	-
US Dept of Defense	Direct	12.630	W911NF2120096	US ARMY RESEARCH INST FOR THE BEHAVIORAL & SOCIAL SCIENCES	60,552	-
US Dept of Defense	Direct	12.800	FA8550-17-1-0394	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	426,178	-
US Dept of Defense	Direct	12.800	FA8550-18-1-0061	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	(535)	-
US Dept of Defense	Direct	12.800	FA8550-19-1-0281	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	181,468	-
US Dept of Defense	Direct	12.800	FA8550-20-1-0073	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	111,604	-
US Dept of Defense	Direct	12.800	FA8550-20-1-0175	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	290,862	-
US Dept of Defense	Direct	12.800	FA8550-21-1-0367	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	821,252	676,108
US Dept of Defense	Direct	12.800	FA8550-21-1-0428	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	97,278	-
US Dept of Defense	Direct	12.800	FA8550-22-1-0007	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	93,479	-
US Dept of Defense	Direct	12.800	FA8650-18-2-6880	AIR FORCE RESEARCH LABORATORY	(2,373)	-
US Dept of Defense	Direct	12.800	FA8650-20-2-6239	AIR FORCE RESEARCH LABORATORY	49,878	-
US Dept of Defense	Direct	12.901	H98230-21-1-0025	NATIONAL SECURITY AGENCY	18,961	-
US Dept of Defense	Direct	12.901	H98230-21-1-0025	NATIONAL SECURITY AGENCY	9,099	-
US Dept of Defense	Direct	12.910	HR00112010015	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	277,225	133,373
US Dept of Defense	Direct	12.910	N66001-17-1-4045	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	1,446	-
US Dept of Defense	Direct	12.910	W31PAQ-20-1-0001	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	(444)	-
US Dept of Defense	Direct	12.910	W911NF2010018	US ARMY RESEARCH OFFICE	161,901	41,482
<b>Direct Total</b>					<b>9,610,856</b>	<b>1,481,964</b>
US Dept of Defense	Pass-through	12.RD	AT-LTA-20216-1	ANTRUST	66,168	-
US Dept of Defense	Pass-through	12.RD	S-200351-004190-MSU	APPLIED RESEARCH ASSOCIATES INC	104,017	-
US Dept of Defense	Pass-through	12.RD	71578	BATTELLE MEMORIAL INST	258,212	-
US Dept of Defense	Pass-through	12.RD	S904541BAH	BOOZ ALLEN HAMILTON INC	512,848	-
US Dept of Defense	Pass-through	12.RD	GR16098	DESERT RESEARCH INST	13,946	-
US Dept of Defense	Pass-through	12.RD	313-0875	DUKE UNIV	33,502	-
US Dept of Defense	Pass-through	12.RD	0011-44786	EATON CORP	66,874	-
US Dept of Defense	Pass-through	12.RD	011-44900	EATON CORP	(9,513)	-
US Dept of Defense	Pass-through	12.RD	POW 0011-44565	EATON CORP	287,612	-
US Dept of Defense	Pass-through	12.RD	00499916	GREAT LAKES CRYSTAL TECHNOLOGIES INC	55,032	-
US Dept of Defense	Pass-through	12.RD	FA864920P0380	GREAT LAKES CRYSTAL TECHNOLOGIES INC	920	-
US Dept of Defense	Pass-through	12.RD	FA8650-20-2-6239	GREAT LAKES CRYSTAL TECHNOLOGIES INC	2,001	-
US Dept of Defense	Pass-through	12.RD	LX090004	KBR	(37)	-
US Dept of Defense	Pass-through	12.RD	LX13000011	KBR	149,499	-
US Dept of Defense	Pass-through	12.RD	W911QX-18-C-0005	KYMA TECHNOLOGIES INC	(2,105)	(3,262)
US Dept of Defense	Pass-through	12.RD	7000533797	MASSACHUSETTS INST OF TECH LINCOLN LABS	28,816	-
US Dept of Defense	Pass-through	12.RD	7000534877	MASSACHUSETTS INST OF TECH LINCOLN LABS	46,235	-
US Dept of Defense	Pass-through	12.RD	201845-14-10014	NATIONAL CENTER FOR MANUFACTURING SCIENCE	35,271	-
US Dept of Defense	Pass-through	12.RD	201851-140919	NATIONAL CENTER FOR MANUFACTURING SCIENCE	58,173	-
US Dept of Defense	Pass-through	12.RD	202062-141037	NATIONAL CENTER FOR MANUFACTURING SCIENCE	245,987	-
US Dept of Defense	Pass-through	12.RD	19-032	POLARIS SENSOR TECHNOLOGIES INC	58,312	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
US Dept of Defense	Pass-through	12 RD	2021-7066	RADIABEAM TECHNOLOGIES INC	\$ 40,000	\$ -
US Dept of Defense	Pass-through	12 RD	4201874310	RAYTHEON CO	15,691	-
US Dept of Defense	Pass-through	12 RD	DRC.11389.RR002192.21	RIVERSIDE RESEARCH	88,845	-
US Dept of Defense	Pass-through	12 RD	DRC.1339.PO.00154.19	RIVERSIDE RESEARCH	16,480	-
US Dept of Defense	Pass-through	12 RD	DRC.1339.PO.00154.19	RIVERSIDE RESEARCH	204,337	-
US Dept of Defense	Pass-through	12 RD	W31P4Q-17-C-0037-MSU	TECH X CORP	99,012	-
US Dept of Defense	Pass-through	12 RD	FA8649-20-C-0015	THERMAL WAVE IMAGING	139,404	-
US Dept of Defense	Pass-through	12 RD	UA 22-0004	UNIVERSITY OF ALASKA	147,836	96,668
US Dept of Defense	Pass-through	12 RD	UAF 20-0053	UNIVERSITY OF ALASKA	117,430	16,277
US Dept of Defense	Pass-through	12 RD	000001414	UNIVERSITY OF WISCONSIN MADISON	102,203	-
US Dept of Defense	Pass-through	12 RD	WBSRA-22-005-MSU	WRIGHT BROTHERS INST	79,414	-
US Dept of Defense	Pass-through	12 116	7000295420	MASSACHUSETTS INST OF TECHNOLOGY	19	-
US Dept of Defense	Pass-through	12 300	TUL-HSC-557991-19/20	THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND	25,453	-
US Dept of Defense	Pass-through	12 300	32953-PM-RB-110891	UNIVERSITY OF MASSACHUSETTS DARTMOUTH	35,547	-
US Dept of Defense	Pass-through	12 300	AWC000397 (4117688-3)	UNIVERSITY OF PITTSBURGH	204,337	-
US Dept of Defense	Pass-through	12 351	HDTRA12110026	DEFENSE THREAT REDUCTION AGENCY	211,947	-
US Dept of Defense	Pass-through	12 420	GENFD0001882756	BOSTON CHILDRENS HOSPITAL	1,059	-
US Dept of Defense	Pass-through	12 420	GENFD0002150381	BOSTON CHILDRENS HOSPITAL	23,910	-
US Dept of Defense	Pass-through	12 420	W81XWH-18-C-0157	BRANSCOPE CO INC	22,594	-
US Dept of Defense	Pass-through	12 420	121910	BRIGHTON & WOMENS HOSPITAL	54,472	-
US Dept of Defense	Pass-through	12 420	0000990553	FRED HUTCHINSON CANCER RESEARCH CENTER	(1,091)	-
US Dept of Defense	Pass-through	12 420	4175	HENRY M JACKSON FOUNDATION FOR ADVANCEMENT OF MILITARY MED	4,968	-
US Dept of Defense	Pass-through	12 420	MSUW81XWH-18-1-0150	PENNSYLVANIA STATE UNIV	12,586	-
US Dept of Defense	Pass-through	12 420	SUB00002317	UNIVERSITY OF GEORGIA RESEARCH FOUNDATION INC	117,430	-
US Dept of Defense	Pass-through	12 431	000008421	BROWN UNIV	148,931	-
US Dept of Defense	Pass-through	12 431	00001392	BROWN UNIV	2,252	-
US Dept of Defense	Pass-through	12 431	S001919-ARO	PENNSYLVANIA STATE UNIV	63,174	-
US Dept of Defense	Pass-through	12 431	SUB00000257	PRINCETON UNIV	64,059	-
US Dept of Defense	Pass-through	12 431	93596-28219202	UNIVERSITY OF MARYLAND	95,911	-
US Dept of Defense	Pass-through	12 431	10040292-51	UNIVERSITY OF MARY	80,366	-
US Dept of Defense	Pass-through	12 630	W011NF-18-2-0049	UNIVERSITY OF COLORADO	16,372	-
US Dept of Defense	Pass-through	12 800	Z71704-87D5	UNIVERSITY OF NEW MEXICO	176,382	-
US Dept of Defense	Pass-through	12 800	1000002744	UNIVERSITY OF TEXAS AT SAN ANTONIO	6,020	-
US Dept of Defense	Pass-through	12 910	13000998-029	PURDUE UNIV	49,867	-
US Dept of Defense	Pass-through	12 910	W911NF-21-C-0007-02	TWO SIX LABS	39,663	-
	<b>Pass-through Total</b>				<b>4,166,866</b>	<b>109,683</b>
	<b>US Dept of Defense</b>				<b>13,777,721</b>	<b>1,601,647</b>
US Dept of Housing and Urban Development	Direct	14 506	RP-20-M-003	US DEPT OF HOUSING & URBAN DEVELOPMENT	43,525	-
US Dept of Housing and Urban Development	Direct	14 902	MIL150225-21	US DEPT OF HOUSING & URBAN DEVELOPMENT	3,333	-
	<b>US Dept of Housing and Urban Development Total</b>				<b>46,858</b>	<b>-</b>
US Dept of Interior	Direct	15 RD	140G0119C0009	US GEOLOGICAL SURVEY	112,494	-
US Dept of Interior	Direct	15 608	F17AP00582	US FISH & WILDLIFE SERVICE	42,097	-
US Dept of Interior	Direct	15 608	F19AC00628	US FISH & WILDLIFE SERVICE	57,266	24,355
US Dept of Interior	Direct	15 608	F19AP00663	US FISH & WILDLIFE SERVICE	36,065	-
US Dept of Interior	Direct	15 608	F20AC11748-00	US FISH & WILDLIFE SERVICE	38,545	-
US Dept of Interior	Direct	15 608	F20AC12021-00	US FISH & WILDLIFE SERVICE	52,595	-
US Dept of Interior	Direct	15 608	F20AP10847-00	US FISH & WILDLIFE SERVICE	127,548	-
US Dept of Interior	Direct	15 608	F22AC00500-00	US FISH & WILDLIFE SERVICE	41,414	-
US Dept of Interior	Direct	15 640	F20AP00147	US FISH & WILDLIFE SERVICE	40,703	18,292
US Dept of Interior	Direct	15 640	F20AP00147	US FISH & WILDLIFE SERVICE	2,176	-
US Dept of Interior	Direct	15 640	F20AP00147	US FISH & WILDLIFE SERVICE	2,139	-
US Dept of Interior	Direct	15 652	F20AC11089-00	US FISH & WILDLIFE SERVICE	210,944	-
US Dept of Interior	Direct	15 655	F21AC02819-00	US FISH & WILDLIFE SERVICE	34,306	-
US Dept of Interior	Direct	15 657	F18AP00536	US FISH & WILDLIFE SERVICE	32,646	-
US Dept of Interior	Direct	15 657	F19AC00646	US FISH & WILDLIFE SERVICE	63,374	-
US Dept of Interior	Direct	15 657	F22AP01247	US FISH & WILDLIFE SERVICE	40,814	-
US Dept of Interior	Direct	15 662	F18AC00586	US DEPT OF THE INTERIOR	3,285	-
US Dept of Interior	Direct	15 662	F19AC00653	US DEPT OF THE INTERIOR	130,365	65,562
US Dept of Interior	Direct	15 662	F20AC10172	US FISH & WILDLIFE SERVICE	17,103	-
US Dept of Interior	Direct	15 662	F21AC01211-00	US FISH & WILDLIFE SERVICE	109,527	-
US Dept of Interior	Direct	15 662	F21AC01556-00	US FISH & WILDLIFE SERVICE	21,170	-
US Dept of Interior	Direct	15 662	F21AC02286-00	US FISH & WILDLIFE SERVICE	5,875	-
US Dept of Interior	Direct	15 662	F21AP02401	US FISH & WILDLIFE SERVICE	134,539	-
US Dept of Interior	Direct	15 662	F22AC00867-00	US FISH & WILDLIFE SERVICE	5,609	-
US Dept of Interior	Direct	15 678	F20AC00228	US DEPT OF THE INTERIOR	21,023	-
US Dept of Interior	Direct	15 678	F17AC00575	US FISH & WILDLIFE SERVICE	24,915	-
US Dept of Interior	Direct	15 805	G16AP00063	US GEOLOGICAL SURVEY	92,061	-
US Dept of Interior	Direct	15 805	G21AP10617	US GEOLOGICAL SURVEY	40,542	-
US Dept of Interior	Direct	15 808	G17AC00152	US GEOLOGICAL SURVEY	83	-
US Dept of Interior	Direct	15 808	G19AC00109	US GEOLOGICAL SURVEY	131,945	-
US Dept of Interior	Direct	15 808	G20AC00275	US GEOLOGICAL SURVEY	117,026	-
US Dept of Interior	Direct	15 808	G21AC00013	US GEOLOGICAL SURVEY	171,625	-
US Dept of Interior	Direct	15 808	G21AC10255	US GEOLOGICAL SURVEY	93,184	-
US Dept of Interior	Direct	15 945	P20AC00302	NATIONAL PARK SERVICE	136	-
US Dept of Interior	Direct	15 945	P17AC01465	NATIONAL PARK SERVICE	968	-
US Dept of Interior	Direct	15 945	P21AC10197	NATIONAL PARK SERVICE	41,347	-
US Dept of Interior	Direct	15 945	P21AC10307	NATIONAL PARK SERVICE	22,478	-
US Dept of Interior	Direct	15 945	P22AC00391	NATIONAL PARK SERVICE	5,656	-
	<b>Direct Total</b>				<b>2,126,676</b>	<b>108,209</b>
US Dept of Interior	Pass-through	15 RD	SMS0004461, Task Order 25	KBR	60,766	-
US Dept of Interior	Pass-through	15 RD	20000002032	MICHIGAN DEPT OF NATURAL RESOURCES	234,563	-
US Dept of Interior	Pass-through	15 RD	DSC21030	STATE OF CALIFORNIA	3,135	-
US Dept of Interior	Pass-through	15 232	R0064793	OHIO STATE UNIV	1,813	-
US Dept of Interior	Pass-through	15 608	FISH2 2021-15, GG 751 210000001674	MICHIGAN DEPT OF NATURAL RESOURCES	52,930	-
US Dept of Interior	Pass-through	15 608	FISH212020-2	MICHIGAN DEPT OF NATURAL RESOURCES	455	-
US Dept of Interior	Pass-through	15 657	1	MICHIGAN NATURE ASSOC	84,877	-
US Dept of Interior	Pass-through	15 662	67566-2MSU	ARENAC CONSERVATION DISTRICT	10,402	-
US Dept of Interior	Pass-through	15 662	FY21AP01326 AIS	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	7,349	-
US Dept of Interior	Pass-through	15 662	FISH2 2021-20 GG 751210000003503	MICHIGAN DEPT OF NATURAL RESOURCES	140,460	-
US Dept of Interior	Pass-through	15 662	061121-1	THE NATURE CONSERVANCY	5,706	-
US Dept of Interior	Pass-through	15 662	F20AC10391	US FISH & WILDLIFE SERVICE	48,472	33,346
US Dept of Interior	Pass-through	15 662	F20AC10787-00	US FISH & WILDLIFE SERVICE	28,923	-
US Dept of Interior	Pass-through	15 670	IP 539337	ASSOC OF FISH & WILDLIFE AGENCIES	42,717	-
US Dept of Interior	Pass-through	15 670	Project Code FO-EWG-2147	NATIONAL COUNCIL FOR AIR & STREAM IMPROVEMENT	84,780	-
US Dept of Interior	Pass-through	15 810	0000001817	UNIVERSITY OF WISCONSIN	6,733	-
US Dept of Interior	Pass-through	15 820	22-016386-A-00	UNIVERSITY OF MASSACHUSETTS AMHERST	75,504	-
US Dept of Interior	Pass-through	15 820	R009481402	UNIVERSITY OF MINNESOTA	6,331	-
US Dept of Interior	Pass-through	15 946	IP 573912	ASSOC FOR THE STUDY OF AFRICAN AMERICAN LIFE & HISTORY	32,704	-
	<b>Pass-through Total</b>				<b>928,620</b>	<b>33,346</b>
	<b>US Dept of Interior Total</b>				<b>3,055,298</b>	<b>141,555</b>
US Dept of Justice	Direct	16 026	2018-SJ-AX-0001	US DEPT OF JUSTICE	96,658	-
US Dept of Justice	Direct	16 550	15PBUS-21-GK-00021-BJSB	OFFICE OF JUSTICE PROGRAMS	71,100	-
US Dept of Justice	Direct	16 550	2020-86-CX-K025	OFFICE OF JUSTICE PROGRAMS	62,019	-
US Dept of Justice	Direct	16 550	2018-86-CX-K033	US DEPT OF JUSTICE	25,187	12,696
US Dept of Justice	Direct	16 560	2018-75-CX-4030	NATIONAL INST OF JUSTICE	78,044	60,676
US Dept of Justice	Direct	16 560	2020-75-CX-0012	NATIONAL INST OF JUSTICE	194,517	15,448
US Dept of Justice	Direct	16 560	2020-2A-CX-0001	NATIONAL INST OF JUSTICE	246,097	33,738
US Dept of Justice	Direct	16 560	2020-DQ-BX-0001	OFFICE OF JUSTICE PROGRAMS	103,455	-
US Dept of Justice	Direct	16 560	2015-CX-BK-0017	US DEPT OF JUSTICE	278,084	287,552
US Dept of Justice	Direct	16 560	2018-DU-BX-0225	US DEPT OF JUSTICE	79,173	48,174
US Dept of Justice	Direct	16 560	2019-2D-CX-0003	US DEPT OF JUSTICE	32,570	-
US Dept of Justice	Direct	16 560	2019-MU-CX-0094	US DEPT OF JUSTICE	125,858	2,200
US Dept of Justice	Direct	16 738	2016-MU-BX-K001	US DEPT OF JUSTICE	511,131	326,590
	<b>Direct Total</b>				<b>1,905,893</b>	<b>787,074</b>

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
US Dept of Justice	Pass-through	16.RD	09-097CCCC-MSU-2	WEST VIRGINIA UNIV	\$ 115,246	\$ -
US Dept of Justice	Pass-through	16.320	720511-1220-00	NATIONWIDE CHILDRENS HOSPITAL	11,943	-
US Dept of Justice	Pass-through	16.560	CM00005839-00	RESEARCH FOUNDATION OF CUNY	70,949	-
US Dept of Justice	Pass-through	16.560	21-1020-6120-MSU	SAN JOSE STATE UNIVERSITY	44,364	-
US Dept of Justice	Pass-through	16.560	19008-3125-1	TEXAS STATE UNIVERSITY	32,426	-
US Dept of Justice	Pass-through	16.560	SUBK0008848, PO 3006392836	UNIVERSITY OF MICHIGAN	3,789	-
US Dept of Justice	Pass-through	16.560	203575MSU	UNIVERSITY OF NOTRE DAME	9,547	-
US Dept of Justice	Pass-through	16.560	GR101771	YALE UNIV	2,709	-
US Dept of Justice	Pass-through	16.575	E20211681-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	190,732	-
US Dept of Justice	Pass-through	16.575	E20211682-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	37,855	-
US Dept of Justice	Pass-through	16.575	E20222205-00 G	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	303,583	-
US Dept of Justice	Pass-through	16.582	E20224444-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	30,504	-
US Dept of Justice	Pass-through	16.582	E20224445-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	84,979	-
US Dept of Justice	Pass-through	16.609	2018-GP-BX-0036	BLACK FAMILY DEVELOPMENT INC	9,453	-
US Dept of Justice	Pass-through	16.609	2020-GP-BX-0014	CITY OF JACKSON	15,020	-
US Dept of Justice	Pass-through	16.609	2019-GP-BX-0060	SAGINAW COMMUNITY FOUNDATION	41,674	-
US Dept of Justice	Pass-through	16.738	6002932	CITY OF DETROIT	18,007	-
US Dept of Justice	Pass-through	16.738	BJA-2019-15126	CITY OF SAGINAW	63,296	-
US Dept of Justice	Pass-through	16.751	2017-DG-BX-K012	WAYNE COUNTY PROSECUTOR'S OFFICE	57,945	-
US Dept of Justice	Pass-through	16.812	17479-001	DETROIT RESCUE MISSION MINISTRIES	64,327	-
US Dept of Justice	Pass-through	16.817	CBCR-2017-AJ-BX-0007	HAMILTON COMMUNITY HEALTH NETWORK	4,134	-
US Dept of Justice	Pass-through	16.825	IPS-O MSU 2018	WAYNE COUNTY PROSECUTOR'S OFFICE	6,527	-
US Dept of Justice	Pass-through	16.833	SAKI-18-001	MICHIGAN STATE POLICE	81,105	-
US Dept of Justice	Pass-through	16.833	3-312-0217208-65864L	RTI INTL	38,367	-
US Dept of Justice	Pass-through	16.838	6002933	CITY OF DETROIT	7,656	-
	<b>Pass-through Total</b>				<b>1,336,737</b>	<b>-</b>
	<b>US Dept of Justice</b>				<b>3,242,630</b>	<b>787,074</b>
US Dept of State	Direct	19.RD	19AQMM19P0582	US DEPT OF STATE	106,488	26,086
US Dept of State	Direct	19.RD	19AQMM20P1473	US DEPT OF STATE	103,238	57,830
	<b>Direct Total</b>				<b>209,726</b>	<b>85,916</b>
US Dept of State	Pass-through	19.040	IP 00577249	AMER COUNCILS FOR INTL EDUCATION	986	-
US Dept of State	Pass-through	19.040	45-2402-1031-313	UNIVERSITY OF NEBRASKA OMAHA	43,728	-
US Dept of State	Pass-through	19.000	85C10018-C-0149	AMER COUNCILS FOR INTL EDUCATION	9,650	-
US Dept of State	Pass-through	19.900	SRS5002GR0057	AMER COUNCILS FOR INTL EDUCATION	1,556	-
	<b>Pass-through Total</b>				<b>55,920</b>	<b>-</b>
	<b>US Dept of State</b>				<b>265,646</b>	<b>85,916</b>
US Dept of Transportation	Direct	20.701	DTRT13-G-UTC44	US DEPT OF TRANSPORTATION	(15,930)	(15,930)
US Dept of Transportation	Direct	20.724	693JK32050002CAAP	US DEPT OF TRANSPORTATION	90,315	4,714
US Dept of Transportation	Direct	20.724	693JK32050003CAAP	US DEPT OF TRANSPORTATION	139,500	33,142
	<b>Direct Total</b>				<b>213,885</b>	<b>21,926</b>
US Dept of Transportation	Pass-through	20.RD	21-67	ENGINEERING AND SOFTWARE CONSULTANTS LLC (ESC)	37,444	-
US Dept of Transportation	Pass-through	20.RD	2018-0045	MICHIGAN DEPT OF TRANSPORTATION	64,942	-
US Dept of Transportation	Pass-through	20.RD	30900766.00	WSP MICHIGAN INC	18,804	-
US Dept of Transportation	Pass-through	20.109	010937A	IOWA STATE UNIV	5,734	-
US Dept of Transportation	Pass-through	20.200	1035211	MINNESOTA DEPT OF TRANSPORTATION	1,369	-
US Dept of Transportation	Pass-through	20.200	C0060808-2	UNIVERSITY OF MISSOURI	101,339	-
US Dept of Transportation	Pass-through	20.200	5117688	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	60,154	-
US Dept of Transportation	Pass-through	20.215	436-17-35B	IOWA STATE UNIV	82,379	-
US Dept of Transportation	Pass-through	20.215	436-17-35B	IOWA STATE UNIV	52,486	-
US Dept of Transportation	Pass-through	20.505	2013-0066-210	MICHIGAN DEPT OF TRANSPORTATION	6,224	-
US Dept of Transportation	Pass-through	20.505	2019-0275	MICHIGAN DEPT OF TRANSPORTATION	63,545	-
US Dept of Transportation	Pass-through	20.505	2019-0289	MICHIGAN DEPT OF TRANSPORTATION	60,657	-
US Dept of Transportation	Pass-through	20.505	2019-0369	MICHIGAN DEPT OF TRANSPORTATION	25,337	-
US Dept of Transportation	Pass-through	20.505	2019-0996	MICHIGAN DEPT OF TRANSPORTATION	69,101	-
US Dept of Transportation	Pass-through	20.505	2019-0997	MICHIGAN DEPT OF TRANSPORTATION	107,878	12,582
US Dept of Transportation	Pass-through	20.505	2019-0007	MICHIGAN DEPT OF TRANSPORTATION	67,668	-
US Dept of Transportation	Pass-through	20.505	2020-0159	MICHIGAN DEPT OF TRANSPORTATION	71,490	-
US Dept of Transportation	Pass-through	20.505	2020-0235	MICHIGAN DEPT OF TRANSPORTATION	150,554	56,009
US Dept of Transportation	Pass-through	20.505	2020-0783	MICHIGAN DEPT OF TRANSPORTATION	92,840	-
US Dept of Transportation	Pass-through	20.505	2021-0207	MICHIGAN DEPT OF TRANSPORTATION	75,105	-
US Dept of Transportation	Pass-through	20.505	2019-0286	MICHIGAN DEPT OF TRANSPORTATION	198,938	38,398
US Dept of Transportation	Pass-through	20.505	2021-0403	MICHIGAN DEPT OF TRANSPORTATION	113,138	31,784
US Dept of Transportation	Pass-through	20.505	2021-0412	MICHIGAN DEPT OF TRANSPORTATION	25,199	9,644
US Dept of Transportation	Pass-through	20.614	DTNH2215H00473	NATIONAL SAFETY COUNCIL	50,208	27,647
US Dept of Transportation	Pass-through	20.724	ASUB0000975	ARIZONA STATE UNIV	72,789	-
US Dept of Transportation	Pass-through	20.724	401493-5801	COLORADO SCHOOL OF MNES	220	-
	<b>Pass-through Total</b>				<b>1,695,542</b>	<b>176,052</b>
	<b>US Dept of Transportation</b>				<b>1,909,427</b>	<b>197,978</b>
US Dept of Treasury	Pass-through	21.019	COVID-19 - 1	BROGAN & PARTNERS CONVERGENCE MARKETING	70,694	-
US Dept of Treasury	Pass-through	21.019	COVID-19 - 2020-7501	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	(37,651)	-
	<b>Pass-through Total</b>				<b>33,043</b>	<b>-</b>
	<b>US Dept of Treasury Total</b>				<b>70,319</b>	<b>-</b>
National Aeronautics and Space Administration	Direct	43.001	G01-22085X	CHANDRA SCIENCE CENTER	8,941	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC170259	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	306,898	43,441
National Aeronautics and Space Administration	Direct	43.001	80NSSC18K1084	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	84,662	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC18K1134	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	147,147	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC19K0302	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	199,080	76,835
National Aeronautics and Space Administration	Direct	43.001	80NSSC19M0132	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	94,020	27,079
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0019	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	87,230	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0263	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	93,234	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0366	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	67,042	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0410	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	189,412	53,368
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0411	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	420,989	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0503	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	71,525	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K0740	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	175,594	70,222
National Aeronautics and Space Administration	Direct	43.001	80NSSC20K1535	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	50,938	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0173	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	22,167	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0277	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	48,971	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0312	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	198,421	41,313
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0315	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	132,364	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0403	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	227,102	32,301
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0588	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	10,010	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0628	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	92,551	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0907	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	83,139	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K1181	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	53,004	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K1340	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	25,755	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K1398	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	3,193	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K1424	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	7,505	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0023	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	180,080	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21M0128	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	201,217	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21M0131	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	47,360	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC22K0300	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	61,016	-
National Aeronautics and Space Administration	Direct	43.002	80NSSC21K1122	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	40,005	-
National Aeronautics and Space Administration	Direct	43.003	80NSSC19K0707	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	16,553	-
National Aeronautics and Space Administration	Direct	43.007	NNX16AC24A	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	2,435	-
National Aeronautics and Space Administration	Direct	43.012	80NSSC20K1203	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	52,609	-
	<b>Direct Total</b>				<b>3,415,199</b>	<b>344,559</b>
National Aeronautics and Space Administration	Pass-through	43.RD	HST-AR-16160.001-A	SPACE TELESCOPE SCIENCE INST	8,941	-
National Aeronautics and Space Administration	Pass-through	43.RD	HST-AR-16613.002-A	SPACE TELESCOPE SCIENCE INST	52,609	-
National Aeronautics and Space Administration	Pass-through	43.RD	HST-GO-15645.003-A	SPACE TELESCOPE SCIENCE INST	12,492	-
National Aeronautics and Space Administration	Pass-through	43.RD	HST-GO-15933.005-A	SPACE TELESCOPE SCIENCE INST	4,319	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
National Aeronautics and Space Administration	Pass-through	43.RD	POS2316-514242 52316	SPACE TELESCOPE SCIENCE INST	\$ 84,505	\$ -
National Aeronautics and Space Administration	Pass-through	43.001	S431505	CALIFORNIA INST OF TECHNOLOGY	(2,954)	-
National Aeronautics and Space Administration	Pass-through	43.001	G-96654-01	COLORADO STATE UNIV	61,167	-
National Aeronautics and Space Administration	Pass-through	43.001	160908221	MICHIGAN TECHNICAL RESEARCH INST	(270)	-
National Aeronautics and Space Administration	Pass-through	43.001	60074901	OHIO STATE UNIV	(2,003)	-
National Aeronautics and Space Administration	Pass-through	43.001	1695-MSU	PLANETARY SCIENCE INSTITUTE	14,024	-
National Aeronautics and Space Administration	Pass-through	43.001	ARO-21008B	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	5,277	-
National Aeronautics and Space Administration	Pass-through	43.001	AR1-22011X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	3,813	-
National Aeronautics and Space Administration	Pass-through	43.001	GOO-21074X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	8,567	-
National Aeronautics and Space Administration	Pass-through	43.001	GOO-21096X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	29,240	-
National Aeronautics and Space Administration	Pass-through	43.001	GOO-21114B	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	11,109	-
National Aeronautics and Space Administration	Pass-through	43.001	GOO-21116X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	38,398	-
National Aeronautics and Space Administration	Pass-through	43.001	SV9-89010	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	10,830	-
National Aeronautics and Space Administration	Pass-through	43.001	3T2090	SOUTH DAKOTA STATE UNIV	33,878	-
National Aeronautics and Space Administration	Pass-through	43.001	51072	SPACE TELESCOPE SCIENCE INST	89,574	-
National Aeronautics and Space Administration	Pass-through	43.001	UAF 19-0053	UNIVERSITY OF ALASKA	(14,377)	-
National Aeronautics and Space Administration	Pass-through	43.001	SUB00002617	UNIVERSITY OF GEORGIA	8,385	-
National Aeronautics and Space Administration	Pass-through	43.001	UMS1288	UNIVERSITY OF MAINE	1,553	-
National Aeronautics and Space Administration	Pass-through	43.001	73133-26052002	UNIVERSITY OF MARYLAND	31,401	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00009426	MICHIGAN SPACE GRANT CONSORTIUM	1,601	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00017457	MICHIGAN SPACE GRANT CONSORTIUM	4,323	-
National Aeronautics and Space Administration	Pass-through	43.008	22007-83824-1	TEXAS STATE UNIVERSITY	2,750	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00015392	UNIVERSITY OF MICHIGAN	2,100	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00015392	UNIVERSITY OF MICHIGAN	2,000	-
National Aeronautics and Space Administration	Pass-through	43.008	SUBK00015392, PO 3006464529	UNIVERSITY OF MICHIGAN	310	-
<b>Pass-through Total</b>					<b>503,562</b>	<b>-</b>
<b>National Aeronautics and Space Administration Total</b>					<b>3,918,761</b>	<b>344,559</b>
National Endowment for the Arts and Humanities	Direct	45.312	LG-250059-OLS-21	INST OF MUSEUM & LIBRARY SERVICES	34,816	-
<b>Direct Total</b>					<b>34,816</b>	<b>-</b>
National Endowment for the Arts and Humanities	Pass-through	45.129	HU023-20	MICHIGAN HUMANITIES COUNCIL	6,737	-
National Endowment for the Arts and Humanities	Pass-through	45.312	LG-246431-OLS-20	ARTCENTER COLLEGE OF DESIGN	4,046	-
<b>Pass-through Total</b>					<b>10,783</b>	<b>-</b>
<b>National Endowment for the Arts and Humanities Total</b>					<b>45,599</b>	<b>-</b>
National Science Foundation	Direct	47.000	2150096	NATIONAL SCIENCE FOUNDATION	17,707	-
National Science Foundation	Direct	47.000	ECCS- 2212727	NATIONAL SCIENCE FOUNDATION	101,440	-
National Science Foundation	Direct	47.041	1565232	NATIONAL SCIENCE FOUNDATION	10,498	-
National Science Foundation	Direct	47.041	1565232	NATIONAL SCIENCE FOUNDATION	4,000	-
National Science Foundation	Direct	47.041	1603646	NATIONAL SCIENCE FOUNDATION	1,046	-
National Science Foundation	Direct	47.041	1603705	NATIONAL SCIENCE FOUNDATION	(1,998)	-
National Science Foundation	Direct	47.041	1603720	NATIONAL SCIENCE FOUNDATION	4,700	-
National Science Foundation	Direct	47.041	1628958	NATIONAL SCIENCE FOUNDATION	93,831	16,961
National Science Foundation	Direct	47.041	1702591	NATIONAL SCIENCE FOUNDATION	170,445	-
National Science Foundation	Direct	47.041	1639115	NATIONAL SCIENCE FOUNDATION	64,215	5,557
National Science Foundation	Direct	47.041	1651674	NATIONAL SCIENCE FOUNDATION	82,153	-
National Science Foundation	Direct	47.041	1651674	NATIONAL SCIENCE FOUNDATION	26,567	-
National Science Foundation	Direct	47.041	1661618	NATIONAL SCIENCE FOUNDATION	51,658	-
National Science Foundation	Direct	47.041	1702591	NATIONAL SCIENCE FOUNDATION	(3,523)	-
National Science Foundation	Direct	47.041	1702987	NATIONAL SCIENCE FOUNDATION	69,576	-
National Science Foundation	Direct	47.041	1703735	NATIONAL SCIENCE FOUNDATION	42,902	-
National Science Foundation	Direct	47.041	1703735	NATIONAL SCIENCE FOUNDATION	29,284	-
National Science Foundation	Direct	47.041	1762820	NATIONAL SCIENCE FOUNDATION	6,859	-
National Science Foundation	Direct	47.041	1724941	NATIONAL SCIENCE FOUNDATION	86,165	-
National Science Foundation	Direct	47.041	1724941	NATIONAL SCIENCE FOUNDATION	10,966	-
National Science Foundation	Direct	47.041	1725278	NATIONAL SCIENCE FOUNDATION	27,765	-
National Science Foundation	Direct	47.041	1750785	NATIONAL SCIENCE FOUNDATION	108,268	-
National Science Foundation	Direct	47.041	1762331	NATIONAL SCIENCE FOUNDATION	47,094	-
National Science Foundation	Direct	47.041	1801785	NATIONAL SCIENCE FOUNDATION	86,515	-
National Science Foundation	Direct	47.041	1802992	NATIONAL SCIENCE FOUNDATION	93,087	-
National Science Foundation	Direct	47.041	1802992-PSC	NATIONAL SCIENCE FOUNDATION	(342)	-
National Science Foundation	Direct	47.041	1803895	NATIONAL SCIENCE FOUNDATION	19,833	-
National Science Foundation	Direct	47.041	1803895	NATIONAL SCIENCE FOUNDATION	14,845	-
National Science Foundation	Direct	47.041	1803895	NATIONAL SCIENCE FOUNDATION	3,011	-
National Science Foundation	Direct	47.041	1808436	NATIONAL SCIENCE FOUNDATION	128,246	-
National Science Foundation	Direct	47.041	1824976	NATIONAL SCIENCE FOUNDATION	26,468	-
National Science Foundation	Direct	47.041	1825678	NATIONAL SCIENCE FOUNDATION	63,412	-
National Science Foundation	Direct	47.041	1825678	NATIONAL SCIENCE FOUNDATION	32,103	-
National Science Foundation	Direct	47.041	1832989	NATIONAL SCIENCE FOUNDATION	70,285	-
National Science Foundation	Direct	47.041	1830259	NATIONAL SCIENCE FOUNDATION	5,574	-
National Science Foundation	Direct	47.041	1854750	NATIONAL SCIENCE FOUNDATION	135,125	-
National Science Foundation	Direct	47.041	1854750	NATIONAL SCIENCE FOUNDATION	3,853	-
National Science Foundation	Direct	47.041	1902250	NATIONAL SCIENCE FOUNDATION	53,468	-
National Science Foundation	Direct	47.041	1917577	NATIONAL SCIENCE FOUNDATION	124,676	10,947
National Science Foundation	Direct	47.041	1918074	NATIONAL SCIENCE FOUNDATION	41,744	-
National Science Foundation	Direct	47.041	1923409	NATIONAL SCIENCE FOUNDATION	12,092	-
National Science Foundation	Direct	47.041	1933768	NATIONAL SCIENCE FOUNDATION	110,505	-
National Science Foundation	Direct	47.041	1936440	NATIONAL SCIENCE FOUNDATION	35,485	22,835
National Science Foundation	Direct	47.041	1940950	NATIONAL SCIENCE FOUNDATION	133,242	-
National Science Foundation	Direct	47.041	1943716	NATIONAL SCIENCE FOUNDATION	126,213	-
National Science Foundation	Direct	47.041	1943759	NATIONAL SCIENCE FOUNDATION	50,293	-
National Science Foundation	Direct	47.041	1943759	NATIONAL SCIENCE FOUNDATION	11,343	-
National Science Foundation	Direct	47.041	1947009	NATIONAL SCIENCE FOUNDATION	79,289	-
National Science Foundation	Direct	47.041	1947009	NATIONAL SCIENCE FOUNDATION	29,001	-
National Science Foundation	Direct	47.041	1947009	NATIONAL SCIENCE FOUNDATION	23,323	-
National Science Foundation	Direct	47.041	1950794	NATIONAL SCIENCE FOUNDATION	60,070	-
National Science Foundation	Direct	47.041	1950794	NATIONAL SCIENCE FOUNDATION	10,445	-
National Science Foundation	Direct	47.041	2013093	NATIONAL SCIENCE FOUNDATION	135,987	33,958
National Science Foundation	Direct	47.041	2015161	NATIONAL SCIENCE FOUNDATION	40,927	37,768
National Science Foundation	Direct	47.041	2015194	NATIONAL SCIENCE FOUNDATION	114,833	-
National Science Foundation	Direct	47.041	2019320	NATIONAL SCIENCE FOUNDATION	85,836	-
National Science Foundation	Direct	47.041	2024270	NATIONAL SCIENCE FOUNDATION	99,038	-
National Science Foundation	Direct	47.041	2024649	NATIONAL SCIENCE FOUNDATION	209,385	-
National Science Foundation	Direct	47.041	2025959	NATIONAL SCIENCE FOUNDATION	3,383	-
National Science Foundation	Direct	47.041	2026717	NATIONAL SCIENCE FOUNDATION	121,937	-
National Science Foundation	Direct	47.041	2026717	NATIONAL SCIENCE FOUNDATION	844	-
National Science Foundation	Direct	47.041	2027113	NATIONAL SCIENCE FOUNDATION	207,952	21,362
National Science Foundation	Direct	47.041	2028474	NATIONAL SCIENCE FOUNDATION	123,949	-
National Science Foundation	Direct	47.041	2028736	NATIONAL SCIENCE FOUNDATION	60,901	-
National Science Foundation	Direct	47.041	2029374	NATIONAL SCIENCE FOUNDATION	419,077	-
National Science Foundation	Direct	47.041	2030411	NATIONAL SCIENCE FOUNDATION	39,085	-
National Science Foundation	Direct	47.041	2030556	NATIONAL SCIENCE FOUNDATION	141,441	-
National Science Foundation	Direct	47.041	2032709	NATIONAL SCIENCE FOUNDATION	88,308	-
National Science Foundation	Direct	47.041	2036737	NATIONAL SCIENCE FOUNDATION	302,647	236,287
National Science Foundation	Direct	47.041	2036737	NATIONAL SCIENCE FOUNDATION	15,325	-
National Science Foundation	Direct	47.041	2043464	NATIONAL SCIENCE FOUNDATION	66,170	-
National Science Foundation	Direct	47.041	2044254	NATIONAL SCIENCE FOUNDATION	117,836	-
National Science Foundation	Direct	47.041	2044254	NATIONAL SCIENCE FOUNDATION	3,464	-
National Science Foundation	Direct	47.041	2044977	NATIONAL SCIENCE FOUNDATION	66,542	-
National Science Foundation	Direct	47.041	2044886	NATIONAL SCIENCE FOUNDATION	37,820	-
National Science Foundation	Direct	47.041	2045436	NATIONAL SCIENCE FOUNDATION	44,890	-
National Science Foundation	Direct	47.041	2045776	NATIONAL SCIENCE FOUNDATION	52,885	-
National Science Foundation	Direct	47.041	2046374	NATIONAL SCIENCE FOUNDATION	10,157	-
National Science Foundation	Direct	47.041	2055088	NATIONAL SCIENCE FOUNDATION	60,119	-
National Science Foundation	Direct	47.041	2102015	NATIONAL SCIENCE FOUNDATION	10,352	-
National Science Foundation	Direct	47.041	2122681	NATIONAL SCIENCE FOUNDATION	113,516	-
National Science Foundation	Direct	47.041	2127495	NATIONAL SCIENCE FOUNDATION	36,256	-
National Science Foundation	Direct	47.041	2129228	NATIONAL SCIENCE FOUNDATION	10,531	-



Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
National Science Foundation	Direct	47.041	2129229	NATIONAL SCIENCE FOUNDATION	\$ 15,426	\$ -
National Science Foundation	Direct	47.041	2142846	NATIONAL SCIENCE FOUNDATION	1,950	-
National Science Foundation	Direct	47.041	CBET-1845006	NATIONAL SCIENCE FOUNDATION	127,249	-
National Science Foundation	Direct	47.041	COVID-19 - 2028474	NATIONAL SCIENCE FOUNDATION	31,259	-
National Science Foundation	Direct	47.041	COVID-19 - 2029319	NATIONAL SCIENCE FOUNDATION	58,547	-
National Science Foundation	Direct	47.041	ECCS-1751655	NATIONAL SCIENCE FOUNDATION	108,530	-
National Science Foundation	Direct	47.041	PHY-1531199	NATIONAL SCIENCE FOUNDATION	27,904	-
National Science Foundation	Direct	47.049	1949082	NATIONAL SCIENCE FOUNDATION	3,661	-
National Science Foundation	Direct	47.049	162494	NATIONAL SCIENCE FOUNDATION	(16,277)	-
National Science Foundation	Direct	47.049	1453661	NATIONAL SCIENCE FOUNDATION	3,043	-
National Science Foundation	Direct	47.049	1453661	NATIONAL SCIENCE FOUNDATION	(160)	-
National Science Foundation	Direct	47.049	1554315	NATIONAL SCIENCE FOUNDATION	80,548	-
National Science Foundation	Direct	47.049	1559866	NATIONAL SCIENCE FOUNDATION	60,353	-
National Science Foundation	Direct	47.049	1607942	NATIONAL SCIENCE FOUNDATION	21,600	-
National Science Foundation	Direct	47.049	1614566	NATIONAL SCIENCE FOUNDATION	(24)	-
National Science Foundation	Direct	47.049	1625181	NATIONAL SCIENCE FOUNDATION	51,059	-
National Science Foundation	Direct	47.049	1653405	NATIONAL SCIENCE FOUNDATION	65,298	-
National Science Foundation	Direct	47.049	1653405	NATIONAL SCIENCE FOUNDATION	47,010	-
National Science Foundation	Direct	47.049	1654610	NATIONAL SCIENCE FOUNDATION	58,722	-
National Science Foundation	Direct	47.049	1664823	NATIONAL SCIENCE FOUNDATION	38,329	-
National Science Foundation	Direct	47.049	1702115	NATIONAL SCIENCE FOUNDATION	27,423	-
National Science Foundation	Direct	47.049	1707812	NATIONAL SCIENCE FOUNDATION	640	-
National Science Foundation	Direct	47.049	1708249	NATIONAL SCIENCE FOUNDATION	880	-
National Science Foundation	Direct	47.049	1709016	NATIONAL SCIENCE FOUNDATION	140,478	-
National Science Foundation	Direct	47.049	1709016	NATIONAL SCIENCE FOUNDATION	2,063	-
National Science Foundation	Direct	47.049	1709158	NATIONAL SCIENCE FOUNDATION	(181)	-
National Science Foundation	Direct	47.049	1709158	NATIONAL SCIENCE FOUNDATION	(716)	-
National Science Foundation	Direct	47.049	1713901	NATIONAL SCIENCE FOUNDATION	59,120	-
National Science Foundation	Direct	47.049	1714825	NATIONAL SCIENCE FOUNDATION	10,664	-
National Science Foundation	Direct	47.049	1715158	NATIONAL SCIENCE FOUNDATION	11,823	-
National Science Foundation	Direct	47.049	1751874	NATIONAL SCIENCE FOUNDATION	179,683	-
National Science Foundation	Direct	47.049	1761320	NATIONAL SCIENCE FOUNDATION	91,370	-
National Science Foundation	Direct	47.049	1761320	NATIONAL SCIENCE FOUNDATION	85,677	-
National Science Foundation	Direct	47.049	1761320	NATIONAL SCIENCE FOUNDATION	35,784	-
National Science Foundation	Direct	47.049	1765321	NATIONAL SCIENCE FOUNDATION	180,927	-
National Science Foundation	Direct	47.049	1803719	NATIONAL SCIENCE FOUNDATION	60,076	-
National Science Foundation	Direct	47.049	1806473	NATIONAL SCIENCE FOUNDATION	200,105	120,176
National Science Foundation	Direct	47.049	1807073	NATIONAL SCIENCE FOUNDATION	47,491	-
National Science Foundation	Direct	47.049	1807073	NATIONAL SCIENCE FOUNDATION	15,155	-
National Science Foundation	Direct	47.049	1807523	NATIONAL SCIENCE FOUNDATION	73,714	-
National Science Foundation	Direct	47.049	1810575	NATIONAL SCIENCE FOUNDATION	47,850	-
National Science Foundation	Direct	47.049	1811815	NATIONAL SCIENCE FOUNDATION	9,411	-
National Science Foundation	Direct	47.049	1811855	NATIONAL SCIENCE FOUNDATION	36,785	-
National Science Foundation	Direct	47.049	1811855	NATIONAL SCIENCE FOUNDATION	15,331	-
National Science Foundation	Direct	47.049	1812332	NATIONAL SCIENCE FOUNDATION	18,562	-
National Science Foundation	Direct	47.049	1812838	NATIONAL SCIENCE FOUNDATION	81,917	-
National Science Foundation	Direct	47.049	1812856	NATIONAL SCIENCE FOUNDATION	14,601	-
National Science Foundation	Direct	47.049	1813203	NATIONAL SCIENCE FOUNDATION	72,800	-
National Science Foundation	Direct	47.049	1813203	NATIONAL SCIENCE FOUNDATION	5,069	-
National Science Foundation	Direct	47.049	1836498	NATIONAL SCIENCE FOUNDATION	47,663	-
National Science Foundation	Direct	47.049	1836498	NATIONAL SCIENCE FOUNDATION	12,895	-
National Science Foundation	Direct	47.049	1836498	NATIONAL SCIENCE FOUNDATION	10,255	-
National Science Foundation	Direct	47.049	1843472	NATIONAL SCIENCE FOUNDATION	5,171	-
National Science Foundation	Direct	47.049	1845416	NATIONAL SCIENCE FOUNDATION	43,470	-
National Science Foundation	Direct	47.049	1845686	NATIONAL SCIENCE FOUNDATION	96,646	-
National Science Foundation	Direct	47.049	1846114	NATIONAL SCIENCE FOUNDATION	35,935	-
National Science Foundation	Direct	47.049	1851776	NATIONAL SCIENCE FOUNDATION	70,950	-
National Science Foundation	Direct	47.049	1851776	NATIONAL SCIENCE FOUNDATION	9,006	-
National Science Foundation	Direct	47.049	1855185	NATIONAL SCIENCE FOUNDATION	66,920	-
National Science Foundation	Direct	47.049	1855335	NATIONAL SCIENCE FOUNDATION	20,029	-
National Science Foundation	Direct	47.049	1856683	NATIONAL SCIENCE FOUNDATION	34,954	-
National Science Foundation	Direct	47.049	1900015	NATIONAL SCIENCE FOUNDATION	101,632	-
National Science Foundation	Direct	47.049	1900288	NATIONAL SCIENCE FOUNDATION	77,973	-
National Science Foundation	Direct	47.049	1901867	NATIONAL SCIENCE FOUNDATION	39,286	-
National Science Foundation	Direct	47.049	1904295	NATIONAL SCIENCE FOUNDATION	148,434	-
National Science Foundation	Direct	47.049	1904655	NATIONAL SCIENCE FOUNDATION	74,217	-
National Science Foundation	Direct	47.049	1907790	NATIONAL SCIENCE FOUNDATION	30,342	-
National Science Foundation	Direct	47.049	1907898	NATIONAL SCIENCE FOUNDATION	10,560	-
National Science Foundation	Direct	47.049	1908109	NATIONAL SCIENCE FOUNDATION	12,258	-
National Science Foundation	Direct	47.049	1912183	NATIONAL SCIENCE FOUNDATION	62,775	-
National Science Foundation	Direct	47.049	1912706	NATIONAL SCIENCE FOUNDATION	96,588	-
National Science Foundation	Direct	47.049	1912799	NATIONAL SCIENCE FOUNDATION	110,014	-
National Science Foundation	Direct	47.049	1912906	NATIONAL SCIENCE FOUNDATION	(75)	-
National Science Foundation	Direct	47.049	1913011	NATIONAL SCIENCE FOUNDATION	189,214	-
National Science Foundation	Direct	47.049	1913287	NATIONAL SCIENCE FOUNDATION	80,761	-
National Science Foundation	Direct	47.049	1913554	NATIONAL SCIENCE FOUNDATION	1,825,115	-
National Science Foundation	Direct	47.049	1913554	NATIONAL SCIENCE FOUNDATION	9,411	-
National Science Foundation	Direct	47.049	1915099	NATIONAL SCIENCE FOUNDATION	21,275	-
National Science Foundation	Direct	47.049	1916339	NATIONAL SCIENCE FOUNDATION	44,088	-
National Science Foundation	Direct	47.049	1915395	NATIONAL SCIENCE FOUNDATION	1,177	-
National Science Foundation	Direct	47.049	1923201	NATIONAL SCIENCE FOUNDATION	49,844	-
National Science Foundation	Direct	47.049	1943758	NATIONAL SCIENCE FOUNDATION	9,551	-
National Science Foundation	Direct	47.049	1952856	NATIONAL SCIENCE FOUNDATION	35,887	-
National Science Foundation	Direct	47.049	1953254	NATIONAL SCIENCE FOUNDATION	150,739	-
National Science Foundation	Direct	47.049	2000128	NATIONAL SCIENCE FOUNDATION	62,033	-
National Science Foundation	Direct	47.049	2000128 PSC	NATIONAL SCIENCE FOUNDATION	2,000	-
National Science Foundation	Direct	47.049	2000131	NATIONAL SCIENCE FOUNDATION	39,494	-
National Science Foundation	Direct	47.049	2000131	NATIONAL SCIENCE FOUNDATION	414	-
National Science Foundation	Direct	47.049	2001205	NATIONAL SCIENCE FOUNDATION	99,992	-
National Science Foundation	Direct	47.049	2003815	NATIONAL SCIENCE FOUNDATION	152,538	-
National Science Foundation	Direct	47.049	2004155	NATIONAL SCIENCE FOUNDATION	96,513	-
National Science Foundation	Direct	47.049	2006881	NATIONAL SCIENCE FOUNDATION	33,660	-
National Science Foundation	Direct	47.049	2008004	NATIONAL SCIENCE FOUNDATION	178,372	-
National Science Foundation	Direct	47.049	2011838	NATIONAL SCIENCE FOUNDATION	53,721	-
National Science Foundation	Direct	47.049	2012183	NATIONAL SCIENCE FOUNDATION	956,954	-
National Science Foundation	Direct	47.049	2012040	NATIONAL SCIENCE FOUNDATION	52,642	-
National Science Foundation	Direct	47.049	2012046	NATIONAL SCIENCE FOUNDATION	58,962	-
National Science Foundation	Direct	47.049	2012165	NATIONAL SCIENCE FOUNDATION	773,932	-
National Science Foundation	Direct	47.049	2012439	NATIONAL SCIENCE FOUNDATION	64,226	-
National Science Foundation	Direct	47.049	2013047	NATIONAL SCIENCE FOUNDATION	235,314	-
National Science Foundation	Direct	47.049	2013791	NATIONAL SCIENCE FOUNDATION	121,480	-
National Science Foundation	Direct	47.049	2013859	NATIONAL SCIENCE FOUNDATION	59,551	-
National Science Foundation	Direct	47.049	2017986	NATIONAL SCIENCE FOUNDATION	362,916	-
National Science Foundation	Direct	47.049	2045122	NATIONAL SCIENCE FOUNDATION	132,073	-
National Science Foundation	Direct	47.049	2050753	NATIONAL SCIENCE FOUNDATION	40,090	-
National Science Foundation	Direct	47.049	2052042	NATIONAL SCIENCE FOUNDATION	21,220	-
National Science Foundation	Direct	47.049	2052983	NATIONAL SCIENCE FOUNDATION	68,791	-
National Science Foundation	Direct	47.049	2100743	NATIONAL SCIENCE FOUNDATION	91,603	-
National Science Foundation	Direct	47.049	2100791	NATIONAL SCIENCE FOUNDATION	24,380	-
National Science Foundation	Direct	47.049	2101761	NATIONAL SCIENCE FOUNDATION	25,296	-
National Science Foundation	Direct	47.049	2104233	NATIONAL SCIENCE FOUNDATION	31,879	-
National Science Foundation	Direct	47.049	2104664	NATIONAL SCIENCE FOUNDATION	66,831	-
National Science Foundation	Direct	47.049	2106799	NATIONAL SCIENCE FOUNDATION	162,401	-
National Science Foundation	Direct	47.049	2107070	NATIONAL SCIENCE FOUNDATION	110,397	-
National Science Foundation	Direct	47.049	2107155	NATIONAL SCIENCE FOUNDATION	71,327	-
National Science Foundation	Direct	47.049	2108505	NATIONAL SCIENCE FOUNDATION	49,544	-
National Science Foundation	Direct	47.049	2110365	NATIONAL SCIENCE FOUNDATION	83,148	-
National Science Foundation	Direct	47.049	2110981	NATIONAL SCIENCE FOUNDATION	58,367	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
National Science Foundation	Direct	47.049	2111185	NATIONAL SCIENCE FOUNDATION	\$ 855,956	\$ -
National Science Foundation	Direct	47.049	2111226	NATIONAL SCIENCE FOUNDATION	180,189	-
National Science Foundation	Direct	47.049	2111251	NATIONAL SCIENCE FOUNDATION	25,038	-
National Science Foundation	Direct	47.049	2112691	NATIONAL SCIENCE FOUNDATION	23,915	-
National Science Foundation	Direct	47.049	2115407	NATIONAL SCIENCE FOUNDATION	17,244	-
National Science Foundation	Direct	47.049	2118463	NATIONAL SCIENCE FOUNDATION	39,718	-
National Science Foundation	Direct	47.049	2142866	NATIONAL SCIENCE FOUNDATION	3,206	-
National Science Foundation	Direct	47.049	2150173	NATIONAL SCIENCE FOUNDATION	60,459	-
National Science Foundation	Direct	47.049	2150173	NATIONAL SCIENCE FOUNDATION	12,065	-
National Science Foundation	Direct	47.049	2152946	NATIONAL SCIENCE FOUNDATION	8,420	-
National Science Foundation	Direct	47.049	2154233	NATIONAL SCIENCE FOUNDATION	49,625	-
National Science Foundation	Direct	47.049	2154402	NATIONAL SCIENCE FOUNDATION	20,658	-
National Science Foundation	Direct	47.049	2154408	NATIONAL SCIENCE FOUNDATION	18,488	-
National Science Foundation	Direct	47.049	2210286	NATIONAL SCIENCE FOUNDATION	9,746	-
National Science Foundation	Direct	47.049	CHE-1900086	NATIONAL SCIENCE FOUNDATION	136,362	-
National Science Foundation	Direct	47.049	CHE-1900399	NATIONAL SCIENCE FOUNDATION	93,422	-
National Science Foundation	Direct	47.049	DMS - 1852066	NATIONAL SCIENCE FOUNDATION	49,883	-
National Science Foundation	Direct	47.049	DMS - 1852066	NATIONAL SCIENCE FOUNDATION	20,804	-
National Science Foundation	Direct	47.049	DMS-1907221	NATIONAL SCIENCE FOUNDATION	28,485	-
National Science Foundation	Direct	47.049	DMS-1924724	NATIONAL SCIENCE FOUNDATION	142,893	-
National Science Foundation	Direct	47.049	DMS-1924724	NATIONAL SCIENCE FOUNDATION	5,136	-
National Science Foundation	Direct	47.049	PHY-1430152	NATIONAL SCIENCE FOUNDATION	1,222,800	665,584
National Science Foundation	Direct	47.049	PHY-1430152	NATIONAL SCIENCE FOUNDATION	6,210	-
National Science Foundation	Direct	47.049	PHY-1565546	NATIONAL SCIENCE FOUNDATION	7,859,560	29,747
National Science Foundation	Direct	47.049	2050702	NATIONAL SCIENCE FOUNDATION	32,433	-
National Science Foundation	Direct	47.049	1955304	NATIONAL SCIENCE FOUNDATION	13,711	-
National Science Foundation	Direct	47.050	1443165	NATIONAL SCIENCE FOUNDATION	31,201	-
National Science Foundation	Direct	47.050	1531086	NATIONAL SCIENCE FOUNDATION	(7,116)	-
National Science Foundation	Direct	47.050	1551872	NATIONAL SCIENCE FOUNDATION	27,165	-
National Science Foundation	Direct	47.050	1629339	NATIONAL SCIENCE FOUNDATION	2,392	-
National Science Foundation	Direct	47.050	1629439	NATIONAL SCIENCE FOUNDATION	509	-
National Science Foundation	Direct	47.050	1664332	NATIONAL SCIENCE FOUNDATION	49,514	-
National Science Foundation	Direct	47.050	1722623	NATIONAL SCIENCE FOUNDATION	52,769	-
National Science Foundation	Direct	47.050	1751664	NATIONAL SCIENCE FOUNDATION	100,934	-
National Science Foundation	Direct	47.050	1757229	NATIONAL SCIENCE FOUNDATION	59,892	-
National Science Foundation	Direct	47.050	1802247	NATIONAL SCIENCE FOUNDATION	65,924	-
National Science Foundation	Direct	47.050	1842989	NATIONAL SCIENCE FOUNDATION	33,050	-
National Science Foundation	Direct	47.050	1842989	NATIONAL SCIENCE FOUNDATION	7	-
National Science Foundation	Direct	47.050	1846855	NATIONAL SCIENCE FOUNDATION	26,833	-
National Science Foundation	Direct	47.050	1850906	NATIONAL SCIENCE FOUNDATION	32,433	-
National Science Foundation	Direct	47.050	1916567	NATIONAL SCIENCE FOUNDATION	128,324	-
National Science Foundation	Direct	47.050	1923218	NATIONAL SCIENCE FOUNDATION	46,078	-
National Science Foundation	Direct	47.050	1928946	NATIONAL SCIENCE FOUNDATION	4,340	-
National Science Foundation	Direct	47.050	1939979	NATIONAL SCIENCE FOUNDATION	61,361	-
National Science Foundation	Direct	47.050	1943421	NATIONAL SCIENCE FOUNDATION	21,771	-
National Science Foundation	Direct	47.050	1943784	NATIONAL SCIENCE FOUNDATION	4,520	-
National Science Foundation	Direct	47.050	1950101	NATIONAL SCIENCE FOUNDATION	38,145	5,144
National Science Foundation	Direct	47.050	2023059	NATIONAL SCIENCE FOUNDATION	88,641	-
National Science Foundation	Direct	47.050	2023059	NATIONAL SCIENCE FOUNDATION	43,720	-
National Science Foundation	Direct	47.050	2031331	NATIONAL SCIENCE FOUNDATION	50,897	-
National Science Foundation	Direct	47.050	2033891	NATIONAL SCIENCE FOUNDATION	40,698	-
National Science Foundation	Direct	47.050	2035816	NATIONAL SCIENCE FOUNDATION	14,528	-
National Science Foundation	Direct	47.050	2042553	NATIONAL SCIENCE FOUNDATION	89,697	-
National Science Foundation	Direct	47.050	2052558	NATIONAL SCIENCE FOUNDATION	136,137	-
National Science Foundation	Direct	47.050	2102030	NATIONAL SCIENCE FOUNDATION	15,868	-
National Science Foundation	Direct	47.050	2126568	NATIONAL SCIENCE FOUNDATION	62,013	-
National Science Foundation	Direct	47.050	2127643	NATIONAL SCIENCE FOUNDATION	60,213	-
National Science Foundation	Direct	47.050	2127643	NATIONAL SCIENCE FOUNDATION	27,954	-
National Science Foundation	Direct	47.050	2137618	NATIONAL SCIENCE FOUNDATION	30,385	-
National Science Foundation	Direct	47.050	2142422	NATIONAL SCIENCE FOUNDATION	14,738	-
National Science Foundation	Direct	47.050	OCE 1829406	NATIONAL SCIENCE FOUNDATION	104,298	-
National Science Foundation	Direct	47.050	2127220	NATIONAL SCIENCE FOUNDATION	6,702	-
National Science Foundation	Direct	47.050	1943784	NATIONAL SCIENCE FOUNDATION	9,696	-
National Science Foundation	Direct	47.070	1854985	NATIONAL SCIENCE FOUNDATION	583	-
National Science Foundation	Direct	47.070	2097181	NATIONAL SCIENCE FOUNDATION	2,595	-
National Science Foundation	Direct	47.070	1730137	NATIONAL SCIENCE FOUNDATION	78	-
National Science Foundation	Direct	47.070	2118356	NATIONAL SCIENCE FOUNDATION	12,689	-
National Science Foundation	Direct	47.070	1533802	NATIONAL SCIENCE FOUNDATION	7,940	-
National Science Foundation	Direct	47.070	1615489	NATIONAL SCIENCE FOUNDATION	7,534	-
National Science Foundation	Direct	47.070	1617412	NATIONAL SCIENCE FOUNDATION	6,473	-
National Science Foundation	Direct	47.070	1622659	NATIONAL SCIENCE FOUNDATION	40,461	-
National Science Foundation	Direct	47.070	1645783	NATIONAL SCIENCE FOUNDATION	82,069	-
National Science Foundation	Direct	47.070	1714126	NATIONAL SCIENCE FOUNDATION	18,649	-
National Science Foundation	Direct	47.070	1714417	NATIONAL SCIENCE FOUNDATION	16,867	-
National Science Foundation	Direct	47.070	1715417	NATIONAL SCIENCE FOUNDATION	1,571	-
National Science Foundation	Direct	47.070	1715714	NATIONAL SCIENCE FOUNDATION	(66)	-
National Science Foundation	Direct	47.070	1730137	NATIONAL SCIENCE FOUNDATION	8,244	-
National Science Foundation	Direct	47.070	1734272	NATIONAL SCIENCE FOUNDATION	5,125	-
National Science Foundation	Direct	47.070	1738677	NATIONAL SCIENCE FOUNDATION	154,218	21,741
National Science Foundation	Direct	47.070	1749018	NATIONAL SCIENCE FOUNDATION	67,129	-
National Science Foundation	Direct	47.070	1749940	NATIONAL SCIENCE FOUNDATION	8,697	-
National Science Foundation	Direct	47.070	1807622	NATIONAL SCIENCE FOUNDATION	91,970	-
National Science Foundation	Direct	47.070	1814551	NATIONAL SCIENCE FOUNDATION	197,245	-
National Science Foundation	Direct	47.070	1815636	NATIONAL SCIENCE FOUNDATION	166,847	-
National Science Foundation	Direct	47.070	1822932	NATIONAL SCIENCE FOUNDATION	203,310	-
National Science Foundation	Direct	47.070	1835267	NATIONAL SCIENCE FOUNDATION	190,077	-
National Science Foundation	Direct	47.070	1835426	NATIONAL SCIENCE FOUNDATION	120,757	-
National Science Foundation	Direct	47.070	1841517	NATIONAL SCIENCE FOUNDATION	40,073	38,224
National Science Foundation	Direct	47.070	1845081	NATIONAL SCIENCE FOUNDATION	59,952	-
National Science Foundation	Direct	47.070	1845208	NATIONAL SCIENCE FOUNDATION	24,864	-
National Science Foundation	Direct	47.070	1848945	NATIONAL SCIENCE FOUNDATION	25,111	-
National Science Foundation	Direct	47.070	1854985	NATIONAL SCIENCE FOUNDATION	23,732	-
National Science Foundation	Direct	47.070	1907591	NATIONAL SCIENCE FOUNDATION	67,321	-
National Science Foundation	Direct	47.070	1907704	NATIONAL SCIENCE FOUNDATION	43,511	-
National Science Foundation	Direct	47.070	1907807	NATIONAL SCIENCE FOUNDATION	119,810	-
National Science Foundation	Direct	47.070	1909177	NATIONAL SCIENCE FOUNDATION	71,064	-
National Science Foundation	Direct	47.070	1909523	NATIONAL SCIENCE FOUNDATION	7,314	-
National Science Foundation	Direct	47.070	1919154	NATIONAL SCIENCE FOUNDATION	134,045	-
National Science Foundation	Direct	47.070	1928278	NATIONAL SCIENCE FOUNDATION	384,995	-
National Science Foundation	Direct	47.070	1939368	NATIONAL SCIENCE FOUNDATION	55,859	-
National Science Foundation	Direct	47.070	1940059	NATIONAL SCIENCE FOUNDATION	104,780	-
National Science Foundation	Direct	47.070	1949753	NATIONAL SCIENCE FOUNDATION	173	-
National Science Foundation	Direct	47.070	1949912	NATIONAL SCIENCE FOUNDATION	69,790	-
National Science Foundation	Direct	47.070	1949912	NATIONAL SCIENCE FOUNDATION	14,001	6,729
National Science Foundation	Direct	47.070	1950171	NATIONAL SCIENCE FOUNDATION	130,362	-
National Science Foundation	Direct	47.070	1950171	NATIONAL SCIENCE FOUNDATION	4,333	-
National Science Foundation	Direct	47.070	1955285	NATIONAL SCIENCE FOUNDATION	47,261	-
National Science Foundation	Direct	47.070	2006633	NATIONAL SCIENCE FOUNDATION	87,323	-
National Science Foundation	Direct	47.070	2006661	NATIONAL SCIENCE FOUNDATION	50,459	-
National Science Foundation	Direct	47.070	2006800	NATIONAL SCIENCE FOUNDATION	120,237	-
National Science Foundation	Direct	47.070	2006800	NATIONAL SCIENCE FOUNDATION	3,924	-
National Science Foundation	Direct	47.070	2007159	NATIONAL SCIENCE FOUNDATION	107,354	-
National Science Foundation	Direct	47.070	2007159	NATIONAL SCIENCE FOUNDATION	6,783	-
National Science Foundation	Direct	47.070	2007181	NATIONAL SCIENCE FOUNDATION	91,769	-
National Science Foundation	Direct	47.070	2019432	NATIONAL SCIENCE FOUNDATION	81,271	-
National Science Foundation	Direct	47.070	2028626	NATIONAL SCIENCE FOUNDATION	130,802	-
National Science Foundation	Direct	47.070	2100112	NATIONAL SCIENCE FOUNDATION	90,629	-
National Science Foundation	Direct	47.070	2100989	NATIONAL SCIENCE FOUNDATION	203,170	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
National Science Foundation	Direct	47.070	2102106	NATIONAL SCIENCE FOUNDATION	\$ 36,258	\$ -
National Science Foundation	Direct	47.070	2106578	NATIONAL SCIENCE FOUNDATION	43,507	-
National Science Foundation	Direct	47.070	2113818	NATIONAL SCIENCE FOUNDATION	64,453	20,489
National Science Foundation	Direct	47.070	2117519	NATIONAL SCIENCE FOUNDATION	755	-
National Science Foundation	Direct	47.070	2122314	NATIONAL SCIENCE FOUNDATION	36,786	-
National Science Foundation	Direct	47.070	2123260	NATIONAL SCIENCE FOUNDATION	25,400	-
National Science Foundation	Direct	47.070	2134076	NATIONAL SCIENCE FOUNDATION	16,938	-
National Science Foundation	Direct	47.070	2031219	NATIONAL SCIENCE FOUNDATION	3,860	-
National Science Foundation	Direct	47.070	2142713	NATIONAL SCIENCE FOUNDATION	4,965	-
National Science Foundation	Direct	47.070	CNS-1524296	NATIONAL SCIENCE FOUNDATION	11,124	-
National Science Foundation	Direct	47.070	CNS1618518	NATIONAL SCIENCE FOUNDATION	(1,073)	-
National Science Foundation	Direct	47.070	IIS-1452479	NATIONAL SCIENCE FOUNDATION	27,302	-
National Science Foundation	Direct	47.070	IIS-1900473	NATIONAL SCIENCE FOUNDATION	57,854	-
National Science Foundation	Direct	47.070	OAC-1835144	NATIONAL SCIENCE FOUNDATION	57,153	39,583
National Science Foundation	Direct	47.070	2203280	NATIONAL SCIENCE FOUNDATION	12,096	-
National Science Foundation	Direct	47.074	0939454	NATIONAL SCIENCE FOUNDATION	146,546	55,766
National Science Foundation	Direct	47.074	0939454	NATIONAL SCIENCE FOUNDATION	(2,600)	-
National Science Foundation	Direct	47.074	1253225	NATIONAL SCIENCE FOUNDATION	(67)	-
National Science Foundation	Direct	47.074	1546617	NATIONAL SCIENCE FOUNDATION	474,424	32,609
National Science Foundation	Direct	47.074	1546617	NATIONAL SCIENCE FOUNDATION	174,581	-
National Science Foundation	Direct	47.074	1546617	NATIONAL SCIENCE FOUNDATION	76,131	-
National Science Foundation	Direct	47.074	1546617	NATIONAL SCIENCE FOUNDATION	26,000	-
National Science Foundation	Direct	47.074	1546617	NATIONAL SCIENCE FOUNDATION	13,351	-
National Science Foundation	Direct	47.074	1546657	NATIONAL SCIENCE FOUNDATION	377,168	157,624
National Science Foundation	Direct	47.074	1546657	NATIONAL SCIENCE FOUNDATION	70,820	-
National Science Foundation	Direct	47.074	1546657	NATIONAL SCIENCE FOUNDATION	9,321	-
National Science Foundation	Direct	47.074	1546657	NATIONAL SCIENCE FOUNDATION	8,308	-
National Science Foundation	Direct	47.074	1546657	NATIONAL SCIENCE FOUNDATION	888	-
National Science Foundation	Direct	47.074	1557324	NATIONAL SCIENCE FOUNDATION	15,523	-
National Science Foundation	Direct	47.074	1557324	NATIONAL SCIENCE FOUNDATION	(28,966)	-
National Science Foundation	Direct	47.074	1557437	NATIONAL SCIENCE FOUNDATION	805	-
National Science Foundation	Direct	47.074	1557657	NATIONAL SCIENCE FOUNDATION	(7)	-
National Science Foundation	Direct	47.074	1600556	NATIONAL SCIENCE FOUNDATION	(3)	-
National Science Foundation	Direct	47.074	1638679	NATIONAL SCIENCE FOUNDATION	212,834	-
National Science Foundation	Direct	47.074	1638679	NATIONAL SCIENCE FOUNDATION	2,327	-
National Science Foundation	Direct	47.074	1638778	NATIONAL SCIENCE FOUNDATION	164,090	-
National Science Foundation	Direct	47.074	1638778	NATIONAL SCIENCE FOUNDATION	794	-
National Science Foundation	Direct	47.074	1644965	NATIONAL SCIENCE FOUNDATION	101,500	41,732
National Science Foundation	Direct	47.074	1644965	NATIONAL SCIENCE FOUNDATION	16,798	-
National Science Foundation	Direct	47.074	1655386	NATIONAL SCIENCE FOUNDATION	166,445	-
National Science Foundation	Direct	47.074	1655386	NATIONAL SCIENCE FOUNDATION	6,415	-
National Science Foundation	Direct	47.074	1655392	NATIONAL SCIENCE FOUNDATION	26,548	-
National Science Foundation	Direct	47.074	1655392	NATIONAL SCIENCE FOUNDATION	5,367	-
National Science Foundation	Direct	47.074	1655394	NATIONAL SCIENCE FOUNDATION	23,490	-
National Science Foundation	Direct	47.074	1655315	NATIONAL SCIENCE FOUNDATION	31,930	-
National Science Foundation	Direct	47.074	1702379	NATIONAL SCIENCE FOUNDATION	45,390	(14)
National Science Foundation	Direct	47.074	1702635	NATIONAL SCIENCE FOUNDATION	(14)	-
National Science Foundation	Direct	47.074	1714093	NATIONAL SCIENCE FOUNDATION	78,449	-
National Science Foundation	Direct	47.074	1714093	NATIONAL SCIENCE FOUNDATION	4,000	-
National Science Foundation	Direct	47.074	1714561	NATIONAL SCIENCE FOUNDATION	58,743	-
National Science Foundation	Direct	47.074	1714561	NATIONAL SCIENCE FOUNDATION	20,708	-
National Science Foundation	Direct	47.074	1714612	NATIONAL SCIENCE FOUNDATION	84,774	-
National Science Foundation	Direct	47.074	1719376	NATIONAL SCIENCE FOUNDATION	44,408	-
National Science Foundation	Direct	47.074	1733633	NATIONAL SCIENCE FOUNDATION	951,642	477,093
National Science Foundation	Direct	47.074	1733633	NATIONAL SCIENCE FOUNDATION	54,174	-
National Science Foundation	Direct	47.074	1733633	NATIONAL SCIENCE FOUNDATION	44,961	-
National Science Foundation	Direct	47.074	1737898	NATIONAL SCIENCE FOUNDATION	301,846	-
National Science Foundation	Direct	47.074	1737898	NATIONAL SCIENCE FOUNDATION	9,691	-
National Science Foundation	Direct	47.074	1740874	NATIONAL SCIENCE FOUNDATION	245,933	100,320
National Science Foundation	Direct	47.074	1740874	NATIONAL SCIENCE FOUNDATION	174,340	-
National Science Foundation	Direct	47.074	1740874	NATIONAL SCIENCE FOUNDATION	80,759	-
National Science Foundation	Direct	47.074	1749544	NATIONAL SCIENCE FOUNDATION	201,592	-
National Science Foundation	Direct	47.074	1750125	NATIONAL SCIENCE FOUNDATION	186,930	36,259
National Science Foundation	Direct	47.074	1754250	NATIONAL SCIENCE FOUNDATION	138,336	-
National Science Foundation	Direct	47.074	1754357	NATIONAL SCIENCE FOUNDATION	109,655	-
National Science Foundation	Direct	47.074	1754484	NATIONAL SCIENCE FOUNDATION	14,407	-
National Science Foundation	Direct	47.074	1754484	NATIONAL SCIENCE FOUNDATION	8,000	-
National Science Foundation	Direct	47.074	1755089	NATIONAL SCIENCE FOUNDATION	95,056	-
National Science Foundation	Direct	47.074	1757043	NATIONAL SCIENCE FOUNDATION	57,008	-
National Science Foundation	Direct	47.074	1757043	NATIONAL SCIENCE FOUNDATION	5,274	-
National Science Foundation	Direct	47.074	1757530	NATIONAL SCIENCE FOUNDATION	28,283	-
National Science Foundation	Direct	47.074	1757530	NATIONAL SCIENCE FOUNDATION	11,153	-
National Science Foundation	Direct	47.074	1759729	NATIONAL SCIENCE FOUNDATION	101,635	-
National Science Foundation	Direct	47.074	1759892	NATIONAL SCIENCE FOUNDATION	82,227	-
National Science Foundation	Direct	47.074	1817307	NATIONAL SCIENCE FOUNDATION	158,711	-
National Science Foundation	Direct	47.074	1817324	NATIONAL SCIENCE FOUNDATION	188,759	-
National Science Foundation	Direct	47.074	1817347	NATIONAL SCIENCE FOUNDATION	266,831	-
National Science Foundation	Direct	47.074	1817347	NATIONAL SCIENCE FOUNDATION	6,250	-
National Science Foundation	Direct	47.074	1817377	NATIONAL SCIENCE FOUNDATION	139,347	-
National Science Foundation	Direct	47.074	1831164	NATIONAL SCIENCE FOUNDATION	221,352	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	572,221	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	82,006	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	67,916	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	64,854	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	62,014	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	50,538	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	35,596	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	34,177	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	11,945	-
National Science Foundation	Direct	47.074	1832042	NATIONAL SCIENCE FOUNDATION	3,518	-
National Science Foundation	Direct	47.074	1832042 - HADDAD	NATIONAL SCIENCE FOUNDATION	96,730	-
National Science Foundation	Direct	47.074	1832042 - Outreach	NATIONAL SCIENCE FOUNDATION	12,981	-
National Science Foundation	Direct	47.074	1832042 sLTER	NATIONAL SCIENCE FOUNDATION	44,721	-
National Science Foundation	Direct	47.074	1841251	NATIONAL SCIENCE FOUNDATION	6,470	-
National Science Foundation	Direct	47.074	1845463	NATIONAL SCIENCE FOUNDATION	193,038	-
National Science Foundation	Direct	47.074	1845463	NATIONAL SCIENCE FOUNDATION	2,391	-
National Science Foundation	Direct	47.074	1855927	NATIONAL SCIENCE FOUNDATION	266,687	148,433
National Science Foundation	Direct	47.074	1856243	NATIONAL SCIENCE FOUNDATION	146,845	-
National Science Foundation	Direct	47.074	1901958	NATIONAL SCIENCE FOUNDATION	8,646	-
National Science Foundation	Direct	47.074	1911457	NATIONAL SCIENCE FOUNDATION	692,538	-
National Science Foundation	Direct	47.074	1913501	NATIONAL SCIENCE FOUNDATION	87,282	409,199
National Science Foundation	Direct	47.074	1913501	NATIONAL SCIENCE FOUNDATION	12,300	-
National Science Foundation	Direct	47.074	1919439	NATIONAL SCIENCE FOUNDATION	239,026	-
National Science Foundation	Direct	47.074	1919439	NATIONAL SCIENCE FOUNDATION	30,983	-
National Science Foundation	Direct	47.074	1924111	NATIONAL SCIENCE FOUNDATION	403,254	109,136
National Science Foundation	Direct	47.074	1926567	NATIONAL SCIENCE FOUNDATION	79,562	-
National Science Foundation	Direct	47.074	1935047	NATIONAL SCIENCE FOUNDATION	284,698	-
National Science Foundation	Direct	47.074	1935089	NATIONAL SCIENCE FOUNDATION	151,458	-
National Science Foundation	Direct	47.074	1942143	NATIONAL SCIENCE FOUNDATION	85,646	-
National Science Foundation	Direct	47.074	1946007	NATIONAL SCIENCE FOUNDATION	57,760	18,018
National Science Foundation	Direct	47.074	1946445	NATIONAL SCIENCE FOUNDATION	164,292	97,049
National Science Foundation	Direct	47.074	1949911	NATIONAL SCIENCE FOUNDATION	97,084	-
National Science Foundation	Direct	47.074	1950080	NATIONAL SCIENCE FOUNDATION	197,070	-
National Science Foundation	Direct	47.074	1950376	NATIONAL SCIENCE FOUNDATION	307,589	26,042
National Science Foundation	Direct	47.074	1950376	NATIONAL SCIENCE FOUNDATION	30,195	-
National Science Foundation	Direct	47.074	1950376	NATIONAL SCIENCE FOUNDATION	25,501	-
National Science Foundation	Direct	47.074	1950376	NATIONAL SCIENCE FOUNDATION	7,242	-
National Science Foundation	Direct	47.074	1950376	NATIONAL SCIENCE FOUNDATION	1,706	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
National Science Foundation	Direct	47.074	1951025	NATIONAL SCIENCE FOUNDATION	\$ 66,387	\$ 36,984
National Science Foundation	Direct	47.074	1951307	NATIONAL SCIENCE FOUNDATION	218,809	92,201
National Science Foundation	Direct	47.074	1953014	NATIONAL SCIENCE FOUNDATION	191,758	-
National Science Foundation	Direct	47.074	1954406	NATIONAL SCIENCE FOUNDATION	63,264	-
National Science Foundation	Direct	47.074	2015843	NATIONAL SCIENCE FOUNDATION	85,871	-
National Science Foundation	Direct	47.074	2015843	NATIONAL SCIENCE FOUNDATION	20,083	-
National Science Foundation	Direct	47.074	2016437	NATIONAL SCIENCE FOUNDATION	30,590	-
National Science Foundation	Direct	47.074	2016437	NATIONAL SCIENCE FOUNDATION	28,167	-
National Science Foundation	Direct	47.074	2016569	NATIONAL SCIENCE FOUNDATION	154,621	14,024
National Science Foundation	Direct	47.074	2016569	NATIONAL SCIENCE FOUNDATION	45,519	23,965
National Science Foundation	Direct	47.074	2018296	NATIONAL SCIENCE FOUNDATION	45,351	-
National Science Foundation	Direct	47.074	2022495	NATIONAL SCIENCE FOUNDATION	316,716	-
National Science Foundation	Direct	47.074	2022495	NATIONAL SCIENCE FOUNDATION	4,115	-
National Science Foundation	Direct	47.074	2029216	NATIONAL SCIENCE FOUNDATION	382,754	52,530
National Science Foundation	Direct	47.074	2029959	NATIONAL SCIENCE FOUNDATION	732,434	-
National Science Foundation	Direct	47.074	2030337	NATIONAL SCIENCE FOUNDATION	193,882	-
National Science Foundation	Direct	47.074	2034631	NATIONAL SCIENCE FOUNDATION	189,071	-
National Science Foundation	Direct	47.074	2035472	NATIONAL SCIENCE FOUNDATION	126,681	-
National Science Foundation	Direct	47.074	2042908	NATIONAL SCIENCE FOUNDATION	125,144	-
National Science Foundation	Direct	47.074	2044253	NATIONAL SCIENCE FOUNDATION	5,426	-
National Science Foundation	Direct	47.074	2044818	NATIONAL SCIENCE FOUNDATION	21,224	-
National Science Foundation	Direct	47.074	2045651	NATIONAL SCIENCE FOUNDATION	86,860	-
National Science Foundation	Direct	47.074	2051885	NATIONAL SCIENCE FOUNDATION	300,375	-
National Science Foundation	Direct	47.074	2054773	NATIONAL SCIENCE FOUNDATION	83,495	-
National Science Foundation	Direct	47.074	2107215	NATIONAL SCIENCE FOUNDATION	73,519	-
National Science Foundation	Direct	47.074	2107215	NATIONAL SCIENCE FOUNDATION	43,457	-
National Science Foundation	Direct	47.074	2107215	NATIONAL SCIENCE FOUNDATION	1,043	-
National Science Foundation	Direct	47.074	2124800	NATIONAL SCIENCE FOUNDATION	33,974	-
National Science Foundation	Direct	47.074	2125104	NATIONAL SCIENCE FOUNDATION	28,835	-
National Science Foundation	Direct	47.074	2127743	NATIONAL SCIENCE FOUNDATION	196,580	-
National Science Foundation	Direct	47.074	2133544	NATIONAL SCIENCE FOUNDATION	7,210	3,465
National Science Foundation	Direct	47.074	2143267	NATIONAL SCIENCE FOUNDATION	121,947	-
National Science Foundation	Direct	47.074	2144121	NATIONAL SCIENCE FOUNDATION	14,752	-
National Science Foundation	Direct	47.074	2148206	NATIONAL SCIENCE FOUNDATION	443	-
National Science Foundation	Direct	47.074	2148206	NATIONAL SCIENCE FOUNDATION	8,889	-
National Science Foundation	Direct	47.074	2150104	NATIONAL SCIENCE FOUNDATION	64,680	-
National Science Foundation	Direct	47.074	2150104	NATIONAL SCIENCE FOUNDATION	6,515	-
National Science Foundation	Direct	47.074	2212082	NATIONAL SCIENCE FOUNDATION	5,915	-
National Science Foundation	Direct	47.074	2221007	NATIONAL SCIENCE FOUNDATION	11,050	-
National Science Foundation	Direct	47.074	2227090	NATIONAL SCIENCE FOUNDATION	19,727	-
National Science Foundation	Direct	47.074	DBI-1846913	NATIONAL SCIENCE FOUNDATION	82,357	-
National Science Foundation	Direct	47.074	DEB-1354414	NATIONAL SCIENCE FOUNDATION	99,260	38,043
National Science Foundation	Direct	47.074	DEB-1552197	NATIONAL SCIENCE FOUNDATION	87,013	-
National Science Foundation	Direct	47.074	DEB-1552197	NATIONAL SCIENCE FOUNDATION	14,915	-
National Science Foundation	Direct	47.074	DEB-1937699	NATIONAL SCIENCE FOUNDATION	92,061	-
National Science Foundation	Direct	47.074	DEB-1937699	NATIONAL SCIENCE FOUNDATION	1,500	-
National Science Foundation	Direct	47.074	DEB-1937699	NATIONAL SCIENCE FOUNDATION	939	-
National Science Foundation	Direct	47.074	IOS-1350772	NATIONAL SCIENCE FOUNDATION	2,707	-
National Science Foundation	Direct	47.074	IOS-1350772	NATIONAL SCIENCE FOUNDATION	(11)	-
National Science Foundation	Direct	47.074	IOS-1444999	NATIONAL SCIENCE FOUNDATION	7,526	7,526
National Science Foundation	Direct	47.074	IOS-1847193	NATIONAL SCIENCE FOUNDATION	10,672	-
National Science Foundation	Direct	47.074	IOS-1929982	NATIONAL SCIENCE FOUNDATION	1,212	-
National Science Foundation	Direct	47.074	IOS-1929982	NATIONAL SCIENCE FOUNDATION	(3,409)	-
National Science Foundation	Direct	47.074	MCB-1515002	NATIONAL SCIENCE FOUNDATION	39,939	-
National Science Foundation	Direct	47.074	MCB-1515002	NATIONAL SCIENCE FOUNDATION	416	-
National Science Foundation	Direct	47.074	2016347	NATIONAL SCIENCE FOUNDATION	1,316	-
National Science Foundation	Direct	47.075	1560846	NATIONAL SCIENCE FOUNDATION	24,974	-
National Science Foundation	Direct	47.075	1654929	NATIONAL SCIENCE FOUNDATION	32,794	-
National Science Foundation	Direct	47.075	1734063	NATIONAL SCIENCE FOUNDATION	28,982	-
National Science Foundation	Direct	47.075	1734063	NATIONAL SCIENCE FOUNDATION	534	-
National Science Foundation	Direct	47.075	1756092	NATIONAL SCIENCE FOUNDATION	97,402	-
National Science Foundation	Direct	47.075	1759528	NATIONAL SCIENCE FOUNDATION	17,918	-
National Science Foundation	Direct	47.075	1823889	NATIONAL SCIENCE FOUNDATION	69,091	28,290
National Science Foundation	Direct	47.075	1826773	NATIONAL SCIENCE FOUNDATION	8,987	-
National Science Foundation	Direct	47.075	1829111	NATIONAL SCIENCE FOUNDATION	112,229	-
National Science Foundation	Direct	47.075	1904083	NATIONAL SCIENCE FOUNDATION	6,736	-
National Science Foundation	Direct	47.075	1918411	NATIONAL SCIENCE FOUNDATION	1,778	-
National Science Foundation	Direct	47.075	1920557-SES	NATIONAL SCIENCE FOUNDATION	56,894	-
National Science Foundation	Direct	47.075	1946678	NATIONAL SCIENCE FOUNDATION	132	84
National Science Foundation	Direct	47.075	1949063	NATIONAL SCIENCE FOUNDATION	197,990	-
National Science Foundation	Direct	47.075	2016320	NATIONAL SCIENCE FOUNDATION	66,275	-
National Science Foundation	Direct	47.075	2017180	NATIONAL SCIENCE FOUNDATION	44,357	-
National Science Foundation	Direct	47.075	2017311	NATIONAL SCIENCE FOUNDATION	(687)	-
National Science Foundation	Direct	47.075	2018267	NATIONAL SCIENCE FOUNDATION	372	-
National Science Foundation	Direct	47.075	2019995	NATIONAL SCIENCE FOUNDATION	60,224	-
National Science Foundation	Direct	47.075	2020825	NATIONAL SCIENCE FOUNDATION	66,708	-
National Science Foundation	Direct	47.075	2024238	NATIONAL SCIENCE FOUNDATION	101,782	-
National Science Foundation	Direct	47.075	2029633	NATIONAL SCIENCE FOUNDATION	1,516	-
National Science Foundation	Direct	47.075	2039814	NATIONAL SCIENCE FOUNDATION	44,744	-
National Science Foundation	Direct	47.075	2040257	NATIONAL SCIENCE FOUNDATION	219	-
National Science Foundation	Direct	47.075	2041242	NATIONAL SCIENCE FOUNDATION	151,723	-
National Science Foundation	Direct	47.075	2048562	NATIONAL SCIENCE FOUNDATION	16,128	-
National Science Foundation	Direct	47.075	2049358	NATIONAL SCIENCE FOUNDATION	23,475	-
National Science Foundation	Direct	47.075	2119975	NATIONAL SCIENCE FOUNDATION	53,359	-
National Science Foundation	Direct	47.075	2119975	NATIONAL SCIENCE FOUNDATION	8,895	-
National Science Foundation	Direct	47.075	2124739	NATIONAL SCIENCE FOUNDATION	66,312	-
National Science Foundation	Direct	47.075	2128803	NATIONAL SCIENCE FOUNDATION	164,613	-
National Science Foundation	Direct	47.075	2140704	NATIONAL SCIENCE FOUNDATION	6,667	-
National Science Foundation	Direct	47.075	BCS-1656133	NATIONAL SCIENCE FOUNDATION	5,265	-
National Science Foundation	Direct	47.075	BCS-1848972	NATIONAL SCIENCE FOUNDATION	105,763	-
National Science Foundation	Direct	47.075	BCS-1900108	NATIONAL SCIENCE FOUNDATION	12,616	-
National Science Foundation	Direct	47.075	COVID-19 - 2028409	NATIONAL SCIENCE FOUNDATION	43,533	8,470
National Science Foundation	Direct	47.075	COVID-19 - 2120530	NATIONAL SCIENCE FOUNDATION	68,676	-
National Science Foundation	Direct	47.075	SES-1449466	NATIONAL SCIENCE FOUNDATION	4,387	1,000
National Science Foundation	Direct	47.075	SES-1815928	NATIONAL SCIENCE FOUNDATION	7,244	2,244
National Science Foundation	Direct	47.075	SES-1920409	NATIONAL SCIENCE FOUNDATION	136,277	-
National Science Foundation	Direct	47.075	2120500	NATIONAL SCIENCE FOUNDATION	3,552	-
National Science Foundation	Direct	47.076	1417672	NATIONAL SCIENCE FOUNDATION	15,156	-
National Science Foundation	Direct	47.076	1440988	NATIONAL SCIENCE FOUNDATION	90,708	14,703
National Science Foundation	Direct	47.076	1440988	NATIONAL SCIENCE FOUNDATION	(1)	-
National Science Foundation	Direct	47.076	1503211	NATIONAL SCIENCE FOUNDATION	16,501	-
National Science Foundation	Direct	47.076	1503211	NATIONAL SCIENCE FOUNDATION	(1,657)	-
National Science Foundation	Direct	47.076	1561122	NATIONAL SCIENCE FOUNDATION	(19,713)	-
National Science Foundation	Direct	47.076	1561159	NATIONAL SCIENCE FOUNDATION	39,607	13,230
National Science Foundation	Direct	47.076	1567474	NATIONAL SCIENCE FOUNDATION	13,272	-
National Science Foundation	Direct	47.076	1620580	NATIONAL SCIENCE FOUNDATION	330,456	-
National Science Foundation	Direct	47.076	1620746	NATIONAL SCIENCE FOUNDATION	134,090	-
National Science Foundation	Direct	47.076	1620746	NATIONAL SCIENCE FOUNDATION	1,840	-
National Science Foundation	Direct	47.076	1620934	NATIONAL SCIENCE FOUNDATION	252,448	-
National Science Foundation	Direct	47.076	1620934	NATIONAL SCIENCE FOUNDATION	35,226	-
National Science Foundation	Direct	47.076	1623824	NATIONAL SCIENCE FOUNDATION	11,790	-
National Science Foundation	Direct	47.076	1643723	NATIONAL SCIENCE FOUNDATION	86,900	-
National Science Foundation	Direct	47.076	1643723	NATIONAL SCIENCE FOUNDATION	83,000	-
National Science Foundation	Direct	47.076	1643833	NATIONAL SCIENCE FOUNDATION	169,000	-
National Science Foundation	Direct	47.076	1643833	NATIONAL SCIENCE FOUNDATION	48,877	-
National Science Foundation	Direct	47.076	1648669	NATIONAL SCIENCE FOUNDATION	10,141	-
National Science Foundation	Direct	47.076	1660643	NATIONAL SCIENCE FOUNDATION	156,975	-
National Science Foundation	Direct	47.076	1661064	NATIONAL SCIENCE FOUNDATION	7,237	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
National Science Foundation	Direct	47.076	1702592	NATIONAL SCIENCE FOUNDATION	\$ 18,518	\$ -
National Science Foundation	Direct	47.076	1708506	NATIONAL SCIENCE FOUNDATION	(715)	(715)
National Science Foundation	Direct	47.076	1708664	NATIONAL SCIENCE FOUNDATION	4,846	-
National Science Foundation	Direct	47.076	1713060	NATIONAL SCIENCE FOUNDATION	217,710	52,655
National Science Foundation	Direct	47.076	1715197	NATIONAL SCIENCE FOUNDATION	6,080	-
National Science Foundation	Direct	47.076	1725320	NATIONAL SCIENCE FOUNDATION	244,249	69,266
National Science Foundation	Direct	47.076	1725520	NATIONAL SCIENCE FOUNDATION	165,737	-
National Science Foundation	Direct	47.076	1725521	NATIONAL SCIENCE FOUNDATION	38,493	-
National Science Foundation	Direct	47.076	1725910	NATIONAL SCIENCE FOUNDATION	72,778	-
National Science Foundation	Direct	47.076	1725956	NATIONAL SCIENCE FOUNDATION	114,176	-
National Science Foundation	Direct	47.076	1741575	NATIONAL SCIENCE FOUNDATION	224,364	30,496
National Science Foundation	Direct	47.076	1741575	NATIONAL SCIENCE FOUNDATION	7,500	-
National Science Foundation	Direct	47.076	1742381	NATIONAL SCIENCE FOUNDATION	564,304	438,575
National Science Foundation	Direct	47.076	1742381	NATIONAL SCIENCE FOUNDATION	72,250	-
National Science Foundation	Direct	47.076	1811855	NATIONAL SCIENCE FOUNDATION	65,467	-
National Science Foundation	Direct	47.076	1813047	NATIONAL SCIENCE FOUNDATION	331,744	-
National Science Foundation	Direct	47.076	1835946	NATIONAL SCIENCE FOUNDATION	88,364	9,479
National Science Foundation	Direct	47.076	1835946	NATIONAL SCIENCE FOUNDATION	130	-
National Science Foundation	Direct	47.076	1842037	NATIONAL SCIENCE FOUNDATION	383,683	-
National Science Foundation	Direct	47.076	1842037	NATIONAL SCIENCE FOUNDATION	2,298	-
National Science Foundation	Direct	47.076	1848739	NATIONAL SCIENCE FOUNDATION	1,201,333	-
National Science Foundation	Direct	47.076	1907506	NATIONAL SCIENCE FOUNDATION	363,402	9,622
National Science Foundation	Direct	47.076	1907506	NATIONAL SCIENCE FOUNDATION	16,369	-
National Science Foundation	Direct	47.076	1908084	NATIONAL SCIENCE FOUNDATION	36,673	7,571
National Science Foundation	Direct	47.076	1908084	NATIONAL SCIENCE FOUNDATION	114,225	-
National Science Foundation	Direct	47.076	1908165	NATIONAL SCIENCE FOUNDATION	30,077	-
National Science Foundation	Direct	47.076	1914722	NATIONAL SCIENCE FOUNDATION	50,337	-
National Science Foundation	Direct	47.076	1933933	NATIONAL SCIENCE FOUNDATION	238,354	86,361
National Science Foundation	Direct	47.076	1933933	NATIONAL SCIENCE FOUNDATION	23,379	-
National Science Foundation	Direct	47.076	1951767	NATIONAL SCIENCE FOUNDATION	70,341	-
National Science Foundation	Direct	47.076	2000021	NATIONAL SCIENCE FOUNDATION	121,620	-
National Science Foundation	Direct	47.076	2000605	NATIONAL SCIENCE FOUNDATION	48,753	-
National Science Foundation	Direct	47.076	2012014	NATIONAL SCIENCE FOUNDATION	64,579	-
National Science Foundation	Direct	47.076	2012933	NATIONAL SCIENCE FOUNDATION	48,438	-
National Science Foundation	Direct	47.076	2013144	NATIONAL SCIENCE FOUNDATION	117,643	90,890
National Science Foundation	Direct	47.076	2013286	NATIONAL SCIENCE FOUNDATION	38,453	-
National Science Foundation	Direct	47.076	2013359	NATIONAL SCIENCE FOUNDATION	15,984	-
National Science Foundation	Direct	47.076	2020195	NATIONAL SCIENCE FOUNDATION	43,066	-
National Science Foundation	Direct	47.076	2020221	NATIONAL SCIENCE FOUNDATION	139,791	-
National Science Foundation	Direct	47.076	2025244	NATIONAL SCIENCE FOUNDATION	61,399	-
National Science Foundation	Direct	47.076	2055322	NATIONAL SCIENCE FOUNDATION	164,788	-
National Science Foundation	Direct	47.076	2100964	NATIONAL SCIENCE FOUNDATION	136,387	-
National Science Foundation	Direct	47.076	2111403	NATIONAL SCIENCE FOUNDATION	24,121	-
National Science Foundation	Direct	47.076	2115522	NATIONAL SCIENCE FOUNDATION	71,239	-
National Science Foundation	Direct	47.076	2129892	NATIONAL SCIENCE FOUNDATION	37,564	-
National Science Foundation	Direct	47.076	2138058	NATIONAL SCIENCE FOUNDATION	8,474	-
National Science Foundation	Direct	47.076	COVID-19 - 2007842	NATIONAL SCIENCE FOUNDATION	396,031	363,783
National Science Foundation	Direct	47.076	COVID-19 - 2007842	NATIONAL SCIENCE FOUNDATION	3,049	-
National Science Foundation	Direct	47.076	COVID-19 - 2100990	NATIONAL SCIENCE FOUNDATION	175,417	94,505
National Science Foundation	Direct	47.076	COVID-19 - 2100990	NATIONAL SCIENCE FOUNDATION	200	-
National Science Foundation	Direct	47.076	DGE-1828149	NATIONAL SCIENCE FOUNDATION	613,567	-
National Science Foundation	Direct	47.076	DGE-1828149	NATIONAL SCIENCE FOUNDATION	40,729	5,561
National Science Foundation	Direct	47.076	DGE-1828149	NATIONAL SCIENCE FOUNDATION	93,067	36,967
National Science Foundation	Direct	47.076	DRL-1660926	NATIONAL SCIENCE FOUNDATION	85,306	57,034
National Science Foundation	Direct	47.076	DUE-0335785	NATIONAL SCIENCE FOUNDATION	22,221	-
National Science Foundation	Direct	47.076	DUE-1323162	NATIONAL SCIENCE FOUNDATION	108,185	26,770
National Science Foundation	Direct	47.076	DUE-1340048	NATIONAL SCIENCE FOUNDATION	28,203	-
National Science Foundation	Direct	47.076	DUE-1340048	NATIONAL SCIENCE FOUNDATION	24,815	-
National Science Foundation	Direct	47.076	DUE-1432563	NATIONAL SCIENCE FOUNDATION	261,894	-
National Science Foundation	Direct	47.076	DUE-1432563	NATIONAL SCIENCE FOUNDATION	23,314	-
National Science Foundation	Direct	47.076	DUE-1913698	NATIONAL SCIENCE FOUNDATION	108,974	56,905
National Science Foundation	Direct	47.076	FELLOWSHIPS	NATIONAL SCIENCE FOUNDATION	481,530	-
National Science Foundation	Direct	47.078	2033507	NATIONAL SCIENCE FOUNDATION	199,087	-
National Science Foundation	Direct	47.079	1827093	NATIONAL SCIENCE FOUNDATION	46,833	-
National Science Foundation	Direct	47.079	1827093	NATIONAL SCIENCE FOUNDATION	37,431	-
National Science Foundation	Direct	47.079	1853934	NATIONAL SCIENCE FOUNDATION	29,734	-
National Science Foundation	Direct	47.079	1853934	NATIONAL SCIENCE FOUNDATION	17,674	-
National Science Foundation	Direct	47.079	1927130	NATIONAL SCIENCE FOUNDATION	104,217	3,486
National Science Foundation	Direct	47.079	1927130	NATIONAL SCIENCE FOUNDATION	16,057	-
National Science Foundation	Direct	47.079	1952438	NATIONAL SCIENCE FOUNDATION	12,980	-
National Science Foundation	Direct	47.079	2040027	NATIONAL SCIENCE FOUNDATION	57,081	-
National Science Foundation	Direct	47.079	2135564	NATIONAL SCIENCE FOUNDATION	53,093	-
National Science Foundation	Direct	47.079	OISE-1545684	NATIONAL SCIENCE FOUNDATION	89,378	-
National Science Foundation	Direct	47.079	OISE-1545684	NATIONAL SCIENCE FOUNDATION	1,689	-
National Science Foundation	Direct	47.079	OISE-1545684	NATIONAL SCIENCE FOUNDATION	(2)	-
National Science Foundation	Direct	47.083	1934348	NATIONAL SCIENCE FOUNDATION	63,877	-
National Science Foundation	Direct	47.083	1934348	NATIONAL SCIENCE FOUNDATION	2,470	-
National Science Foundation	Direct	47.083	1936857	NATIONAL SCIENCE FOUNDATION	27,781	-
National Science Foundation	Direct	47.083	1954196	NATIONAL SCIENCE FOUNDATION	3,090	-
National Science Foundation	Direct	47.083	2020790	NATIONAL SCIENCE FOUNDATION	430,275	-
National Science Foundation	Direct	47.083	2114321	NATIONAL SCIENCE FOUNDATION	140,570	-
National Science Foundation	Direct	47.083	2119916	NATIONAL SCIENCE FOUNDATION	79,121	-
National Science Foundation	Direct	47.083	2137766	NATIONAL SCIENCE FOUNDATION	364,826	35,273
	<b>Direct Total</b>				<b>61,768,715</b>	<b>4,853,631</b>
National Science Foundation	Pass-through	47.RD	2020-09-01	NORTH DAKOTA STATE UNIV	67	-
National Science Foundation	Pass-through	47.041	2	IASO THERAPEUTICS INC	1,599	-
National Science Foundation	Pass-through	47.041	S1863P-B	OREGON STATE UNIV	30,132	-
National Science Foundation	Pass-through	47.041	97055-23714201	UNIVERSITY OF MARYLAND	77,910	-
National Science Foundation	Pass-through	47.041	445526-19057	VIRGINIA TECH	39,061	-
National Science Foundation	Pass-through	47.041	140486 SPC003733	WASHINGTON STATE UNIV	11,694	-
National Science Foundation	Pass-through	47.049	401995-5801	COLORADO SCHOOL OF MINES	18,628	-
National Science Foundation	Pass-through	47.049	20(GO16228)	COLUMBIA UNIV	57,397	-
National Science Foundation	Pass-through	47.049	21(GO16228)	COLUMBIA UNIV	293,434	-
National Science Foundation	Pass-through	47.049	22(GO16228)	COLUMBIA UNIV	12,789	-
National Science Foundation	Pass-through	47.049	23(GO16228)	COLUMBIA UNIV	90,763	-
National Science Foundation	Pass-through	47.049	38(GO16228)	COLUMBIA UNIV	16,598	-
National Science Foundation	Pass-through	47.049	2003349346	JOHNS HOPKINS UNIV	1,166	-
National Science Foundation	Pass-through	47.049	60051551 MSU	NORTHWESTERN UNIV	38,504	-
National Science Foundation	Pass-through	47.049	1934451	RICE UNIV	39,990	-
National Science Foundation	Pass-through	47.049	76749/11366522 M&O	THE RESEARCH FOUNDATION FOR THE STATE UNIV OF NEW YORK	371,161	-
National Science Foundation	Pass-through	47.049	096721-18001	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	93,996	-
National Science Foundation	Pass-through	47.049	3004423504	UNIVERSITY OF MICHIGAN	314,603	-
National Science Foundation	Pass-through	47.049	SUB800017480	UNIVERSITY OF MICHIGAN	88,574	-
National Science Foundation	Pass-through	47.049	0000000295	UNIVERSITY OF WISCONSIN MADISON	226,425	-
National Science Foundation	Pass-through	47.049	855K805	UNIVERSITY OF WISCONSIN MADISON	465,193	-
National Science Foundation	Pass-through	47.049	0001	WITTENBERG UNIVERSITY	24,677	-
National Science Foundation	Pass-through	47.050	10010192-MSU01	BOWLING GREEN STATE UNIVERSITY	116,336	-
National Science Foundation	Pass-through	47.050	021665C	IOWA STATE UNIV	9,651	-
National Science Foundation	Pass-through	47.050	MSI-MSF-CALMV	NORTHERN MICHIGAN UNIV	7,456	-
National Science Foundation	Pass-through	47.050	UIAF 19-0083	UNIVERSITY OF ALASKA	134,133	-
National Science Foundation	Pass-through	47.050	AWD100221 (SUB00000492)	UNIVERSITY OF CHICAGO	157,592	122,143
National Science Foundation	Pass-through	47.070	IP 492970	CLARKSON UNIV	1,976	-
National Science Foundation	Pass-through	47.070	2021CF-Michigan State-42	COMPUTING RESEARCH ASSOC	60,070	-
National Science Foundation	Pass-through	47.070	024703A	IOWA STATE UNIV	12,021	-
National Science Foundation	Pass-through	47.070	UT21727	OHIO UNIV	136,690	-
National Science Foundation	Pass-through	47.070	UT21727	OHIO UNIV	86,639	-
National Science Foundation	Pass-through	47.070	00010609	UNIVERSITY OF CALIFORNIA BERKELEY	24,278	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
National Science Foundation	Pass-through	47.070	106203-18638	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	\$ 30,717	\$ -
National Science Foundation	Pass-through	47.070	3003646555	UNIVERSITY OF MICHIGAN	27,905	-
National Science Foundation	Pass-through	47.070	3003646555	UNIVERSITY OF MICHIGAN	6,043	-
National Science Foundation	Pass-through	47.070	203405437	UNIVERSITY OF WISCONSIN MILWAUKEE	174,568	-
National Science Foundation	Pass-through	47.070	16-800-MSU-2	WEST VIRGINIA UNIV	41,941	-
National Science Foundation	Pass-through	47.070	16-800-MSU-3	WEST VIRGINIA UNIV	26,260	-
National Science Foundation	Pass-through	47.070	16-800-MSU-4	WEST VIRGINIA UNIV	47,713	-
National Science Foundation	Pass-through	47.070	16-800-MSU-5	WEST VIRGINIA UNIV	14,674	-
National Science Foundation	Pass-through	47.070	16-800-MSU-6	WEST VIRGINIA UNIV	17,656	-
National Science Foundation	Pass-through	47.070	16-800-MSU-8	WEST VIRGINIA UNIV	10	-
National Science Foundation	Pass-through	47.070	16-800-MSU-1	WEST VIRGINIA UNIVERSITY RESEARCH CORP	15,774	-
National Science Foundation	Pass-through	47.074	50124-1-FDP	FIELD MUSEUM	7	-
National Science Foundation	Pass-through	47.074	50130-1-FDP	FIELD MUSEUM	15,170	-
National Science Foundation	Pass-through	47.074	eRS#RD42271	SAINT LOUIS UNIV	61,997	61,881
National Science Foundation	Pass-through	47.074	SUB00002642	UNIVERSITY OF GEORGIA	78,891	-
National Science Foundation	Pass-through	47.074	SUB00002646-0A	UNIVERSITY OF GEORGIA	32,359	-
National Science Foundation	Pass-through	47.074	SUBK00008579	UNIVERSITY OF MICHIGAN	78,397	-
National Science Foundation	Pass-through	47.074	P007914603	UNIVERSITY OF MINNESOTA	164,607	-
National Science Foundation	Pass-through	47.074	UNR 17-21	UNIVERSITY OF NEVADA RENO	14,048	-
National Science Foundation	Pass-through	47.074	A18-0247-5001	UNIVERSITY OF TENNESSEE KNOXVILLE	10,750	-
National Science Foundation	Pass-through	47.075	2224-206-2014060	CLEMSON UNIV	278,796	-
National Science Foundation	Pass-through	47.075	8685	INDIANA UNIV	59,747	-
National Science Foundation	Pass-through	47.075	MSU-NSF-Forest Fuels	NORTHERN MICHIGAN UNIV	22,983	-
National Science Foundation	Pass-through	47.075	A19-0386-5001	UNIVERSITY OF ALABAMA	11,300	-
National Science Foundation	Pass-through	47.075	SUB00004281	UNIVERSITY OF ALABAMA	15,230	-
National Science Foundation	Pass-through	47.075	LTA20-000898	UNIVERSITY OF TEXAS AT AUSTIN	(250)	-
National Science Foundation	Pass-through	47.076	9109-0003	ASSOCIATED UNIVERSITIES INC	135,391	-
National Science Foundation	Pass-through	47.076	343.20-01	CONCORD CONSORTIUM	(282)	-
National Science Foundation	Pass-through	47.076	RG2003-3210	EASTERN MICHIGAN UNIV	28,496	-
National Science Foundation	Pass-through	47.076	3004280408	IOWA STATE UNIV	295	-
National Science Foundation	Pass-through	47.076	16043-003	MISSOURI STATE UNIV	18,370	-
National Science Foundation	Pass-through	47.076	1561027	UNIVERSITY OF COLORADO BOULDER	25,819	-
National Science Foundation	Pass-through	47.076	3004280408	UNIVERSITY OF MICHIGAN	41,127	-
National Science Foundation	Pass-through	47.076	3004280408	UNIVERSITY OF MICHIGAN	17,626	-
National Science Foundation	Pass-through	47.076	SUBK00012102	UNIVERSITY OF MICHIGAN	6,733	-
National Science Foundation	Pass-through	47.076	SUBK00012198	UNIVERSITY OF MICHIGAN	19,384	-
National Science Foundation	Pass-through	47.076	SUBK00014598	UNIVERSITY OF MICHIGAN	29,819	-
National Science Foundation	Pass-through	47.076	IP 592132	UNIVERSITY OF UTAH	18	-
National Science Foundation	Pass-through	47.076	856K424	UNIVERSITY OF WISCONSIN	25,351	-
National Science Foundation	Pass-through	47.076	0000004028	UNIVERSITY OF WISCONSIN MADISON	20,390	-
National Science Foundation	Pass-through	47.076	782K493	UNIVERSITY OF WISCONSIN MADISON	8,440	-
National Science Foundation	Pass-through	47.076	OSA00000030	VANDERBILT UNIV	60,668	-
National Science Foundation	Pass-through	47.076	003	WESTMINSTER COLLEGE	4,698	-
National Science Foundation	Pass-through	47.076	0000001309	UNIVERSITY OF WISCONSIN MADISON	52,704	-
National Science Foundation	Pass-through	47.083	80078965	OHIO STATE UNIV	82,450	-
National Science Foundation	Pass-through	47.083	GR125363/SPC-1000005873	OHIO STATE UNIV	32,212	-
National Science Foundation	Pass-through	47.083	KK2030	UNIVERSITY OF CALIFORNIA SANTA BARBARA	3,027	-
National Science Foundation	Pass-through	47.083	KK2116	UNIVERSITY OF CALIFORNIA SANTA BARBARA	196,534	-
National Science Foundation	Pass-through	47.084	IP 00549359	DATASHAPES LLC	1,408	-
<b>Pass-through Total</b>					<b>5,378,954</b>	<b>184,024</b>
<b>National Science Foundation Total</b>					<b>67,147,669</b>	<b>5,037,655</b>
Office of the Director of National Intelligence	Direct	54.RD	2022-2110210004	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	719,072	59,951
<b>Office of the Director of National Intelligence Total</b>					<b>719,072</b>	<b>59,951</b>
Environmental Protection Agency	Direct	66.466	96373801	US ENVIRONMENTAL PROTECTION AGENCY	140,972	-
Environmental Protection Agency	Direct	66.469	00E02802	US ENVIRONMENTAL PROTECTION AGENCY	194,734	134,353
Environmental Protection Agency	Direct	66.509	83579801	US ENVIRONMENTAL PROTECTION AGENCY	6	2,451
Environmental Protection Agency	Direct	66.509	83616801	US ENVIRONMENTAL PROTECTION AGENCY	143,496	-
Environmental Protection Agency	Direct	66.511	84032001	US ENVIRONMENTAL PROTECTION AGENCY	54,912	-
Environmental Protection Agency	Direct	66.516	83983001	US ENVIRONMENTAL PROTECTION AGENCY	96	-
Environmental Protection Agency	Direct	66.516	84038201	US ENVIRONMENTAL PROTECTION AGENCY	4,876	-
<b>Direct Total</b>					<b>539,092</b>	<b>136,804</b>
Environmental Protection Agency	Pass-through	66.469	564335	CENTRAL MICHIGAN UNIV	(4)	-
Environmental Protection Agency	Pass-through	66.469	19000001785	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	741	-
Environmental Protection Agency	Pass-through	66.469	2020-2510	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	409,743	-
Environmental Protection Agency	Pass-through	66.469	IP00569223	VAN BUREN CONSERVATION DISTRICT	6,374	-
Environmental Protection Agency	Pass-through	66.509	TUL-H5C-559593-2122	THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND	13,701	-
Environmental Protection Agency	Pass-through	66.511	401576-5802	COLORADO SCHOOL OF MINES	116,115	-
Environmental Protection Agency	Pass-through	66.511	4109-79628	PURDUE UNIV	57,650	-
Environmental Protection Agency	Pass-through	66.511	4109-79628	PURDUE UNIV	17,208	-
<b>Pass-through Total</b>					<b>621,528</b>	<b>-</b>
<b>Environmental Protection Agency Total</b>					<b>1,160,620</b>	<b>136,804</b>
US Dept of Energy	Direct	81.RD	682023	FERMILAB NATIONAL ACCELERATOR LABORATORY	5,097	-
US Dept of Energy	Direct	81.RD	IP 571335	LAWRENCE LIVERMORE NATIONAL LABORATORY	43,860	-
US Dept of Energy	Direct	81.049	DE-FG02-91ER20021	US DEPT OF ENERGY	2,566	-
US Dept of Energy	Direct	81.049	DE-SC0000661	US DEPT OF ENERGY	5,000	-
US Dept of Energy	Direct	81.049	DE-FG02-01ER15228	US DEPT OF ENERGY	121,080	-
US Dept of Energy	Direct	81.049	DE-FG02-01ER15282	US DEPT OF ENERGY	143,791	-
US Dept of Energy	Direct	81.049	DE-FG02-03ER41259	US DEPT OF ENERGY	67,393	-
US Dept of Energy	Direct	81.049	DE-FG02-06ER15808	US DEPT OF ENERGY	8,782	-
US Dept of Energy	Direct	81.049	DE-FG02-06ER46309	US DEPT OF ENERGY	224,749	-
US Dept of Energy	Direct	81.049	DE-FG02-91ER20021	US DEPT OF ENERGY	3,610,559	-
US Dept of Energy	Direct	81.049	DE-SC0000661	US DEPT OF ENERGY	59,454,653	529,766
US Dept of Energy	Direct	81.049	DE-SC0000661	US DEPT OF ENERGY	25,457,962	-
US Dept of Energy	Direct	81.049	DE-SC0000661	US DEPT OF ENERGY	1,305,152	-
US Dept of Energy	Direct	81.049	DE-SC0001525	US DEPT OF ENERGY	179,607	-
US Dept of Energy	Direct	81.049	DE-SC0002325	US DEPT OF ENERGY	98,713	-
US Dept of Energy	Direct	81.049	DE-SC0007101	US DEPT OF ENERGY	286,021	-
US Dept of Energy	Direct	81.049	DE-SC0010847	US DEPT OF ENERGY	147,968	-
US Dept of Energy	Direct	81.049	DE-SC0013365	US DEPT OF ENERGY	243,209	-
US Dept of Energy	Direct	81.049	DE-SC0013365	US DEPT OF ENERGY	165,892	-
US Dept of Energy	Direct	81.049	DE-SC0013617	US DEPT OF ENERGY	649,147	295,821
US Dept of Energy	Direct	81.049	DE-SC0013617	US DEPT OF ENERGY	25,862	-
US Dept of Energy	Direct	81.049	DE-SC0014108	US DEPT OF ENERGY	324,348	131,937
US Dept of Energy	Direct	81.049	DE-SC0014108	US DEPT OF ENERGY	281,637	-
US Dept of Energy	Direct	81.049	DE-SC0014108	US DEPT OF ENERGY	(4,119)	-
US Dept of Energy	Direct	81.049	DE-SC0014384	US DEPT OF ENERGY	234,944	(131)
US Dept of Energy	Direct	81.049	DE-SC0015903	US DEPT OF ENERGY	183,291	-
US Dept of Energy	Direct	81.049	DE-SC0015904	US DEPT OF ENERGY	81,825	-
US Dept of Energy	Direct	81.049	DE-SC0016052	US DEPT OF ENERGY	133,929	-
US Dept of Energy	Direct	81.049	DE-SC0016804	US DEPT OF ENERGY	167,903	-
US Dept of Energy	Direct	81.049	DE-SC0016948	US DEPT OF ENERGY	174,166	-
US Dept of Energy	Direct	81.049	DE-SC0017342	US DEPT OF ENERGY	148,606	-
US Dept of Energy	Direct	81.049	DE-SC0017883	US DEPT OF ENERGY	(24,978)	31,699
US Dept of Energy	Direct	81.049	DE-SC0017887	US DEPT OF ENERGY	153,536	-
US Dept of Energy	Direct	81.049	DE-SC0017888	US DEPT OF ENERGY	8,393	-
US Dept of Energy	Direct	81.049	DE-SC0017889	US DEPT OF ENERGY	154,346	-
US Dept of Energy	Direct	81.049	DE-SC0017952	US DEPT OF ENERGY	131,631	-
US Dept of Energy	Direct	81.049	DE-SC0017955	US DEPT OF ENERGY	139,611	75,538
US Dept of Energy	Direct	81.049	DE-SC0018083	US DEPT OF ENERGY	333,128	264,503
US Dept of Energy	Direct	81.049	DE-SC0018083	US DEPT OF ENERGY	62,315	-
US Dept of Energy	Direct	81.049	DE-SC0018269	US DEPT OF ENERGY	1,063,877	768,484
US Dept of Energy	Direct	81.049	DE-SC0018269	US DEPT OF ENERGY	300,588	-
US Dept of Energy	Direct	81.049	DE-SC0018269	US DEPT OF ENERGY	277,384	-
US Dept of Energy	Direct	81.049	DE-SC0018362	US DEPT OF ENERGY	363,975	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
US Dept of Energy	Direct	81.049	DE-SC0018636	US DEPT OF ENERGY	\$ 199,514	\$ -
US Dept of Energy	Direct	81.049	DE-SC0018966	US DEPT OF ENERGY	850	-
US Dept of Energy	Direct	81.049	DE-SC0018973	US DEPT OF ENERGY	26,933	-
US Dept of Energy	Direct	81.049	DE-SC0019015	US DEPT OF ENERGY	95,880	-
US Dept of Energy	Direct	81.049	DE-SC0019072	US DEPT OF ENERGY	198,390	-
US Dept of Energy	Direct	81.049	DE-SC0019120	US DEPT OF ENERGY	145,055	-
US Dept of Energy	Direct	81.049	DE-SC0019203	US DEPT OF ENERGY	4,788	-
US Dept of Energy	Direct	81.049	DE-SC0019209	US DEPT OF ENERGY	78,314	-
US Dept of Energy	Direct	81.049	DE-SC0019252	US DEPT OF ENERGY	64,978	-
US Dept of Energy	Direct	81.049	DE-SC0019259	US DEPT OF ENERGY	97,585	-
US Dept of Energy	Direct	81.049	DE-SC0019259	US DEPT OF ENERGY	48,087	-
US Dept of Energy	Direct	81.049	DESC0019403	US DEPT OF ENERGY	79,316	-
US Dept of Energy	Direct	81.049	DE-SC0019455	US DEPT OF ENERGY	11,974	-
US Dept of Energy	Direct	81.049	DE-SC0020370	US DEPT OF ENERGY	(688)	-
US Dept of Energy	Direct	81.049	DE-SC0020371	US DEPT OF ENERGY	8,355	-
US Dept of Energy	Direct	81.049	DE-SC0020429	US DEPT OF ENERGY	81,071	-
US Dept of Energy	Direct	81.049	DE-SC0020451	US DEPT OF ENERGY	1,871,563	-
US Dept of Energy	Direct	81.049	DE-SC0020606	US DEPT OF ENERGY	257,913	-
US Dept of Energy	Direct	81.049	DE-SC0020987	US DEPT OF ENERGY	56,623	-
US Dept of Energy	Direct	81.049	DE-SC0021152	US DEPT OF ENERGY	355,390	-
US Dept of Energy	Direct	81.049	DE-SC0021193	US DEPT OF ENERGY	2,718,318	-
US Dept of Energy	Direct	81.049	DE-SC0021197	US DEPT OF ENERGY	170,937	112,593
US Dept of Energy	Direct	81.049	DE-SC0021220	US DEPT OF ENERGY	408,956	-
US Dept of Energy	Direct	81.049	DE-SC0021235	US DEPT OF ENERGY	159,335	-
US Dept of Energy	Direct	81.049	DE-SC0022076	US DEPT OF ENERGY	127,560	-
US Dept of Energy	Direct	81.049	DE-SC0021423	US DEPT OF ENERGY	165,680	-
US Dept of Energy	Direct	81.049	DE-SC0021908	US DEPT OF ENERGY	5,150	-
US Dept of Energy	Direct	81.049	DE-SC0021938	US DEPT OF ENERGY	150,920	-
US Dept of Energy	Direct	81.049	DE-SC0022075	US DEPT OF ENERGY	114,067	23,423
US Dept of Energy	Direct	81.049	DE-SC0022076	US DEPT OF ENERGY	57,139	-
US Dept of Energy	Direct	81.049	DE-SC0022299	US DEPT OF ENERGY	131,098	-
US Dept of Energy	Direct	81.057	DE-FE0031899	US DEPT OF ENERGY	85,429	-
US Dept of Energy	Direct	81.086	DE-EE0008320	US DEPT OF ENERGY	(3,160)	-
US Dept of Energy	Direct	81.086	DE-EE0008455	US DEPT OF ENERGY	259,425	-
US Dept of Energy	Direct	81.087	DE-EE0011552	US DEPT OF ENERGY	223,488	61,538
US Dept of Energy	Direct	81.087	DE-EE0008992	US DEPT OF ENERGY	816,608	377,128
US Dept of Energy	Direct	81.089	DE-FE0030977	US DEPT OF ENERGY	22,289	-
US Dept of Energy	Direct	81.089	DE-FE0031672	US DEPT OF ENERGY	158	-
US Dept of Energy	Direct	81.112	DE-NA0003885	US DEPT OF ENERGY	149,109	-
US Dept of Energy	Direct	81.112	DE-NA0003885	US DEPT OF ENERGY	83,172	-
US Dept of Energy	Direct	81.112	DE-NA0003906	US DEPT OF ENERGY	135,940	-
US Dept of Energy	Direct	81.112	DE-NA0003908	US DEPT OF ENERGY	150,138	-
US Dept of Energy	Direct	81.112	DE-NA0003908	US DEPT OF ENERGY	42,176	-
US Dept of Energy	Direct	81.112	DE-NA0003913	US DEPT OF ENERGY	172,495	-
US Dept of Energy	Direct	81.117	DE-AR0000991	US DEPT OF ENERGY	138,118	-
US Dept of Energy	Direct	81.135	DE-AR0000991	US DEPT OF ENERGY	325,672	152,725
US Dept of Energy	Direct	81.135	DE-AR0001123	US DEPT OF ENERGY	667,565	173,476
US Dept of Energy	Direct	81.135	DE-AR0001288	US DEPT OF ENERGY	334,805	-
	<b>Direct Total</b>				<b>108,412,026</b>	<b>2,995,340</b>
US Dept of Energy	Pass-through	81.RD	1F-60265	ARGONNE NATIONAL LABORATORY	17,201	-
US Dept of Energy	Pass-through	81.RD	1F-60291	ARGONNE NATIONAL LABORATORY	56,796	-
US Dept of Energy	Pass-through	81.RD	1F-60322	ARGONNE NATIONAL LABORATORY	86,149	-
US Dept of Energy	Pass-through	81.RD	1F-60428	ARGONNE NATIONAL LABORATORY	68,648	-
US Dept of Energy	Pass-through	81.RD	1F-60562	ARGONNE NATIONAL LABORATORY	45,399	-
US Dept of Energy	Pass-through	81.RD	9F-80106	ARGONNE NATIONAL LABORATORY	6,594	-
US Dept of Energy	Pass-through	81.RD	IF-80581	ARGONNE NATIONAL LABORATORY	39,406	-
US Dept of Energy	Pass-through	81.RD	344028	BROOKHAVEN NATIONAL LABORATORY	112,395	-
US Dept of Energy	Pass-through	81.RD	364776	BROOKHAVEN SCIENCE ASSOC LLC	55,321	-
US Dept of Energy	Pass-through	81.RD	Joint Aqpt Hao	BROOKHAVEN SCIENCE ASSOC LLC	158,799	-
US Dept of Energy	Pass-through	81.RD	662291	FERMI NATIONAL ACCELERATOR LABORATORY	1,840	-
US Dept of Energy	Pass-through	81.RD	662299	FERMI NATIONAL ACCELERATOR LABORATORY	(15,450)	-
US Dept of Energy	Pass-through	81.RD	662608	FERMI NATIONAL ACCELERATOR LABORATORY	195,960	-
US Dept of Energy	Pass-through	81.RD	667145	FERMI NATIONAL ACCELERATOR LABORATORY	(9,374)	-
US Dept of Energy	Pass-through	81.RD	667145 Rev2	FERMI NATIONAL ACCELERATOR LABORATORY	153,712	-
US Dept of Energy	Pass-through	81.RD	672293	FERMI NATIONAL ACCELERATOR LABORATORY	38,258	-
US Dept of Energy	Pass-through	81.RD	682559	FERMI NATIONAL ACCELERATOR LABORATORY	28,238	-
US Dept of Energy	Pass-through	81.RD	N000420858	HONEYWELL CORP	56,184	-
US Dept of Energy	Pass-through	81.RD	7436735	LAWRENCE BERKELEY NATIONAL LABORATORY	36,563	-
US Dept of Energy	Pass-through	81.RD	7532328	LAWRENCE BERKELEY NATIONAL LABORATORY	71,433	-
US Dept of Energy	Pass-through	81.RD	7586187	LAWRENCE BERKELEY NATIONAL LABORATORY	49,038	-
US Dept of Energy	Pass-through	81.RD	7618019	LAWRENCE BERKELEY NATIONAL LABORATORY	15,747	-
US Dept of Energy	Pass-through	81.RD	8642898	LAWRENCE LIVERMORE NATIONAL LABORATORY	75,777	-
US Dept of Energy	Pass-through	81.RD	8644717	LAWRENCE LIVERMORE NATIONAL LABORATORY	33,215	-
US Dept of Energy	Pass-through	81.RD	8645448	LAWRENCE LIVERMORE NATIONAL LABORATORY	108,892	-
US Dept of Energy	Pass-through	81.RD	17444	LOS ALAMOS NATL LABORATORY	44,117	-
US Dept of Energy	Pass-through	81.RD	305049	LOS ALAMOS NATL LABORATORY	97,502	-
US Dept of Energy	Pass-through	81.RD	527464	LOS ALAMOS NATL LABORATORY	6,804	-
US Dept of Energy	Pass-through	81.RD	527464	LOS ALAMOS NATL LABORATORY	1,130	-
US Dept of Energy	Pass-through	81.RD	598704	LOS ALAMOS NATL LABORATORY	29,790	-
US Dept of Energy	Pass-through	81.RD	615487	LOS ALAMOS NATL LABORATORY	28,158	-
US Dept of Energy	Pass-through	81.RD	62103	LOS ALAMOS NATL LABORATORY	43,997	-
US Dept of Energy	Pass-through	81.RD	IP 538125	LOS ALAMOS NATL LABORATORY	11,414	-
US Dept of Energy	Pass-through	81.RD	4000166582	OAK RIDGE NATIONAL LABORATORY	19,994	-
US Dept of Energy	Pass-through	81.RD	516387	PACIFIC NORTHWEST NATIONAL LABORATORY	98,469	-
US Dept of Energy	Pass-through	81.RD	510272	LOS ALAMOS NATL LABORATORY	(14)	-
US Dept of Energy	Pass-through	81.RD	2219962	SANDIA NATIONAL LABORATORIES	144,537	-
US Dept of Energy	Pass-through	81.RD	PO1910351	SANDIA NATIONAL LABORATORIES	24,237	-
US Dept of Energy	Pass-through	81.RD	215328	STANFORD LINEAR ACCELERATOR CENTER	1,421,476	169,902
US Dept of Energy	Pass-through	81.RD	1F-60539	UCHICAGO ARGONNE LLC	88,211	-
US Dept of Energy	Pass-through	81.RD	4000178111	UT BATTELLE LLC	134,312	-
US Dept of Energy	Pass-through	81.041	MEO-21-002	INST FOR ENERGY INNOVATION	8,019	-
US Dept of Energy	Pass-through	81.041	MEO-18-007	MICHIGAN ENERGY OFFICE	77,108	-
US Dept of Energy	Pass-through	81.049	ASUB00000681	ARIZONA STATE UNIV	244,932	-
US Dept of Energy	Pass-through	81.049	IP 530346	COLLABORATIVE COMPOSITE SOLUTIONS CORP	97,599	-
US Dept of Energy	Pass-through	81.049	R02187	FLORIDA STATE UNIV	296,521	-
US Dept of Energy	Pass-through	81.049	00453617	GREAT LAKES CRYSTAL TECHNOLOGIES INC	3,804	-
US Dept of Energy	Pass-through	81.049	00524176	GREAT LAKES CRYSTAL TECHNOLOGIES INC	117,876	-
US Dept of Energy	Pass-through	81.049	00460465	INTEGRATED SENSORS LLC	10,789	-
US Dept of Energy	Pass-through	81.049	508145	LOS ALAMOS NATL LABORATORY	61,578	-
US Dept of Energy	Pass-through	81.049	54358	MARINE BIOLOGICAL LABORATORY	77,982	-
US Dept of Energy	Pass-through	81.049	EN2-7107A	NANOSONIC INC	25,532	-
US Dept of Energy	Pass-through	81.049	SUB0000288	PRINCETON UNIV	158,464	-
US Dept of Energy	Pass-through	81.049	SUB0000347	PRINCETON UNIV	120,471	-
US Dept of Energy	Pass-through	81.049	SUB0000376	PRINCETON UNIV	131,102	-
US Dept of Energy	Pass-through	81.049	00512927	RADIABEAM TECHNOLOGIES INC	16,850	-
US Dept of Energy	Pass-through	81.049	C21-30	RADIATION MONITORING DEVICES INC	15,000	-
US Dept of Energy	Pass-through	81.049	SBIR	TELLURIC LABS LLC	9,228	-
US Dept of Energy	Pass-through	81.049	S00460-01	UNIVERSITY OF IOWA	67,800	-
US Dept of Energy	Pass-through	81.049	05-1215-0208-007	UNIVERSITY OF NEBRASKA-LINCOLN	299,105	-
US Dept of Energy	Pass-through	81.049	GF70041-2	UNIVERSITY OF NORTH TEXAS	(6,423)	-
US Dept of Energy	Pass-through	81.049	GF70059-1	UNIVERSITY OF NORTH TEXAS	206,300	-
US Dept of Energy	Pass-through	81.049	UTA20-001012	UNIVERSITY OF TEXAS AT AUSTIN	440,297	-
US Dept of Energy	Pass-through	81.049	812K980	UNIVERSITY OF WISCONSIN MADISON	10,808,055	-
US Dept of Energy	Pass-through	81.086	PA16-0349-3,16-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	299,105	-
US Dept of Energy	Pass-through	81.086	PA16-0349-3-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	52,251	-
US Dept of Energy	Pass-through	81.086	PA16-0349-7,8-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	78	-
US Dept of Energy	Pass-through	81.086	PR2096550	FORD MOTOR CO	132,166	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
US Dept of Energy	Pass-through	81.086	4301241378	GENERAL MOTORS CORP	\$ 171,323	\$ -
US Dept of Energy	Pass-through	81.086	DE-EE0009083	SLIPSTREAM GROUP INC	20,394	-
US Dept of Energy	Pass-through	81.087	2108-219-2023054	CLEMSON UNIV	85,506	-
US Dept of Energy	Pass-through	81.087	G0174A-B	OREGON STATE UNIV	34	-
US Dept of Energy	Pass-through	81.087	20-01-MM-4077	REMADE INST	19,108	-
US Dept of Energy	Pass-through	81.087	20-01-RR-4032	REMADE INST	9,317	-
US Dept of Energy	Pass-through	81.087	SA-20-02	REMADE INST	235,894	-
US Dept of Energy	Pass-through	81.087	RP2002-EE0018	SCION PLASMA LLC	21,851	-
US Dept of Energy	Pass-through	81.087	P200A180025	UNIVERSITY OF MICHIGAN	36,167	-
US Dept of Energy	Pass-through	81.089	401469-5801	COLORADO SCHOOL OF MINES	8,218	-
US Dept of Energy	Pass-through	81.112	18045	UNIVERSITY OF ILLINOIS CHICAGO	65,760	-
US Dept of Energy	Pass-through	81.113	00009330	UNIVERSITY OF CALIFORNIA BERKELEY	548,507	-
US Dept of Energy	Pass-through	81.113	00010831	UNIVERSITY OF CALIFORNIA BERKELEY	19,909	-
US Dept of Energy	Pass-through	81.135	AR-370-3.17	NEXTEnergy	69	-
US Dept of Energy	Pass-through	81.135	G0176A-A	OREGON STATE UNIV	160,899	-
US Dept of Energy	Pass-through	81.135	GR108616 (CON-90002172)	YALE UNIV	133,918	-
					18,689,655	169,902
					127,101,681	3,165,242
US Dept of Education	Direct	84.015	P015A180155-Title VI	US DEPT OF EDUCATION	275,243	-
US Dept of Education	Direct	84.015	P015B180155-FLAS	US DEPT OF EDUCATION	224,834	-
US Dept of Education	Direct	84.200	P200A180025	US DEPT OF EDUCATION	123,573	-
US Dept of Education	Direct	84.200	P200A180025	US DEPT OF EDUCATION	49,814	-
US Dept of Education	Direct	84.200	P220A180025	US DEPT OF EDUCATION	20,966	-
US Dept of Education	Direct	84.305	R305A210122	US DEPT OF EDUCATION	308,301	-
US Dept of Education	Direct	84.305	R305H190004	INST OF EDUCATION SCIENCES	184,424	54,386
US Dept of Education	Direct	84.305	R305A150210 - 18	INST OF EDUCATION SCIENCES	1,173,707	535,839
US Dept of Education	Direct	84.305	R305A160049	US DEPT OF EDUCATION	(7,177)	-
US Dept of Education	Direct	84.305	R305A160049	US DEPT OF EDUCATION	228,167	-
US Dept of Education	Direct	84.324	R324A180122	US DEPT OF EDUCATION	343,911	-
US Dept of Education	Direct	84.324	R324A210013	INST OF EDUCATION SCIENCES	351,134	-
US Dept of Education	Direct	84.324	R324L190002	INST OF EDUCATION SCIENCES	117,628	10,536
US Dept of Education	Direct	84.324	R324L190002	INST OF EDUCATION SCIENCES	7,431	-
US Dept of Education	Direct	84.324	R324A150003 - 18	US DEPT OF EDUCATION	4,292	-
US Dept of Education	Direct	84.324	R324A150003 - 18B	US DEPT OF EDUCATION	63,000	-
US Dept of Education	Direct	84.324	R324B170003	US DEPT OF EDUCATION	58,689	-
US Dept of Education	Direct	84.325	H325K200018	US DEPT OF EDUCATION	129,294	-
US Dept of Education	Direct	84.325	H325K200018	US DEPT OF EDUCATION	55,932	-
					3,711,223	600,761
US Dept of Education	Pass-through	84.263	P000160361/P000180118	UNIVERSITY OF WISCONSIN STOUT	(557)	-
US Dept of Education	Pass-through	84.264	0000001828	UNIVERSITY OF WISCONSIN	54,469	-
US Dept of Education	Pass-through	84.287	212122 - SES	MICHIGAN DEPT OF EDUCATION	4,316	-
US Dept of Education	Pass-through	84.287	33002550	MICHIGAN DEPT OF EDUCATION	448,972	-
US Dept of Education	Pass-through	84.305	S1148100000	TEACHERS COLLEGE COLUMBIA UNIV	72,568	-
US Dept of Education	Pass-through	84.305	TUL-SCC-55604-04-18/19	TULLANE UNIV	246,162	-
US Dept of Education	Pass-through	84.411	151182	HIGHSOPE EDUCATIONAL RESEARCH FOUNDATION	489,001	-
					1,314,931	-
					5,026,154	600,761
US Dept of Health and Human Services	Direct	93.RD	200-2016-89831	CENTERS FOR DISEASE CONTROL & PREVENTION	80,860	-
US Dept of Health and Human Services	Direct	93.RD	200-2016-89831	CENTERS FOR DISEASE CONTROL & PREVENTION	37,849	-
US Dept of Health and Human Services	Direct	93.RD	200-2016-89831	CENTERS FOR DISEASE CONTROL & PREVENTION	9,626	-
US Dept of Health and Human Services	Direct	93.RD	200-2016-89831	CENTERS FOR DISEASE CONTROL & PREVENTION	5,435	-
US Dept of Health and Human Services	Direct	93.RD	200-2016-89831	CENTERS FOR DISEASE CONTROL & PREVENTION	441	-
US Dept of Health and Human Services	Direct	93.RD	NC202775383	NRG ONCOLOGY	214	-
US Dept of Health and Human Services	Direct	93.RD	PROTOCOL S1207	NRG ONCOLOGY	(384)	-
US Dept of Health and Human Services	Direct	93.113	F32ES031426	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	28,039	-
US Dept of Health and Human Services	Direct	93.113	F32ES031426	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	15,747	-
US Dept of Health and Human Services	Direct	93.113	K01ES029115	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	51,167	-
US Dept of Health and Human Services	Direct	93.113	R01ES029541	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	133,271	-
US Dept of Health and Human Services	Direct	93.113	R01ES031237	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	636,910	15,315
US Dept of Health and Human Services	Direct	93.113	T32ES007255	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	315,911	-
US Dept of Health and Human Services	Direct	93.113	T32ES007255	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	71,850	-
US Dept of Health and Human Services	Direct	93.113	SRO1ES024066-01A1	NATIONAL INST OF HEALTH	(20,894)	-
US Dept of Health and Human Services	Direct	93.113	3R01ES024064-03S1	NATIONAL INST OF HEALTH	81	-
US Dept of Health and Human Services	Direct	93.113	SRO0ES024795-05	NATIONAL INST OF HEALTH	234,278	-
US Dept of Health and Human Services	Direct	93.113	SRO0ES024806-05	NATIONAL INST OF HEALTH	(1,432)	-
US Dept of Health and Human Services	Direct	93.113	SRO1ES024064-02	NATIONAL INST OF HEALTH	15,134	-
US Dept of Health and Human Services	Direct	93.113	SRO0ES02119-05	NATIONAL INST OF HEALTH	84,784	50,458
US Dept of Health and Human Services	Direct	93.113	F31ES030593	NATIONAL INST OF HEALTH	6,546	-
US Dept of Health and Human Services	Direct	93.113	K01ES028047	NATIONAL INST OF HEALTH	81,829	-
US Dept of Health and Human Services	Direct	93.113	R00ES028744	NATIONAL INST OF HEALTH	215,537	-
US Dept of Health and Human Services	Direct	93.113	R01ES017537	NATIONAL INST OF HEALTH	89,021	(2,148)
US Dept of Health and Human Services	Direct	93.113	R01ES027853	NATIONAL INST OF HEALTH	256,930	74,834
US Dept of Health and Human Services	Direct	93.113	R01ES029227	NATIONAL INST OF HEALTH	904,057	638,246
US Dept of Health and Human Services	Direct	93.113	R01ES029541	NATIONAL INST OF HEALTH	466,190	-
US Dept of Health and Human Services	Direct	93.113	R01ES030695	NATIONAL INST OF HEALTH	342,787	27,453
US Dept of Health and Human Services	Direct	93.113	R01ES030695	NATIONAL INST OF HEALTH	33,171	-
US Dept of Health and Human Services	Direct	93.113	R01ES031937	NATIONAL INST OF HEALTH	408,852	190,430
US Dept of Health and Human Services	Direct	93.113	R01ES032227	NATIONAL INST OF HEALTH	285,905	132,150
US Dept of Health and Human Services	Direct	93.113	R01ES033515	NATIONAL INST OF HEALTH	252,794	56,446
US Dept of Health and Human Services	Direct	93.113	R03ES030766	NATIONAL INST OF HEALTH	16,657	-
US Dept of Health and Human Services	Direct	93.113	R21ES031345	NATIONAL INST OF HEALTH	186,895	12,833
US Dept of Health and Human Services	Direct	93.113	R25ES025060	NATIONAL INST OF HEALTH	127,440	-
US Dept of Health and Human Services	Direct	93.121	1R56DE030437-01	NATIONAL INST OF DENTAL & CRANIOFACIAL RESEARCH	19,659	-
US Dept of Health and Human Services	Direct	93.121	R01DE026125	NATIONAL INST OF DENTAL & CRANIOFACIAL RESEARCH	207,431	108,826
US Dept of Health and Human Services	Direct	93.121	SRO3DE027429-02 (P)	NATIONAL INST OF HEALTH	91,390	8,242
US Dept of Health and Human Services	Direct	93.121	K25DE028949	NATIONAL INST OF HEALTH	(67)	-
US Dept of Health and Human Services	Direct	93.121	R01DE029524	NATIONAL INST OF HEALTH	140,306	-
US Dept of Health and Human Services	Direct	93.121	R03DE027108	NATIONAL INST OF HEALTH	756,530	256,226
US Dept of Health and Human Services	Direct	93.136	1 U01CE003395-01-00	CENTERS FOR DISEASE CONTROL & PREVENTION	44,064	-
US Dept of Health and Human Services	Direct	93.143	3P42ES004911-26S2	CENTERS FOR DISEASE CONTROL & PREVENTION	73,756	-
US Dept of Health and Human Services	Direct	93.143	4P42ES004911-25	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	15,033	10,126
US Dept of Health and Human Services	Direct	93.143	4P42ES004911-25	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	15,298	15,298
US Dept of Health and Human Services	Direct	93.143	4P42ES004911-25	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	(28)	-
US Dept of Health and Human Services	Direct	93.143	4P42ES004911-25	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	(93)	-
US Dept of Health and Human Services	Direct	93.143	4P42ES004911-25	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	(159)	-
US Dept of Health and Human Services	Direct	93.143	4P42ES004911-25	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	(952)	-
US Dept of Health and Human Services	Direct	93.143	4P42ES004911-25	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	(3,515)	-
US Dept of Health and Human Services	Direct	93.143	5P42ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	(12)	-
US Dept of Health and Human Services	Direct	93.143	5P42ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	(2,079)	-
US Dept of Health and Human Services	Direct	93.172	R03HG011674	NATIONAL INST OF HEALTH	90,256	-
US Dept of Health and Human Services	Direct	93.172	R21HG010073	NATIONAL INST OF HEALTH	78,580	331
US Dept of Health and Human Services	Direct	93.172	R21HG010789	NATIONAL INST OF HEALTH	33,961	-
US Dept of Health and Human Services	Direct	93.172	R21HG010789	NATIONAL INST OF HEALTH	6,612	-
US Dept of Health and Human Services	Direct	93.173	1R01DC020165-01	NATIONAL INST OF HEALTH	20,840	-
US Dept of Health and Human Services	Direct	93.173	1R21DC020003-01	NATIONAL INST OF HEALTH	16,858	-
US Dept of Health and Human Services	Direct	93.173	5R21DC016102-03	NATIONAL INST OF HEALTH	68,901	-
US Dept of Health and Human Services	Direct	93.173	K01DC019098-01A1	NATIONAL INST OF HEALTH	127,314	-
US Dept of Health and Human Services	Direct	93.173	R01DC012315	NATIONAL INST OF HEALTH	516,896	106,019
US Dept of Health and Human Services	Direct	93.173	R01DC018000	NATIONAL INST OF HEALTH	335,007	10,307
US Dept of Health and Human Services	Direct	93.173	R01DC018000	NATIONAL INST OF HEALTH	41,474	17,287
US Dept of Health and Human Services	Direct	93.173	R01DC018795	NATIONAL INST OF HEALTH	349,143	-
US Dept of Health and Human Services	Direct	93.173	R01DC019098-01A1	NATIONAL INST ON DEAFNESS & OTHER COMMUNICATION DISORDERS	179,266	-
US Dept of Health and Human Services	Direct	93.173	R21DC015550	NATIONAL INST ON DEAFNESS & OTHER COMMUNICATION DISORDERS	1,959	-
US Dept of Health and Human Services	Direct	93.185	COVID-19 - 1 NU21P0000595-01-00	CENTERS FOR DISEASE CONTROL & PREVENTION	4,043,438	3,368,717
US Dept of Health and Human Services	Direct	93.213	K23AT009458	NATIONAL INST OF HEALTH	131,145	13,177



Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
US Dept of Health and Human Services	Direct	93.213	R00AT009156	NATIONAL INST OF HEALTH	\$ 170,192	\$ -
US Dept of Health and Human Services	Direct	93.226	R01HS025386	AGENCY FOR HEALTHCARE RESEARCH & QUALITY	320,589	45,063
US Dept of Health and Human Services	Direct	93.242	SRO1MH11715-03S1	NATIONAL INST OF HEALTH	11,811	-
US Dept of Health and Human Services	Direct	93.242	F31MH125604	NATIONAL INST OF HEALTH	37,085	-
US Dept of Health and Human Services	Direct	93.242	F31MH125604	NATIONAL INST OF HEALTH	1,324	-
US Dept of Health and Human Services	Direct	93.242	F31MH127814	NATIONAL INST OF HEALTH	23,062	-
US Dept of Health and Human Services	Direct	93.242	F31MH127814	NATIONAL INST OF HEALTH	3,895	-
US Dept of Health and Human Services	Direct	93.242	R01MH108511	NATIONAL INST OF HEALTH	17,795	664
US Dept of Health and Human Services	Direct	93.242	R01MH111276	NATIONAL INST OF HEALTH	228,786	-
US Dept of Health and Human Services	Direct	93.242	R01MH111604	NATIONAL INST OF HEALTH	134,232	-
US Dept of Health and Human Services	Direct	93.242	R01MH111715	NATIONAL INST OF HEALTH	571,899	16,017
US Dept of Health and Human Services	Direct	93.242	R01MH112644	NATIONAL INST OF HEALTH	188,255	4,183
US Dept of Health and Human Services	Direct	93.242	R01MH118848	NATIONAL INST OF HEALTH	714,088	56,456
US Dept of Health and Human Services	Direct	93.242	R01MH119149	NATIONAL INST OF HEALTH	481,360	35,324
US Dept of Health and Human Services	Direct	93.242	R01MH121417	NATIONAL INST OF HEALTH	413,464	46,097
US Dept of Health and Human Services	Direct	93.242	R01MH122725	NATIONAL INST OF HEALTH	636,236	-
US Dept of Health and Human Services	Direct	93.242	R01MH123716	NATIONAL INST OF HEALTH	593,987	205,998
US Dept of Health and Human Services	Direct	93.242	R01MH124992	NATIONAL INST OF HEALTH	360,949	19,059
US Dept of Health and Human Services	Direct	93.242	R01MH125806	NATIONAL INST OF HEALTH	27,731	-
US Dept of Health and Human Services	Direct	93.242	R34MH127061	NATIONAL INST OF HEALTH	93,218	-
US Dept of Health and Human Services	Direct	93.242	UG3MH114249	NATIONAL INST OF HEALTH	90,157	10,920
US Dept of Health and Human Services	Direct	93.242	UH3MH114249	NATIONAL INST OF HEALTH	370,045	236,251
US Dept of Health and Human Services	Direct	93.242	1RF1MH126706-01	NATIONAL INST OF MENTAL HEALTH	403,636	61,082
US Dept of Health and Human Services	Direct	93.242	3U01MH106660-04S1	NATIONAL INST OF MENTAL HEALTH	23,311	23,311
US Dept of Health and Human Services	Direct	93.242	R01MH124992-04	NATIONAL INST OF MENTAL HEALTH	10,603	9,905
US Dept of Health and Human Services	Direct	93.242	R00MH110665	NATIONAL INST OF MENTAL HEALTH	113,932	-
US Dept of Health and Human Services	Direct	93.242	R01MH114883	NATIONAL INST OF MENTAL HEALTH	757,385	230,263
US Dept of Health and Human Services	Direct	93.242	R01MH128196	NATIONAL INST OF MENTAL HEALTH	109,057	-
US Dept of Health and Human Services	Direct	93.242	R34MH118402	NATIONAL INST OF MENTAL HEALTH	122,307	18,504
US Dept of Health and Human Services	Direct	93.273	R01AA027314-01A1	NATIONAL INST OF ALCOHOL ABUSE & ALCOHOLISM	93,273	(7)
US Dept of Health and Human Services	Direct	93.273	R01AA026596	NATIONAL INST OF ALCOHOL ABUSE & ALCOHOLISM	530,917	107,755
US Dept of Health and Human Services	Direct	93.273	R01AA028213	NATIONAL INST OF HEALTH	138,434	30,749
US Dept of Health and Human Services	Direct	93.279	1R01DA053047-01	NATIONAL INST OF HEALTH	272,621	-
US Dept of Health and Human Services	Direct	93.279	R01DA039112	NATIONAL INST OF HEALTH	(612)	(612)
US Dept of Health and Human Services	Direct	93.279	R01DA036095	NATIONAL INST OF HEALTH	233,361	-
US Dept of Health and Human Services	Direct	93.279	R01DA047180	NATIONAL INST OF HEALTH	406,258	-
US Dept of Health and Human Services	Direct	93.279	R25DA051249	NATIONAL INST OF HEALTH	140,063	72,755
US Dept of Health and Human Services	Direct	93.279	K01DA046516	NATIONAL INST ON DRUG ABUSE	95,112	-
US Dept of Health and Human Services	Direct	93.279	R36DA054487	NATIONAL INST ON DRUG ABUSE	45,947	-
US Dept of Health and Human Services	Direct	93.286	SOP70302320-05	NATIONAL INST OF HEALTH	240,512	-
US Dept of Health and Human Services	Direct	93.286	1R21EB32110-01	NATIONAL INST OF HEALTH	206,528	-
US Dept of Health and Human Services	Direct	93.286	SRO0EB016753-04	NATIONAL INST OF HEALTH	8	-
US Dept of Health and Human Services	Direct	93.286	R01EB012079	NATIONAL INST OF HEALTH	360,927	-
US Dept of Health and Human Services	Direct	93.286	R01EB029418	NATIONAL INST OF HEALTH	468,514	-
US Dept of Health and Human Services	Direct	93.286	R01EB029418	NATIONAL INST OF HEALTH	52,326	-
US Dept of Health and Human Services	Direct	93.286	U24EB028990	NATIONAL INST OF HEALTH	340,824	228,825
US Dept of Health and Human Services	Direct	93.286	U24EB028990	NATIONAL INST OF HEALTH	22,777	-
US Dept of Health and Human Services	Direct	93.307	3R01MD016003-02S1	NATIONAL INST OF HEALTH	95,723	-
US Dept of Health and Human Services	Direct	93.307	R01MD015763	NATIONAL INST OF HEALTH	92,742	2,631
US Dept of Health and Human Services	Direct	93.307	R1MD016003	NATIONAL INST OF HEALTH	433,913	96,188
US Dept of Health and Human Services	Direct	93.307	R21MD015909	NATIONAL INST OF HEALTH	222,262	23,191
US Dept of Health and Human Services	Direct	93.307	K01MD015079	NATIONAL INST ON MINORITY HEALTH & HEALTH DISPARITIES	115,339	-
US Dept of Health and Human Services	Direct	93.307	U54MD011227	NATIONAL INST ON MINORITY HEALTH & HEALTH DISPARITIES	411,762	27,169
US Dept of Health and Human Services	Direct	93.310	3U430D023285-06S1	NATIONAL INST OF HEALTH	78,430	-
US Dept of Health and Human Services	Direct	93.310	SOP70302320-05	NATIONAL INST OF HEALTH	512	-
US Dept of Health and Human Services	Direct	93.310	UH30D023285	NATIONAL INST OF HEALTH	3,487,668	1,323,382
US Dept of Health and Human Services	Direct	93.310	UH30D023285	NATIONAL INST OF HEALTH	105,435	-
US Dept of Health and Human Services	Direct	93.310	UH30D023285	NATIONAL INST OF HEALTH	50,961	-
US Dept of Health and Human Services	Direct	93.310	UH30D023285	NATIONAL INST OF HEALTH	47,306	45,152
US Dept of Health and Human Services	Direct	93.351	R130D012091	NATIONAL INST OF HEALTH	19,474	-
US Dept of Health and Human Services	Direct	93.361	R00NR017191	NATIONAL INST OF HEALTH	91,078	-
US Dept of Health and Human Services	Direct	93.361	R01NR014484	NATIONAL INST OF HEALTH	481,295	263,534
US Dept of Health and Human Services	Direct	93.361	R01NR017626	NATIONAL INST OF HEALTH	295,027	180,781
US Dept of Health and Human Services	Direct	93.361	R01NR017626	NATIONAL INST OF HEALTH	19,704	-
US Dept of Health and Human Services	Direct	93.361	7R1NS013628-02	NATIONAL INST OF NURSING RESEARCH	99,877	-
US Dept of Health and Human Services	Direct	93.361	R21NR017958	NATIONAL INST OF NURSING RESEARCH	121,502	-
US Dept of Health and Human Services	Direct	93.393	1R21CA226579-01A1	NATIONAL CANCER INST	11,691	-
US Dept of Health and Human Services	Direct	93.393	K00CA245821	NATIONAL CANCER INST	79,933	-
US Dept of Health and Human Services	Direct	93.393	1R01CA225105-02S1	NATIONAL INST OF HEALTH	187,997	-
US Dept of Health and Human Services	Direct	93.393	R01CA225105	NATIONAL INST OF HEALTH	375,234	-
US Dept of Health and Human Services	Direct	93.393	R01CA226890	NATIONAL INST OF HEALTH	429,249	44,454
US Dept of Health and Human Services	Direct	93.393	R01CA258314	NATIONAL INST OF HEALTH	217,410	-
US Dept of Health and Human Services	Direct	93.394	COVID-19 - U01CA260469	NATIONAL INST OF HEALTH	703,955	28,150
US Dept of Health and Human Services	Direct	93.394	R01CA182043	NATIONAL INST OF HEALTH	19,682	-
US Dept of Health and Human Services	Direct	93.395	R01CA239197	NATIONAL INST OF HEALTH	950,558	109,166
US Dept of Health and Human Services	Direct	93.395	1R21CA245343-01A1	NATIONAL CANCER INST	58,497	11,922
US Dept of Health and Human Services	Direct	93.395	1R21CA263133-01	NATIONAL CANCER INST	166,111	-
US Dept of Health and Human Services	Direct	93.395	7R01CA221771-04	NATIONAL CANCER INST	289,334	91,749
US Dept of Health and Human Services	Direct	93.395	R21CA216867	NATIONAL CANCER INST	18,299	-
US Dept of Health and Human Services	Direct	93.395	R01CA261691-01	NATIONAL INST OF HEALTH	419,391	-
US Dept of Health and Human Services	Direct	93.395	R01CA244491	NATIONAL INST OF HEALTH	191,366	-
US Dept of Health and Human Services	Direct	93.395	R21CA240875	NATIONAL INST OF HEALTH	122,354	-
US Dept of Health and Human Services	Direct	93.395	R21CA252430	NATIONAL INST OF HEALTH	249,486	-
US Dept of Health and Human Services	Direct	93.395	NSABP B-49	NATIONAL SURGICAL ADJUVANT BREAST & BOWEL PROJECT FOUNDATION	(149)	-
US Dept of Health and Human Services	Direct	93.396	1R01CA264944-01A1	NATIONAL INST OF HEALTH	83,989	-
US Dept of Health and Human Services	Direct	93.396	R01CA197398	NATIONAL INST OF HEALTH	153,024	-
US Dept of Health and Human Services	Direct	93.396	R01CA247863	NATIONAL INST OF HEALTH	344,419	179,273
US Dept of Health and Human Services	Direct	93.396	R01CA270138	NATIONAL INST OF HEALTH	69,518	-
US Dept of Health and Human Services	Direct	93.396	1R99CA252152	NATIONAL CANCER INST	126,218	-
US Dept of Health and Human Services	Direct	93.583	3R33NS099416-03S1	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	(5,150)	-
US Dept of Health and Human Services	Direct	93.837	5P01HL070687-12	NATIONAL HEART LUNG & BLOOD INST	(1)	-
US Dept of Health and Human Services	Direct	93.837	K01HL128843	NATIONAL HEART LUNG & BLOOD INST	(31)	-
US Dept of Health and Human Services	Direct	93.837	K01HL135464	NATIONAL HEART LUNG & BLOOD INST	83,133	-
US Dept of Health and Human Services	Direct	93.837	R25HL140319	NATIONAL HEART LUNG & BLOOD INST	87,710	-
US Dept of Health and Human Services	Direct	93.837	R33HL144896	NATIONAL HEART LUNG & BLOOD INST	176,292	11,256
US Dept of Health and Human Services	Direct	93.837	R61HL144896	NATIONAL HEART LUNG & BLOOD INST	35,477	425
US Dept of Health and Human Services	Direct	93.837	1P01HL152951-01A1	NATIONAL INST OF HEALTH	121,826	-
US Dept of Health and Human Services	Direct	93.837	1P01HL152951-01A1	NATIONAL INST OF HEALTH	101,200	-
US Dept of Health and Human Services	Direct	93.837	1P01HL152951-01A1	NATIONAL INST OF HEALTH	83,380	-
US Dept of Health and Human Services	Direct	93.837	1P01HL152951-01A1	NATIONAL INST OF HEALTH	47,521	-
US Dept of Health and Human Services	Direct	93.837	1P01HL152951-01A1	NATIONAL INST OF HEALTH	44,099	-
US Dept of Health and Human Services	Direct	93.837	1P01HL152951-01A1	NATIONAL INST OF HEALTH	40,934	-
US Dept of Health and Human Services	Direct	93.837	1P01HL152951-01A1	NATIONAL INST OF HEALTH	21,748	-
US Dept of Health and Human Services	Direct	93.837	1P01HL152951-01A1	NATIONAL INST OF HEALTH	16,033	-
US Dept of Health and Human Services	Direct	93.837	SRO1HL128628-06	NATIONAL INST OF HEALTH	1,314	-
US Dept of Health and Human Services	Direct	93.837	F31HL152623	NATIONAL INST OF HEALTH	33,883	-
US Dept of Health and Human Services	Direct	93.837	F31HL152623	NATIONAL INST OF HEALTH	2,305	-
US Dept of Health and Human Services	Direct	93.837	F31HL154613	NATIONAL INST OF HEALTH	34,626	-
US Dept of Health and Human Services	Direct	93.837	F31HL154613	NATIONAL INST OF HEALTH	8,164	-
US Dept of Health and Human Services	Direct	93.837	R01HL134841	NATIONAL INST OF HEALTH	259,238	188,576
US Dept of Health and Human Services	Direct	93.837	R01HL137694	NATIONAL INST OF HEALTH	251,492	-
US Dept of Health and Human Services	Direct	93.837	R01HL149777	NATIONAL INST OF HEALTH	712,823	7,047
US Dept of Health and Human Services	Direct	93.837	R01HL151413	NATIONAL INST OF HEALTH	574,916	-
US Dept of Health and Human Services	Direct	93.837	R01HL151506	NATIONAL INST OF HEALTH	413,046	12,544
US Dept of Health and Human Services	Direct	93.837	R25HL103156	NATIONAL INST OF HEALTH	98,941	-
US Dept of Health and Human Services	Direct	93.837	R25HL108684	NATIONAL INST OF HEALTH	142,720	-
US Dept of Health and Human Services	Direct	93.838	R01HL153165	NATIONAL INST OF HEALTH	404,843	44,249

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
US Dept of Health and Human Services	Direct	93.839	R01HL156440	NATIONAL INST OF HEALTH	\$ 454,622	\$ 96,949
US Dept of Health and Human Services	Direct	93.846	R21AR073544	NATIONAL INST OF ARTHRITIS & MUSCULOSKELETAL & SKIN DISEASES	15,600	-
US Dept of Health and Human Services	Direct	93.846	1K23AR079056-01	NATIONAL INST OF HEALTH	108,197	-
US Dept of Health and Human Services	Direct	93.846	U01AR075470	NATIONAL INST OF HEALTH	530,017	15,945
US Dept of Health and Human Services	Direct	93.847	5K01DK103840-06	NATIONAL INST DIABETES & DIGESTIVE & KIDNEY DISEASES	(2,222)	-
US Dept of Health and Human Services	Direct	93.847	R01DK119615	NATIONAL INST DIABETES & DIGESTIVE & KIDNEY DISEASES	64,206	-
US Dept of Health and Human Services	Direct	93.847	1R01DK131417-01	NATIONAL INST OF HEALTH	150,914	2,500
US Dept of Health and Human Services	Direct	93.847	3R01DK121272-03S1	NATIONAL INST OF HEALTH	175,950	-
US Dept of Health and Human Services	Direct	93.847	5R01DK105468-06	NATIONAL INST OF HEALTH	319,074	45,874
US Dept of Health and Human Services	Direct	93.847	5R01DK107697-04	NATIONAL INST OF HEALTH	2,554	-
US Dept of Health and Human Services	Direct	93.847	5R01DK111475-04	NATIONAL INST OF HEALTH	238,390	-
US Dept of Health and Human Services	Direct	93.847	F30DK124987	NATIONAL INST OF HEALTH	34,512	-
US Dept of Health and Human Services	Direct	93.847	F30DK124987	NATIONAL INST OF HEALTH	6,090	-
US Dept of Health and Human Services	Direct	93.847	F31DK121373	NATIONAL INST OF HEALTH	17,316	-
US Dept of Health and Human Services	Direct	93.847	F31DK127732	NATIONAL INST OF HEALTH	31,996	-
US Dept of Health and Human Services	Direct	93.847	F31DK127732	NATIONAL INST OF HEALTH	2,299	-
US Dept of Health and Human Services	Direct	93.847	F32DK121423	NATIONAL INST OF HEALTH	2,279	-
US Dept of Health and Human Services	Direct	93.847	K99DK129710	NATIONAL INST OF HEALTH	73,642	-
US Dept of Health and Human Services	Direct	93.847	R01DK103723	NATIONAL INST OF HEALTH	534,765	-
US Dept of Health and Human Services	Direct	93.847	R01DK103808	NATIONAL INST OF HEALTH	365,236	-
US Dept of Health and Human Services	Direct	93.847	R01DK105503	NATIONAL INST OF HEALTH	170,327	2,356
US Dept of Health and Human Services	Direct	93.847	R01DK119615	NATIONAL INST OF HEALTH	312,053	144,443
US Dept of Health and Human Services	Direct	93.847	R01DK120289	NATIONAL INST OF HEALTH	376,095	42,813
US Dept of Health and Human Services	Direct	93.847	R01DK120862	NATIONAL INST OF HEALTH	307,816	56,454
US Dept of Health and Human Services	Direct	93.847	R01DK121272	NATIONAL INST OF HEALTH	278,998	18,774
US Dept of Health and Human Services	Direct	93.847	R01DK122813	NATIONAL INST OF HEALTH	366,363	53,890
US Dept of Health and Human Services	Direct	93.853	1R01NS117636-01A1	NATIONAL INST OF HEALTH	86,775	-
US Dept of Health and Human Services	Direct	93.853	1R21NS116496-01	NATIONAL INST OF HEALTH	114,653	-
US Dept of Health and Human Services	Direct	93.853	5R00NS096108-04	NATIONAL INST OF HEALTH	103,387	-
US Dept of Health and Human Services	Direct	93.853	5R00NS096108-04	NATIONAL INST OF HEALTH	11,996	-
US Dept of Health and Human Services	Direct	93.853	5R21NS098173-02	NATIONAL INST OF HEALTH	10,092	-
US Dept of Health and Human Services	Direct	93.853	F31NS124244	NATIONAL INST OF HEALTH	32,870	-
US Dept of Health and Human Services	Direct	93.853	F31NS124244	NATIONAL INST OF HEALTH	240	-
US Dept of Health and Human Services	Direct	93.853	F99NS118738	NATIONAL INST OF HEALTH	17,436	-
US Dept of Health and Human Services	Direct	93.853	R01NS181738	NATIONAL INST OF HEALTH	6,234	-
US Dept of Health and Human Services	Direct	93.853	R01NS045195	NATIONAL INST OF HEALTH	26,557	-
US Dept of Health and Human Services	Direct	93.853	R01NS094460	NATIONAL INST OF HEALTH	(4,048)	-
US Dept of Health and Human Services	Direct	93.853	R01NS105826	NATIONAL INST OF HEALTH	345,728	-
US Dept of Health and Human Services	Direct	93.853	R01NS105888	NATIONAL INST OF HEALTH	306,512	97,446
US Dept of Health and Human Services	Direct	93.853	R01NS124236	NATIONAL INST OF HEALTH	278,998	18,774
US Dept of Health and Human Services	Direct	93.853	R01NS110398	NATIONAL INST OF HEALTH	379,130	131,136
US Dept of Health and Human Services	Direct	93.853	R01NS116080	NATIONAL INST OF HEALTH	691,399	456,834
US Dept of Health and Human Services	Direct	93.853	R01NS121259	NATIONAL INST OF HEALTH	425,143	-
US Dept of Health and Human Services	Direct	93.853	R01NS122510	NATIONAL INST OF HEALTH	589,736	290,048
US Dept of Health and Human Services	Direct	93.853	R21NS098693-10S1	NATIONAL INST OF HEALTH	171,916	-
US Dept of Health and Human Services	Direct	93.853	R25NS090989	NATIONAL INST OF HEALTH	342,282	-
US Dept of Health and Human Services	Direct	93.853	R33NS099416	NATIONAL INST OF HEALTH	25,003	(1,775)
US Dept of Health and Human Services	Direct	93.853	R56NS117549	NATIONAL INST OF HEALTH	221,064	24,644
US Dept of Health and Human Services	Direct	93.853	UF1NS115817	NATIONAL INST OF HEALTH	688,831	256,456
US Dept of Health and Human Services	Direct	93.853	1R01NS107451-01A1S1	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	2,384	-
US Dept of Health and Human Services	Direct	93.853	1R61NS111347-01A1	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	43,352	-
US Dept of Health and Human Services	Direct	93.853	4R33NS111347-03	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	209	-
US Dept of Health and Human Services	Direct	93.853	R01NS072171	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	71,710	-
US Dept of Health and Human Services	Direct	93.853	R01NS098231	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	634,085	-
US Dept of Health and Human Services	Direct	93.853	R21NS111333	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	278,998	-
US Dept of Health and Human Services	Direct	93.853	R61NS111347	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	25,680	14,489
US Dept of Health and Human Services	Direct	93.853	1R01AI121178-01A1	NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES	119,494	-
US Dept of Health and Human Services	Direct	93.855	R01AI147634-01	NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES	80,589	-
US Dept of Health and Human Services	Direct	93.855	SU19A098693-10S1	NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES	85,773	79,273
US Dept of Health and Human Services	Direct	93.855	R01AD047153 (P)	NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES	282,251	-
US Dept of Health and Human Services	Direct	93.855	R01AI121178	NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES	452,506	-
US Dept of Health and Human Services	Direct	93.855	U19A089683	NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES	916,997	650,237
US Dept of Health and Human Services	Direct	93.855	1R01AI147634-01	NATIONAL INST OF HEALTH	4,885	-
US Dept of Health and Human Services	Direct	93.855	R01AI138707-01	NATIONAL INST OF HEALTH	63,716	-
US Dept of Health and Human Services	Direct	93.855	1R21AI144395-01	NATIONAL INST OF HEALTH	460	-
US Dept of Health and Human Services	Direct	93.855	1R21AI144395-01	NATIONAL INST OF HEALTH	(1,299)	-
US Dept of Health and Human Services	Direct	93.855	1R21AI144504-01	NATIONAL INST OF HEALTH	73,172	-
US Dept of Health and Human Services	Direct	93.855	1R56AI150301-01A1	NATIONAL INST OF HEALTH	25,920	-
US Dept of Health and Human Services	Direct	93.855	R21AI122542-02	NATIONAL INST OF HEALTH	110,129	(2,563)
US Dept of Health and Human Services	Direct	93.855	COVID-19 - R21AI159928	NATIONAL INST OF HEALTH	143,283	-
US Dept of Health and Human Services	Direct	93.855	R01AI116605	NATIONAL INST OF HEALTH	11,123	-
US Dept of Health and Human Services	Direct	93.855	R01AI139039	NATIONAL INST OF HEALTH	206,427	-
US Dept of Health and Human Services	Direct	93.855	R01AI139074	NATIONAL INST OF HEALTH	282,544	-
US Dept of Health and Human Services	Direct	93.855	R01AI145504	NATIONAL INST OF HEALTH	295,423	-
US Dept of Health and Human Services	Direct	93.855	R01AI145925	NATIONAL INST OF HEALTH	999,633	556,483
US Dept of Health and Human Services	Direct	93.855	R01AI146210	NATIONAL INST OF HEALTH	289,508	90,375
US Dept of Health and Human Services	Direct	93.855	R01AI147634	NATIONAL INST OF HEALTH	164,658	-
US Dept of Health and Human Services	Direct	93.855	R01AI150855	NATIONAL INST OF HEALTH	306,201	-
US Dept of Health and Human Services	Direct	93.855	R01AI150855	NATIONAL INST OF HEALTH	155,045	-
US Dept of Health and Human Services	Direct	93.855	R01AI150855	NATIONAL INST OF HEALTH	100,360	-
US Dept of Health and Human Services	Direct	93.855	R01AI150855	NATIONAL INST OF HEALTH	24,492	-
US Dept of Health and Human Services	Direct	93.855	R01AI158433	NATIONAL INST OF HEALTH	464,053	202,141
US Dept of Health and Human Services	Direct	93.855	R03AI153454	NATIONAL INST OF HEALTH	80,053	-
US Dept of Health and Human Services	Direct	93.855	R13AI154968	NATIONAL INST OF HEALTH	6,880	-
US Dept of Health and Human Services	Direct	93.855	R13AI154968	NATIONAL INST OF HEALTH	1,355	-
US Dept of Health and Human Services	Direct	93.855	R21AI138345	NATIONAL INST OF HEALTH	220,437	-
US Dept of Health and Human Services	Direct	93.855	R21AI140413 (P)	NATIONAL INST OF HEALTH	(787)	-
US Dept of Health and Human Services	Direct	93.855	R21AI142173	NATIONAL INST OF HEALTH	118,667	-
US Dept of Health and Human Services	Direct	93.855	R21AI142517	NATIONAL INST OF HEALTH	105,849	-
US Dept of Health and Human Services	Direct	93.855	R21AI146504	NATIONAL INST OF HEALTH	172,541	-
US Dept of Health and Human Services	Direct	93.855	R21AI148909	NATIONAL INST OF HEALTH	109,633	-
US Dept of Health and Human Services	Direct	93.855	R21AI148909	NATIONAL INST OF HEALTH	36,181	-
US Dept of Health and Human Services	Direct	93.855	R21AI148961	NATIONAL INST OF HEALTH	132,425	-
US Dept of Health and Human Services	Direct	93.855	R21AI152542	NATIONAL INST OF HEALTH	110,129	-
US Dept of Health and Human Services	Direct	93.855	R21AI154192	NATIONAL INST OF HEALTH	257,270	-
US Dept of Health and Human Services	Direct	93.855	U01AI126610	NATIONAL INST OF HEALTH	1,406,493	1,048,359
US Dept of Health and Human Services	Direct	93.859	1R35GM144146	NATIONAL INST OF GENERAL MEDICAL SCIENCES	42,780	-
US Dept of Health and Human Services	Direct	93.859	R01GM129004	NATIONAL INST OF GENERAL MEDICAL SCIENCES	11,623	-
US Dept of Health and Human Services	Direct	93.859	1R01GM141354-01	NATIONAL INST OF HEALTH	176,116	-
US Dept of Health and Human Services	Direct	93.859	2R01GM115848-05	NATIONAL INST OF HEALTH	79,139	-
US Dept of Health and Human Services	Direct	93.859	2R01GM130794-05	NATIONAL INST OF HEALTH	25,553	-
US Dept of Health and Human Services	Direct	93.859	2T32GM110523-06	NATIONAL INST OF HEALTH	10,500	-
US Dept of Health and Human Services	Direct	93.859	3F32GM134595-03S1	NATIONAL INST OF HEALTH	2,500	-
US Dept of Health and Human Services	Direct	93.859	3R01GM130561-03S1	NATIONAL INST OF HEALTH	209,981	-
US Dept of Health and Human Services	Direct	93.859	3R35GM126948-02S1	NATIONAL INST OF HEALTH	1,560	-
US Dept of Health and Human Services	Direct	93.859	5R01GM072667-13	NATIONAL INST OF HEALTH	(6,127)	-
US Dept of Health and Human Services	Direct	93.859	5R01GM110185-05	NATIONAL INST OF HEALTH	(1,092)	-
US Dept of Health and Human Services	Direct	93.859	5T32GM110523-07	NATIONAL INST OF HEALTH	151,079	-
US Dept of Health and Human Services	Direct	93.859	5T32GM110523-08	NATIONAL INST OF HEALTH	17,384	-
US Dept of Health and Human Services	Direct	93.859	DP2GM142307	NATIONAL INST OF HEALTH	491,715	-
US Dept of Health and Human Services	Direct	93.859	F32GM134595	NATIONAL INST OF HEALTH	57,980	-
US Dept of Health and Human Services	Direct	93.859	F32GM134595	NATIONAL INST OF HEALTH	11,783	-
US Dept of Health and Human Services	Direct	93.859	F32GM139292	NATIONAL INST OF HEALTH	54,375	-
US Dept of Health and Human Services	Direct	93.859	F32GM139292	NATIONAL INST OF HEALTH	12,760	-
US Dept of Health and Human Services	Direct	93.859	F32GM141017	NATIONAL INST OF HEALTH	41,223	-
US Dept of Health and Human Services	Direct	93.859	F32GM141017	NATIONAL INST OF HEALTH	6,712	-
US Dept of Health and Human Services	Direct	93.859	P41GM135018	NATIONAL INST OF HEALTH	681,979	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
US Dept of Health and Human Services	Direct	93.859	P41GM135018	NATIONAL INST OF HEALTH	\$ 288,387	\$ 288,387
US Dept of Health and Human Services	Direct	93.859	P41GM135018	NATIONAL INST OF HEALTH	192,945	192,945
US Dept of Health and Human Services	Direct	93.859	P41GM135018	NATIONAL INST OF HEALTH	186,473	44,748
US Dept of Health and Human Services	Direct	93.859	P41GM135018	NATIONAL INST OF HEALTH	60,207	19,390
US Dept of Health and Human Services	Direct	93.859	P41GM135018	NATIONAL INST OF HEALTH	19,639	19,639
US Dept of Health and Human Services	Direct	93.859	R01GM043585	NATIONAL INST OF HEALTH	113,387	-
US Dept of Health and Human Services	Direct	93.859	R01GM063188	NATIONAL INST OF HEALTH	98,172	-
US Dept of Health and Human Services	Direct	93.859	R01GM063188	NATIONAL INST OF HEALTH	94,091	-
US Dept of Health and Human Services	Direct	93.859	R01GM072667	NATIONAL INST OF HEALTH	229,369	51,905
US Dept of Health and Human Services	Direct	93.859	R01GM072667-14S1	NATIONAL INST OF HEALTH	206,145	-
US Dept of Health and Human Services	Direct	93.859	R01GM094534	NATIONAL INST OF HEALTH	10,170	8,210
US Dept of Health and Human Services	Direct	93.859	R01GM101353	NATIONAL INST OF HEALTH	328,678	-
US Dept of Health and Human Services	Direct	93.859	R01GM101353	NATIONAL INST OF HEALTH	98,173	-
US Dept of Health and Human Services	Direct	93.859	R01GM115459	NATIONAL INST OF HEALTH	316,833	-
US Dept of Health and Human Services	Direct	93.859	R01GM115459	NATIONAL INST OF HEALTH	4,158	-
US Dept of Health and Human Services	Direct	93.859	R01GM118685	NATIONAL INST OF HEALTH	174,549	-
US Dept of Health and Human Services	Direct	93.859	R01GM121499	NATIONAL INST OF HEALTH	318,062	-
US Dept of Health and Human Services	Direct	93.859	R01GM122085	NATIONAL INST OF HEALTH	163,602	110,916
US Dept of Health and Human Services	Direct	93.859	R01GM124137	NATIONAL INST OF HEALTH	95,999	-
US Dept of Health and Human Services	Direct	93.859	R01GM125743	NATIONAL INST OF HEALTH	132,754	-
US Dept of Health and Human Services	Direct	93.859	R01GM125991	NATIONAL INST OF HEALTH	185,237	74,685
US Dept of Health and Human Services	Direct	93.859	R01GM125991	NATIONAL INST OF HEALTH	43,114	-
US Dept of Health and Human Services	Direct	93.859	R01GM125991	NATIONAL INST OF HEALTH	(120)	-
US Dept of Health and Human Services	Direct	93.859	R01GM126189	NATIONAL INST OF HEALTH	433,674	-
US Dept of Health and Human Services	Direct	93.859	R01GM127121	NATIONAL INST OF HEALTH	206,769	-
US Dept of Health and Human Services	Direct	93.859	R01GM128950	NATIONAL INST OF HEALTH	352,031	-
US Dept of Health and Human Services	Direct	93.859	R01GM128950	NATIONAL INST OF HEALTH	82,028	-
US Dept of Health and Human Services	Direct	93.859	R01GM128959	NATIONAL INST OF HEALTH	37,572	-
US Dept of Health and Human Services	Direct	93.859	R01GM130641	NATIONAL INST OF HEALTH	321,926	-
US Dept of Health and Human Services	Direct	93.859	R01GM130641	NATIONAL INST OF HEALTH	231,498	-
US Dept of Health and Human Services	Direct	93.859	R01GM131398	NATIONAL INST OF HEALTH	144,540	-
US Dept of Health and Human Services	Direct	93.859	R01GM131398	NATIONAL INST OF HEALTH	103,253	-
US Dept of Health and Human Services	Direct	93.859	R01GM132490	NATIONAL INST OF HEALTH	216,477	-
US Dept of Health and Human Services	Direct	93.859	R01GM134307	NATIONAL INST OF HEALTH	470,418	89,234
US Dept of Health and Human Services	Direct	93.859	R01GM135020	NATIONAL INST OF HEALTH	27,252	-
US Dept of Health and Human Services	Direct	93.859	R01GM135920	NATIONAL INST OF HEALTH	341,102	139,767
US Dept of Health and Human Services	Direct	93.859	R01GM138423	NATIONAL INST OF HEALTH	205,314	-
US Dept of Health and Human Services	Direct	93.859	R01GM138423	NATIONAL INST OF HEALTH	34,136	-
US Dept of Health and Human Services	Direct	93.859	R21GM139881	NATIONAL INST OF HEALTH	126,007	-
US Dept of Health and Human Services	Direct	93.859	R25GM132964	NATIONAL INST OF HEALTH	226,341	-
US Dept of Health and Human Services	Direct	93.859	R25GM132964	NATIONAL INST OF HEALTH	276,530	-
US Dept of Health and Human Services	Direct	93.859	R25GM135058	NATIONAL INST OF HEALTH	188,388	29,445
US Dept of Health and Human Services	Direct	93.859	R35GM126948	NATIONAL INST OF HEALTH	327,205	-
US Dept of Health and Human Services	Direct	93.859	R35GM128765	NATIONAL INST OF HEALTH	244,229	8,748
US Dept of Health and Human Services	Direct	93.859	R35GM129259	NATIONAL INST OF HEALTH	57,414	-
US Dept of Health and Human Services	Direct	93.859	R35GM131750	NATIONAL INST OF HEALTH	542,071	-
US Dept of Health and Human Services	Direct	93.859	R35GM131759	NATIONAL INST OF HEALTH	125,000	-
US Dept of Health and Human Services	Direct	93.859	R35GM131759	NATIONAL INST OF HEALTH	34,965	-
US Dept of Health and Human Services	Direct	93.859	R35GM131762	NATIONAL INST OF HEALTH	407,990	-
US Dept of Health and Human Services	Direct	93.859	R35GM131762	NATIONAL INST OF HEALTH	65,977	-
US Dept of Health and Human Services	Direct	93.859	R35GM131762-03S1	NATIONAL INST OF HEALTH	30,819	-
US Dept of Health and Human Services	Direct	93.859	R35GM136263	NATIONAL INST OF HEALTH	346,842	72,328
US Dept of Health and Human Services	Direct	93.859	R35GM136637	NATIONAL INST OF HEALTH	307,361	-
US Dept of Health and Human Services	Direct	93.859	R35GM136637	NATIONAL INST OF HEALTH	125,000	-
US Dept of Health and Human Services	Direct	93.859	R35GM139319	NATIONAL INST OF HEALTH	301,968	-
US Dept of Health and Human Services	Direct	93.859	R35GM139537	NATIONAL INST OF HEALTH	567,975	-
US Dept of Health and Human Services	Direct	93.859	R35GM139537	NATIONAL INST OF HEALTH	54,224	-
US Dept of Health and Human Services	Direct	93.859	R35GM140803	NATIONAL INST OF HEALTH	274,787	-
US Dept of Health and Human Services	Direct	93.859	R35GM140931	NATIONAL INST OF HEALTH	290,633	-
US Dept of Health and Human Services	Direct	93.859	R35GM142929	NATIONAL INST OF HEALTH	2,954	-
US Dept of Health and Human Services	Direct	93.859	T32GM092715	NATIONAL INST OF HEALTH	(6,847)	-
US Dept of Health and Human Services	Direct	93.859	R01GM126189	NATIONAL INST OF HEALTH	64,000	-
US Dept of Health and Human Services	Direct	93.865	R01HD042280	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	214	-
US Dept of Health and Human Services	Direct	93.865	R01HD083273	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	806	-
US Dept of Health and Human Services	Direct	93.865	R01HD084478	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	44,300	-
US Dept of Health and Human Services	Direct	93.865	R01HD085062	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	142,328	-
US Dept of Health and Human Services	Direct	93.865	R01HD095951	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	104,563	3,623
US Dept of Health and Human Services	Direct	93.865	R01HD098027	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	645,538	420,579
US Dept of Health and Human Services	Direct	93.865	R01HD099090	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	654,244	-
US Dept of Health and Human Services	Direct	93.865	R01HD100471	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	304,957	26,440
US Dept of Health and Human Services	Direct	93.865	R01HD101243	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	607,670	-
US Dept of Health and Human Services	Direct	93.865	R01HD102527	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	565,218	34,421
US Dept of Health and Human Services	Direct	93.865	R21HD096358	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	148,301	134,122
US Dept of Health and Human Services	Direct	93.865	R21HD098588	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	112,956	95,777
US Dept of Health and Human Services	Direct	93.865	R21HD099323	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	165,311	-
US Dept of Health and Human Services	Direct	93.865	R21HD100959	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	127,337	-
US Dept of Health and Human Services	Direct	93.865	1F31HD105410-01A1	NATIONAL INST OF HEALTH	24,461	-
US Dept of Health and Human Services	Direct	93.865	1F31HD105410-01A1	NATIONAL INST OF HEALTH	4,277	-
US Dept of Health and Human Services	Direct	93.865	1F31HD107923-01	NATIONAL INST OF HEALTH	11,321	-
US Dept of Health and Human Services	Direct	93.865	1F31HD107923-01	NATIONAL INST OF HEALTH	1,198	-
US Dept of Health and Human Services	Direct	93.865	1R03HD102319-01A1	NATIONAL INST OF HEALTH	152,886	19,309
US Dept of Health and Human Services	Direct	93.865	1R03HD097085-01	NATIONAL INST OF HEALTH	17,554	-
US Dept of Health and Human Services	Direct	93.865	F31HD101207	NATIONAL INST OF HEALTH	25,310	-
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	F31HD102094	NATIONAL INST OF HEALTH	35,741	-
US Dept of Health and Human Services	Direct	93.865	F31HD103209	NATIONAL INST OF HEALTH	28,830	-
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	F32HD098780	NATIONAL INST OF HEALTH	52,268	-
US Dept of Health and Human Services	Direct	93.865	F32HD098780	NATIONAL INST OF HEALTH	2,288	-
US Dept of Health and Human Services	Direct	93.865	F32HD104478	NATIONAL INST OF HEALTH	25,310	-
US Dept of Health and Human Services	Direct	93.865	F32HD104478	NATIONAL INST OF HEALTH	5,729	-
US Dept of Health and Human Services	Direct	93.865	R00HD084759 (P)	NATIONAL INST OF HEALTH	210,445	-
US Dept of Health and Human Services	Direct	93.865	R01HD072968	NATIONAL INST OF HEALTH	539,890	-
US Dept of Health and Human Services	Direct	93.865	R01HD084377	NATIONAL INST OF HEALTH	407,468	176,262
US Dept of Health and Human Services	Direct	93.865	R01HD084494	NATIONAL INST OF HEALTH	346,930	-
US Dept of Health and Human Services	Direct	93.865	R01HD085990	NATIONAL INST OF HEALTH	137,178	86,571
US Dept of Health and Human Services	Direct	93.865	R01HD085990	NATIONAL INST OF HEALTH	8,025	(2,267)
US Dept of Health and Human Services	Direct	93.865	R01HD093334	NATIONAL INST OF HEALTH	582,586	311,275
US Dept of Health and Human Services	Direct	93.865	R01HD094842	NATIONAL INST OF HEALTH	448,901	278,982
US Dept of Health and Human Services	Direct	93.865	R01HD094842	NATIONAL INST OF HEALTH	95,023	24,886
US Dept of Health and Human Services	Direct	93.865	R01HD095371	NATIONAL INST OF HEALTH	410,189	-
US Dept of Health and Human Services	Direct	93.865	R01HD095951	NATIONAL INST OF HEALTH	263,219	52,195
US Dept of Health and Human Services	Direct	93.865	R01HD096033	NATIONAL INST OF HEALTH	319,858	223,398
US Dept of Health and Human Services	Direct	93.865	R01HD096033	NATIONAL INST OF HEALTH	153,410	116,345
US Dept of Health and Human Services	Direct	93.865	R01HD100469	NATIONAL INST OF HEALTH	503,705	90,539
US Dept of Health and Human Services	Direct	93.865	R01HD100469	NATIONAL INST OF HEALTH	914,299	372,840
US Dept of Health and Human Services	Direct	93.865	R01HD100832	NATIONAL INST OF HEALTH	313,150	-
US Dept of Health and Human Services	Direct	93.865	R01HD102170	NATIONAL INST OF HEALTH	514,200	56,785
US Dept of Health and Human Services	Direct	93.865	R01HD103617	NATIONAL INST OF HEALTH	140,240	-
US Dept of Health and Human Services	Direct	93.865	R03HD104297	NATIONAL INST OF HEALTH	172,116	57,342
US Dept of Health and Human Services	Direct	93.865	R03HD096141	NATIONAL INST OF HEALTH	13,150	-
US Dept of Health and Human Services	Direct	93.865	R03HD096141	NATIONAL INST OF HEALTH	12,115	-
US Dept of Health and Human Services	Direct	93.865	R03HD100775	NATIONAL INST OF HEALTH	39,617	3,967
US Dept of Health and Human Services	Direct	93.865	R03HD101654	NATIONAL INST OF HEALTH	50,445	-
US Dept of Health and Human Services	Direct	93.865	R21HD097609	NATIONAL INST OF HEALTH	77,181	-
US Dept of Health and Human Services	Direct	93.865	R21HD097609	NATIONAL INST OF HEALTH	29,835	1,774
US Dept of Health and Human Services	Direct	93.865	R21HD099614	NATIONAL INST OF HEALTH	167,655	79,953
US Dept of Health and Human Services	Direct	93.865	R21HD102907	NATIONAL INST OF HEALTH	239,042	72,412

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
US Dept of Health and Human Services	Direct	93.865	R21HD103030	NATIONAL INST OF HEALTH	\$ 179,377	\$ 108,272
US Dept of Health and Human Services	Direct	93.865	T32HD087166	NATIONAL INST OF HEALTH	80,245	-
US Dept of Health and Human Services	Direct	93.866	1R21AG075795-01	NATIONAL INST OF HEALTH	35,085	-
US Dept of Health and Human Services	Direct	93.866	1R21AG076994-01	NATIONAL INST OF HEALTH	10,675	-
US Dept of Health and Human Services	Direct	93.866	1RF1AG0207189-01	NATIONAL INST OF HEALTH	66,925	31,586
US Dept of Health and Human Services	Direct	93.866	3R01AG068223-03S1	NATIONAL INST OF HEALTH	4,124	-
US Dept of Health and Human Services	Direct	93.866	R01AG051500	NATIONAL INST OF HEALTH	329,172	71,109
US Dept of Health and Human Services	Direct	93.866	R01AG060731	NATIONAL INST OF HEALTH	429,808	-
US Dept of Health and Human Services	Direct	93.866	R01AG061118	NATIONAL INST OF HEALTH	257,129	13,288
US Dept of Health and Human Services	Direct	93.866	R01AG062217	NATIONAL INST OF HEALTH	697,111	-
US Dept of Health and Human Services	Direct	93.866	R01AG062435	NATIONAL INST OF HEALTH	179,100	-
US Dept of Health and Human Services	Direct	93.866	R01AG066223	NATIONAL INST OF HEALTH	592,822	-
US Dept of Health and Human Services	Direct	93.866	R01AG066223	NATIONAL INST OF HEALTH	58,199	-
US Dept of Health and Human Services	Direct	93.866	R01AG066223	NATIONAL INST OF HEALTH	10,977	-
US Dept of Health and Human Services	Direct	93.866	R01AG066223	NATIONAL INST OF HEALTH	8,261	-
US Dept of Health and Human Services	Direct	93.866	R01AG067762	NATIONAL INST OF HEALTH	490,071	-
US Dept of Health and Human Services	Direct	93.866	R03AG062936	NATIONAL INST OF HEALTH	47,406	-
US Dept of Health and Human Services	Direct	93.866	R21AG061306	NATIONAL INST OF HEALTH	213,181	-
US Dept of Health and Human Services	Direct	93.866	R21AG057951	NATIONAL INST OF HEALTH	116,526	-
US Dept of Health and Human Services	Direct	93.866	R01AG067400	NATIONAL INST OF HEALTH	170,025	53,255
US Dept of Health and Human Services	Direct	93.866	R21AG074514	NATIONAL INST OF HEALTH	130,164	-
US Dept of Health and Human Services	Direct	93.866	RF1AG072449	NATIONAL INST OF HEALTH	474,096	219,557
US Dept of Health and Human Services	Direct	93.866	R21AG054960	NATIONAL INST ON AGING	120,484	-
US Dept of Health and Human Services	Direct	93.866	R21AG057951	NATIONAL INST ON AGING	10,058	-
US Dept of Health and Human Services	Direct	93.867	R01AG069477-20	NATIONAL INST OF HEALTH	2,024	-
US Dept of Health and Human Services	Direct	93.867	F30EY030029	NATIONAL INST OF HEALTH	45,215	-
US Dept of Health and Human Services	Direct	93.867	F32EY028426	NATIONAL INST OF HEALTH	17,094	-
US Dept of Health and Human Services	Direct	93.867	R01EY016077	NATIONAL INST OF HEALTH	497,676	62,688
US Dept of Health and Human Services	Direct	93.867	R01EY025762	NATIONAL INST OF HEALTH	369,703	96,927
US Dept of Health and Human Services	Direct	93.867	R01EY026049	NATIONAL INST OF HEALTH	22,596	-
US Dept of Health and Human Services	Direct	93.867	R01EY030766	NATIONAL INST OF HEALTH	399,360	78,143
US Dept of Health and Human Services	Direct	93.867	R24EY027285	NATIONAL INST OF HEALTH	972,289	403,852
US Dept of Health and Human Services	Direct	93.867	T35OD016477	NATIONAL INST OF HEALTH	17,016	-
US Dept of Health and Human Services	Direct	93.867	R21EY032740	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	135,186	-
US Dept of Health and Human Services	Direct	93.979	R21HD103030	NATIONAL INST OF HEALTH	96,711	-
US Dept of Health and Human Services	Direct	93.989	5R21TW010896-02S2	NATIONAL INST OF HEALTH	18,964	-
US Dept of Health and Human Services	Direct	93.989	R21TW011339	NATIONAL INST OF HEALTH	89,377	-
	<b>Direct Total</b>				<b>90,559,981</b>	<b>18,691,296</b>
US Dept of Health and Human Services	Pass-through	93.RD	MIC-270466	MAYO CLINIC	17,314	-
US Dept of Health and Human Services	Pass-through	93.RD	IP 584140	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	168,022	-
US Dept of Health and Human Services	Pass-through	93.RD	IP 584140	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	53,908	-
US Dept of Health and Human Services	Pass-through	93.RD	IP 584140	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	29,921	-
US Dept of Health and Human Services	Pass-through	93.RD	E1A11	NRG ONCOLOGY	(1,790)	-
US Dept of Health and Human Services	Pass-through	93.RD	51418BR006	NRG ONCOLOGY	67	-
US Dept of Health and Human Services	Pass-through	93.RD	269589-MSU	TEMPLE UNIV	100	-
US Dept of Health and Human Services	Pass-through	93.RD	17RW5K002	VENTUREWELL	1,973	-
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	E20212408-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	7,058	-
US Dept of Health and Human Services	Pass-through	93.073	B11191_MSU	HENRY FORD HEALTH SYSTEM	66,864	-
US Dept of Health and Human Services	Pass-through	93.084	723K866	UNIVERSITY OF WISCONSIN	147,690	-
US Dept of Health and Human Services	Pass-through	93.084	723K866	UNIVERSITY OF WISCONSIN	25,691	-
US Dept of Health and Human Services	Pass-through	93.103	IP 444997	EN SOLUCION INC	43,067	-
US Dept of Health and Human Services	Pass-through	93.110	SUBK00009095	UNIVERSITY OF MICHIGAN	4,697	-
US Dept of Health and Human Services	Pass-through	93.113	1030306_MSU	OREGON HEALTH & SCIENCE UNIVERSITY	27,584	-
US Dept of Health and Human Services	Pass-through	93.113	7151-MS-Y01	SILENT SPRING INST	13,257	-
US Dept of Health and Human Services	Pass-through	93.113	AWD101249 (SUB00000306)	UNIVERSITY OF CHICAGO	9,122	-
US Dept of Health and Human Services	Pass-through	93.113	3R8B7	UNIVERSITY OF NEW MEXICO	80,754	-
US Dept of Health and Human Services	Pass-through	93.113	5121782	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	23,503	-
US Dept of Health and Human Services	Pass-through	93.113	138028 SP-003429	WASHINGTON STATE UNIV	7,286	-
US Dept of Health and Human Services	Pass-through	93.113	19-579-MSU	WEST VIRGINIA UNIV	18,196	-
US Dept of Health and Human Services	Pass-through	93.121	2R44-04-01	NANOMAG LLC	8,173	-
US Dept of Health and Human Services	Pass-through	93.121	S01206-01	UNIVERSITY OF IOWA	54,227	-
US Dept of Health and Human Services	Pass-through	93.121	3200004178-22-041	UNIVERSITY OF KENTUCKY	20,470	-
US Dept of Health and Human Services	Pass-through	93.121	SUBK00008454	UNIVERSITY OF MICHIGAN	2,576	-
US Dept of Health and Human Services	Pass-through	93.121	SUBK00016508	UNIVERSITY OF MICHIGAN	24,893	-
US Dept of Health and Human Services	Pass-through	93.121	UWSC13623	UNIVERSITY OF WASHINGTON	74,342	-
US Dept of Health and Human Services	Pass-through	93.135	COVID-19 - SUBK00016258	UNIVERSITY OF MICHIGAN	264,298	-
US Dept of Health and Human Services	Pass-through	93.135	SUBK00009677	UNIVERSITY OF MICHIGAN	179,875	-
US Dept of Health and Human Services	Pass-through	93.136	S0900014514-01	GEORGIA STATE UNIV	25,598	-
US Dept of Health and Human Services	Pass-through	93.136	IP 00540051	JOHNS HOPKINS UNIV	17,118	-
US Dept of Health and Human Services	Pass-through	93.136	SUBK00016076	UNIVERSITY OF MICHIGAN	64,474	-
US Dept of Health and Human Services	Pass-through	93.136	WSU20029 Grant Index # 340518	WAYNE STATE UNIV	8,420	-
US Dept of Health and Human Services	Pass-through	93.143	SUBK00013826	UNIVERSITY OF MICHIGAN	61,443	-
US Dept of Health and Human Services	Pass-through	93.173	18-0527	UNIVERSITY OF MICHIGAN	13,226	-
US Dept of Health and Human Services	Pass-through	93.173	800198	BRIGHAM YOUNG UNIV	57,014	-
US Dept of Health and Human Services	Pass-through	93.173	BL-4633518-MSU	DREXEL UNIV	13,755	-
US Dept of Health and Human Services	Pass-through	93.173	GR118916	INDIANA UNIV	90,487	-
US Dept of Health and Human Services	Pass-through	93.173	92910	OHIO STATE UNIV	18,417	-
US Dept of Health and Human Services	Pass-through	93.173	55543	SHIRLEY RYAN ABILITYLAB	24,272	-
US Dept of Health and Human Services	Pass-through	93.173	55543	UNIVERSITY OF DELAWARE	48,467	-
US Dept of Health and Human Services	Pass-through	93.173	3004138691	UNIVERSITY OF MICHIGAN	45,513	-
US Dept of Health and Human Services	Pass-through	93.173	SUBK00015768	UNIVERSITY OF MICHIGAN	78	-
US Dept of Health and Human Services	Pass-through	93.213	00001330	BROWN UNIV	1,660	-
US Dept of Health and Human Services	Pass-through	93.242	00001259	BROWN UNIV	8,276	-
US Dept of Health and Human Services	Pass-through	93.242	5001421	BUTLER HOSPITAL	5,318	-
US Dept of Health and Human Services	Pass-through	93.242	A639303	EMORY UNIV	1,038	-
US Dept of Health and Human Services	Pass-through	93.242	E2049281	GEORGE MASON UNIV	202,318	-
US Dept of Health and Human Services	Pass-through	93.242	S002139-DHHS	PENNSYLVANIA STATE UNIV	115,152	-
US Dept of Health and Human Services	Pass-through	93.242	10-124646-8097-46	PHYSICAL SCIENCES INC	69,405	-
US Dept of Health and Human Services	Pass-through	93.242	5-27254	SCRPPS RESEARCH INST	17,606	-
US Dept of Health and Human Services	Pass-through	93.242	5076-MSU	SIMMERSON	31,416	-
US Dept of Health and Human Services	Pass-through	93.242	A20-05857-S001	UNIVERSITY OF CALIFORNIA DAVIS	24,854	-
US Dept of Health and Human Services	Pass-through	93.242	SUBK00011439	UNIVERSITY OF MICHIGAN	10,431	-
US Dept of Health and Human Services	Pass-through	93.242	SUBK00012602	UNIVERSITY OF MICHIGAN	409,509	-
US Dept of Health and Human Services	Pass-through	93.242	5119312	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	113,864	-
US Dept of Health and Human Services	Pass-through	93.242	417889G.URFAO.GRS50333	UNIVERSITY OF ROCHESTER	46,615	-
US Dept of Health and Human Services	Pass-through	93.243	1H79T080350	FLINT ODYSSEY HOUSE HEALTH AWARENESS CENTER	41,910	-
US Dept of Health and Human Services	Pass-through	93.243	SUBK00016671	UNIVERSITY OF MICHIGAN	15,011	-
US Dept of Health and Human Services	Pass-through	93.262	S0045220	UNIVERSITY OF IOWA	5,369	-
US Dept of Health and Human Services	Pass-through	93.268	E2022498-001 AB	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	10,727	-
US Dept of Health and Human Services	Pass-through	93.273	IP 565235	PARTNERSHIP TO END ADDICTION	5,678	-
US Dept of Health and Human Services	Pass-through	93.273	SUBK00014130	UNIVERSITY OF MICHIGAN	33,460	-
US Dept of Health and Human Services	Pass-through	93.279	E2056614	GEORGE MASON UNIV	124,248	-
US Dept of Health and Human Services	Pass-through	93.279	1243551SUB	SEATTLE CHILDRENS HOSPITAL	3,340	-
US Dept of Health and Human Services	Pass-through	93.279	12751SUB	SEATTLE CHILDRENS HOSPITAL	15,670	-
US Dept of Health and Human Services	Pass-through	93.279	18-023	UNIVERSITY OF TEXAS MEDICAL BRANCH	2,305	-
US Dept of Health and Human Services	Pass-through	93.279	21-8542-06	UNIVERSITY OF TEXAS MEDICAL BRANCH	94,843	-
US Dept of Health and Human Services	Pass-through	93.286	F64758	CENTRAL MICHIGAN UNIV	206,437	-
US Dept of Health and Human Services	Pass-through	93.286	2003719763	JOHNS HOPKINS UNIV	151,286	-
US Dept of Health and Human Services	Pass-through	93.286	238553	MASSACHUSETTS GENERAL HOSPITAL	283,191	-
US Dept of Health and Human Services	Pass-through	93.307	26036A01-04	UNIVERSITY OF CENTRAL FLORIDA	242,954	-
US Dept of Health and Human Services	Pass-through	93.307	26036A04	UNIVERSITY OF CENTRAL FLORIDA	10,505	-
US Dept of Health and Human Services	Pass-through	93.307	26036A05	UNIVERSITY OF CENTRAL FLORIDA	12,632	-
US Dept of Health and Human Services	Pass-through	93.307	SUBK00013082	UNIVERSITY OF MICHIGAN	21,697	-
US Dept of Health and Human Services	Pass-through	93.310	A03-5278	DUKE UNIV	58,489	-
US Dept of Health and Human Services	Pass-through	93.310	SUB00001823	UNIVERSITY OF GEORGIA	85,917	-
US Dept of Health and Human Services	Pass-through	93.310	SUB00001823-4A	UNIVERSITY OF GEORGIA	58,835	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
US Dept of Health and Human Services	Pass-through	93.310	093670-18116	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	\$ 58,221	\$ -
US Dept of Health and Human Services	Pass-through	93.310	5118542 YRS	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	18,361	-
US Dept of Health and Human Services	Pass-through	93.310	5121986	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	95,104	-
US Dept of Health and Human Services	Pass-through	93.310	COVID-19 - 5130993	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	2,310	-
US Dept of Health and Human Services	Pass-through	93.323	E20215203-00-AS	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	364,285	-
US Dept of Health and Human Services	Pass-through	93.323	E20215204	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	320,268	-
US Dept of Health and Human Services	Pass-through	93.323	E20222072-00 D	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	19,142	-
US Dept of Health and Human Services	Pass-through	93.323	E20224019-00 AI	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	1,128,450	-
US Dept of Health and Human Services	Pass-through	93.323	E20224022-00 AJ	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	965,915	-
US Dept of Health and Human Services	Pass-through	93.323	E20224223-00 AL	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	50,834	-
US Dept of Health and Human Services	Pass-through	93.323	E20224543-00-AS	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	57,059	-
US Dept of Health and Human Services	Pass-through	93.351	215720B	UNIVERSITY OF OREGON	(1,660)	-
US Dept of Health and Human Services	Pass-through	93.353	SUBK00010769	UNIVERSITY OF MICHIGAN	49,960	-
US Dept of Health and Human Services	Pass-through	93.361	0001018678	FRED HUTCHINSON CANCER RESEARCH CENTER	20,901	-
US Dept of Health and Human Services	Pass-through	93.361	176531108-Sub02	RUSH UNIV MEDICAL CENTER	56,333	-
US Dept of Health and Human Services	Pass-through	93.361	18225	UNIVERSITY OF ILLINOIS CHICAGO	3,612	-
US Dept of Health and Human Services	Pass-through	93.361	SUBK00013486	UNIVERSITY OF MICHIGAN	121,075	-
US Dept of Health and Human Services	Pass-through	93.393	481270	UNIVERSITY OF ARIZONA	35,603	-
US Dept of Health and Human Services	Pass-through	93.393	5115142	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	82,459	-
US Dept of Health and Human Services	Pass-through	93.393	580371	UNIVERSITY OF PENNSYLVANIA	233,163	-
US Dept of Health and Human Services	Pass-through	93.394	750002	PROTEOGENOMICS RESEARCH INST FOR SYSTEMS	185,200	-
US Dept of Health and Human Services	Pass-through	93.395	FP00300519_SUB137-01	CHILDRENS HOSPITAL OF PHILADELPHIA	63	-
US Dept of Health and Human Services	Pass-through	93.395	233016	MASSACHUSETTS GENERAL HOSPITAL	43,808	-
US Dept of Health and Human Services	Pass-through	93.395	U10CA180886	PUBLIC HEALTH INSTITUTE	3,785	-
US Dept of Health and Human Services	Pass-through	93.395	450683	UNIVERSITY OF ARIZONA	33,563	-
US Dept of Health and Human Services	Pass-through	93.434	213971-GSRPEV4	MICHIGAN DEPT OF EDUCATION	68,080	-
US Dept of Health and Human Services	Pass-through	93.434	213971-GSRPEV5	MICHIGAN DEPT OF EDUCATION	1,343	-
US Dept of Health and Human Services	Pass-through	93.434	223971-GSRPEV5	MICHIGAN DEPT OF EDUCATION	51,082	-
US Dept of Health and Human Services	Pass-through	93.604	E20224220-00 AK	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	39,632	-
US Dept of Health and Human Services	Pass-through	93.786	E20224220-00 AL	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	168,038	-
US Dept of Health and Human Services	Pass-through	93.786	E2022498-00 AB	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	194,312	-
US Dept of Health and Human Services	Pass-through	93.786	E2022498-00 AB	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	3,154	-
US Dept of Health and Human Services	Pass-through	93.837	0001794718	CEDARS SINAI HEALTH SYSTEM	11,770	-
US Dept of Health and Human Services	Pass-through	93.837	3200003472-21-016	UNIVERSITY OF KENTUCKY	8,281	-
US Dept of Health and Human Services	Pass-through	93.837	320004236-22-020	UNIVERSITY OF KENTUCKY	80,953	-
US Dept of Health and Human Services	Pass-through	93.837	320004236-22-020	UNIVERSITY OF KENTUCKY	6,934	-
US Dept of Health and Human Services	Pass-through	93.837	3004463783	UNIVERSITY OF MICHIGAN	7,525	-
US Dept of Health and Human Services	Pass-through	93.837	N008545201	UNIVERSITY OF MINNESOTA	90,477	-
US Dept of Health and Human Services	Pass-through	93.837	WU-19-133	WASHINGTON UNIV IN ST LOUIS	15,533	-
US Dept of Health and Human Services	Pass-through	93.838	320326	BRIGHAM & WOMENS HOSPITAL	103,568	-
US Dept of Health and Human Services	Pass-through	93.838	A17-0040-S005	UNIVERSITY OF MEMPHIS	2,825	-
US Dept of Health and Human Services	Pass-through	93.838	540544	UNIVERSITY OF MEMPHIS	88,266	-
US Dept of Health and Human Services	Pass-through	93.839	CNVA00054669 (131801-21)	UNIVERSITY OF PITTSBURGH	4,907	-
US Dept of Health and Human Services	Pass-through	93.846	5022072_SERV	TUFTS MEDICAL CENTER	31,703	-
US Dept of Health and Human Services	Pass-through	93.846	00051204-SP004-SC003	UNIVERSITY OF ALABAMA AT BIRMINGHAM	20,241	-
US Dept of Health and Human Services	Pass-through	93.846	000514824-SP004-SC003-Vaz	UNIVERSITY OF ALABAMA AT BIRMINGHAM	727	-
US Dept of Health and Human Services	Pass-through	93.846	000526695-SC002	UNIVERSITY OF ALABAMA AT BIRMINGHAM	24,776	-
US Dept of Health and Human Services	Pass-through	93.847	WBH202109_MSU	BEAUMONT HOSPITAL	59,912	-
US Dept of Health and Human Services	Pass-through	93.847	320323MSU	DIGNITY HEALTH - ST. JOSEPH'S HOSPITAL AND MEDICAL CENTER	9,481	-
US Dept of Health and Human Services	Pass-through	93.847	17A1-00-07381-01	NEW YORK UNIV SCHOOL OF MEDICINE	83,351	-
US Dept of Health and Human Services	Pass-through	93.847	GR113076	OHIO STATE UNIV	9,134	-
US Dept of Health and Human Services	Pass-through	93.847	SPC-1000004854 / GR122875	OHIO STATE UNIV	35,409	-
US Dept of Health and Human Services	Pass-through	93.847	AWD100466 (SUB0000162)	UNIVERSITY OF CHICAGO	191,231	-
US Dept of Health and Human Services	Pass-through	93.847	SUBK00014728	UNIVERSITY OF MICHIGAN	48,614	-
US Dept of Health and Human Services	Pass-through	93.847	516414	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	87,794	-
US Dept of Health and Human Services	Pass-through	93.847	UTA19-001577	UNIVERSITY OF TEXAS AT AUSTIN	123,219	-
US Dept of Health and Human Services	Pass-through	93.853	7000000711	BAYLOR COLLEGE OF MEDICINE	122,184	-
US Dept of Health and Human Services	Pass-through	93.853	1(G0015025-01)	COLUMBIA UNIV	60,140	-
US Dept of Health and Human Services	Pass-through	93.853	235227	MASSACHUSETTS GENERAL HOSPITAL	57,004	-
US Dept of Health and Human Services	Pass-through	93.853	370117-02	MOREHOUSE SCHOOL OF MEDICINE	12,152	-
US Dept of Health and Human Services	Pass-through	93.853	000526030-003	UNIVERSITY OF ALABAMA	4,101	-
US Dept of Health and Human Services	Pass-through	93.853	577746	UNIVERSITY OF ARIZONA	10,612	-
US Dept of Health and Human Services	Pass-through	93.853	642722	UNIVERSITY OF ARIZONA	44,576	-
US Dept of Health and Human Services	Pass-through	93.853	17546-00	UNIVERSITY OF ILLINOIS CHICAGO	344,911	-
US Dept of Health and Human Services	Pass-through	93.853	SUBK00015115	UNIVERSITY OF MICHIGAN	16,010	-
US Dept of Health and Human Services	Pass-through	93.853	417168	UNIVERSITY OF ROCHESTER	47,185	-
US Dept of Health and Human Services	Pass-through	93.853	SUB00000020UR FAO.GR530629	UNIVERSITY OF ROCHESTER	15,023	-
US Dept of Health and Human Services	Pass-through	93.855	2(G0011631-19)	COLUMBIA UNIV	7,471	-
US Dept of Health and Human Services	Pass-through	93.855	2(G0011631-25) POSAPO G159931	COLUMBIA UNIV	16,513	-
US Dept of Health and Human Services	Pass-through	93.855	623828MSU	HENRY FORD HEALTH SYSTEM	34,988	-
US Dept of Health and Human Services	Pass-through	93.855	IP 521454	IASO THERAPEUTICS NC	3,427	-
US Dept of Health and Human Services	Pass-through	93.855	9342-MSU	INDIANA UNIV	48,028	-
US Dept of Health and Human Services	Pass-through	93.855	8577	INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS	35,771	-
US Dept of Health and Human Services	Pass-through	93.855	1275 PO 1317755	RUTGERS UNIVERSITY	9,498	-
US Dept of Health and Human Services	Pass-through	93.855	3201778-00	SEATTLE CHILDRENS RESEARCH INST	52,254	-
US Dept of Health and Human Services	Pass-through	93.855	124035UB	SEATTLE CHILDRENS RESEARCH INST	86,748	-
US Dept of Health and Human Services	Pass-through	93.855	540478 A00-0194-S004	UNIVERSITY OF MEMPHIS	99,461	-
US Dept of Health and Human Services	Pass-through	93.855	SUBK00009134	UNIVERSITY OF MICHIGAN	124,544	-
US Dept of Health and Human Services	Pass-through	93.855	VUMC63296	VANDERBILT UNIV	48,613	-
US Dept of Health and Human Services	Pass-through	93.855	15B14162452-01-MSU	VISIONQUEST BIOMEDICAL LLC	8,027	-
US Dept of Health and Human Services	Pass-through	93.855	2R44A112164-05-MSU	VISIONQUEST BIOMEDICAL LLC	15,016	-
US Dept of Health and Human Services	Pass-through	93.855	SA26579	WELLESLEY COLLEGE	5,816	-
US Dept of Health and Human Services	Pass-through	93.855	GR106287 (CON-80001799)	YALE UNIV	132,769	-
US Dept of Health and Human Services	Pass-through	93.859	8721	INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS	10,474	-
US Dept of Health and Human Services	Pass-through	93.859	TUL-H5C-659670-2122	TULANE UNIV	9,465	-
US Dept of Health and Human Services	Pass-through	93.859	R005236 MSU	NORTHWESTERN UNIV	(51,258)	-
US Dept of Health and Human Services	Pass-through	93.859	S-001206	UNIVERSITY OF CALIFORNIA RIVERSIDE	8,679	-
US Dept of Health and Human Services	Pass-through	93.859	RS20210516-01	UNIVERSITY OF OKLAHOMA	36,428	-
US Dept of Health and Human Services	Pass-through	93.865	GC10075-00-05	DARTMOUTH HITCCHOCK MEDICAL CENTER	9,248	-
US Dept of Health and Human Services	Pass-through	93.865	R000002924	FLORIDA STATE UNIV	37,399	-
US Dept of Health and Human Services	Pass-through	93.865	18-A1-00-1001408	NEW YORK UNIV SCHOOL OF MEDICINE	506,613	-
US Dept of Health and Human Services	Pass-through	93.865	COVID-19 - 20-A0-S1-1001408	NEW YORK UNIV SCHOOL OF MEDICINE	107,287	-
US Dept of Health and Human Services	Pass-through	93.865	ZAC00040	UNIV OF KANSAS MEDICAL CENTER RESEARCH INST NC	2,403	-
US Dept of Health and Human Services	Pass-through	93.865	577024	UNIVERSITY OF ARIZONA	35,155	-
US Dept of Health and Human Services	Pass-through	93.865	OS022227-00	UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL	8,932	-
US Dept of Health and Human Services	Pass-through	93.865	SUBK00010325	UNIVERSITY OF MICHIGAN	12,620	-
US Dept of Health and Human Services	Pass-through	93.865	SUBK00012324	UNIVERSITY OF MICHIGAN	8,782	-
US Dept of Health and Human Services	Pass-through	93.865	5112242	UNIVERSITY OF NORTH CAROLINA	18,810	-
US Dept of Health and Human Services	Pass-through	93.865	5122929	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	206,760	-
US Dept of Health and Human Services	Pass-through	93.865	22349532	UNIVERSITY OF WISCONSIN MADISON	12,837	-
US Dept of Health and Human Services	Pass-through	93.865	VUMC67407	VANDERBILT UNIV MEDICAL CENTER	(395)	-
US Dept of Health and Human Services	Pass-through	93.866	AG05274-MSU	CAYMAN CHEMICAL CO INC	213,325	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00007977	UNIVERSITY OF MICHIGAN	24,855	-
US Dept of Health and Human Services	Pass-through	93.866	32114-MSU	DIGNITY HEALTH - ST. JOSEPH'S HOSPITAL AND MEDICAL CENTER	480,711	224,229
US Dept of Health and Human Services	Pass-through	93.866	GVSU-207042-01	GRAND VALLEY STATE UNIV	49,944	-
US Dept of Health and Human Services	Pass-through	93.866	GVSU-207042-01	GRAND VALLEY STATE UNIV	9,859	-
US Dept of Health and Human Services	Pass-through	93.866	GVSU-FOAP-TBD GVSU-207047-01	GRAND VALLEY STATE UNIV	1,289	-
US Dept of Health and Human Services	Pass-through	93.866	H-1R44G058330-01	HESPEROS INC	93,804	-
US Dept of Health and Human Services	Pass-through	93.866	R43AG060886	HESPEROS INC	5,696	-
US Dept of Health and Human Services	Pass-through	93.866	17030321	MICHIGAN TECHNOLOGICAL UNIVERSITY	110,067	-
US Dept of Health and Human Services	Pass-through	93.866	000526683-SC002	UNIVERSITY OF ALABAMA AT BIRMINGHAM	58,948	-
US Dept of Health and Human Services	Pass-through	93.866	000528982-SC002	UNIVERSITY OF ALABAMA AT BIRMINGHAM	10,107	-
US Dept of Health and Human Services	Pass-through	93.866	3200004422-22-121	UNIVERSITY OF KENTUCKY	90,892	-
US Dept of Health and Human Services	Pass-through	93.866	3004127215	UNIVERSITY OF MICHIGAN	8	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00007878	UNIVERSITY OF MICHIGAN	57,390	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00007878	UNIVERSITY OF MICHIGAN	39,900	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00007977	UNIVERSITY OF MICHIGAN	122,207	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00010887	UNIVERSITY OF MICHIGAN	53,081	-

Schedule of Expenditures of Federal Awards

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Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>RESEARCH AND DEVELOPMENT CLUSTER (CONTINUED)</b>						
US Dept of Health and Human Services	Pass-through	93.866	SUBK00011775	UNIVERSITY OF MICHIGAN	\$ 97	\$ -
US Dept of Health and Human Services	Pass-through	93.866	SUBK00013940	UNIVERSITY OF MICHIGAN	330,008	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00013940	UNIVERSITY OF MICHIGAN	5,693	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00014013	UNIVERSITY OF MICHIGAN	594	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00014129	UNIVERSITY OF MICHIGAN	4,489	-
US Dept of Health and Human Services	Pass-through	93.866	P09020701	UNIVERSITY OF MINNESOTA	134,644	-
US Dept of Health and Human Services	Pass-through	93.866	C00067509-1	UNIVERSITY OF MISSOURI	27,535	-
US Dept of Health and Human Services	Pass-through	93.866	RF00108-2021-0316	UNIVERSITY OF NORTH TEXAS	108,702	-
US Dept of Health and Human Services	Pass-through	93.866	UTA18-000523	UNIVERSITY OF TEXAS AT AUSTIN	27,123	-
US Dept of Health and Human Services	Pass-through	93.866	192236	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	2,232	-
US Dept of Health and Human Services	Pass-through	93.866	GMO 181212	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	150,496	-
US Dept of Health and Human Services	Pass-through	93.866	GMO200807	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	61,981	-
US Dept of Health and Human Services	Pass-through	93.866	WSU21068	WAYNE STATE UNIV	53,663	-
US Dept of Health and Human Services	Pass-through	93.867	450002464	BOSTON UNIV	15,986	-
US Dept of Health and Human Services	Pass-through	93.867	1019606_MSU	OREGON HEALTH & SCIENCE UNIVERSITY	9,352	-
US Dept of Health and Human Services	Pass-through	93.867	000518070-002	UNIVERSITY OF ALABAMA AT BIRMINGHAM	8,891	-
US Dept of Health and Human Services	Pass-through	93.867	000528866-SC002	UNIVERSITY OF ALABAMA AT BIRMINGHAM	100,995	-
US Dept of Health and Human Services	Pass-through	93.867	2019-3696	UNIVERSITY OF CALIFORNIA IRVINE	250,582	-
US Dept of Health and Human Services	Pass-through	93.872	FY21-494.004	UNIVERSITY OF COLORADO	20,011	-
US Dept of Health and Human Services	Pass-through	93.872	FY21-494.004	UNIVERSITY OF COLORADO	6,582	-
US Dept of Health and Human Services	Pass-through	93.879	1090686-4A9381	CARNEGIE MELLON UNIV	36,524	-
US Dept of Health and Human Services	Pass-through	93.879	SUB00001942	UNIVERSITY OF FLORIDA	72,532	-
US Dept of Health and Human Services	Pass-through	93.958	E20212706-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	52,967	-
US Dept of Health and Human Services	Pass-through	93.958	E20222735-00 Q	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	432,739	-
US Dept of Health and Human Services	Pass-through	93.989	154626	COLUMBIA UNIV	10,840	-
US Dept of Health and Human Services	Pass-through	93.994	E20222498-00 AB	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	2,825	-
			<b>Pass-through Total</b>		15,644,099	224,229
			<b>US Dept of Health and Human Services Total</b>		106,204,080	18,915,625
US Dept of Homeland Security	Pass-through	97.061	ASUB09000368	ARIZONA STATE UNIV	(2)	-
US Dept of Homeland Security	Pass-through	97.061	E2051658	GEORGE MASON UNIV	(4,188)	342
US Dept of Homeland Security	Pass-through	97.061	E205577C	GEORGE MASON UNIV	43,808	-
US Dept of Homeland Security	Pass-through	97.061	44-0108-1001-416	UNIVERSITY OF NEBRASKA OMAHA	199,794	41,136
			<b>US Dept of Homeland Security Total</b>		239,412	41,478
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	2,400,595	1,625,368
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	227,292	-
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	173,654	-
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	125,600	11,384
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	18,711	-
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	11,003	-
US Agency for International Development	Direct	98.001	7200AA19LE00001	US AGENCY FOR INTL DEVELOPMENT	2,021,740	1,180,078
US Agency for International Development	Direct	98.001	7200AA19LE00001	US AGENCY FOR INTL DEVELOPMENT	284,288	50,000
US Agency for International Development	Direct	98.001	7200AA19LE00001	US AGENCY FOR INTL DEVELOPMENT	251,712	160,000
US Agency for International Development	Direct	98.001	7200AA19LE00001	US AGENCY FOR INTL DEVELOPMENT	29,927	-
US Agency for International Development	Direct	98.001	7200AA19LE00001	US AGENCY FOR INTL DEVELOPMENT	4,370	-
US Agency for International Development	Direct	98.001	7200AA21CA00018	US AGENCY FOR INTL DEVELOPMENT	1,351,184	814,351
US Agency for International Development	Direct	98.001	72062119LA00001	US AGENCY FOR INTL DEVELOPMENT	1,135,796	713,716
US Agency for International Development	Direct	98.001	AID-482-LA-14-00003	US AGENCY FOR INTL DEVELOPMENT	1,413	-
US Agency for International Development	Direct	98.001	AID-420-LA-15-00001	US AGENCY FOR INTL DEVELOPMENT	7	-
US Agency for International Development	Direct	98.001	AID-688-A-16-00001	US AGENCY FOR INTL DEVELOPMENT	(1,680)	-
US Agency for International Development	Direct	98.001	AID-OAA-A-15-00056	US AGENCY FOR INTL DEVELOPMENT	31,143	40,646
US Agency for International Development	Direct	98.001	COVID-19 - 7200AA19LE00001	US AGENCY FOR INTL DEVELOPMENT	11,121	-
US Agency for International Development	Direct	98.001	COVID-19 - 7200AA20LA00002	US AGENCY FOR INTL DEVELOPMENT	737,210	593,349
			<b>Direct Total</b>		8,814,986	5,188,922
US Agency for International Development	Pass-through	98.001	89915-11361	CORNELL UNIV	4,305	2,151
US Agency for International Development	Pass-through	98.001	00460011	INTL FERTILIZER DEVELOPMENT CENTER	54,785	37,000
US Agency for International Development	Pass-through	98.001	2019XZ79 MSU	INTL FOOD POLICY RESEARCH INST	144,362	-
US Agency for International Development	Pass-through	98.001	2021X12 MSU	INTL FOOD POLICY RESEARCH INST	655,533	-
US Agency for International Development	Pass-through	98.001	2021XZ84 MSU	INTL FOOD POLICY RESEARCH INST	412,433	-
US Agency for International Development	Pass-through	98.001	AID-BFS-G11-00002	INTL INST FOR TROPICAL AGRICULTURE	363,258	53,457
US Agency for International Development	Pass-through	98.001	A20-0163-S016	KANSAS STATE UNIV	90,518	-
US Agency for International Development	Pass-through	98.001	A20-0163-S019	KANSAS STATE UNIV	80,330	20,580
US Agency for International Development	Pass-through	98.001	193900.312455.12A	MISSISSIPPI STATE UNIV	14,865	-
US Agency for International Development	Pass-through	98.001	193900.312455.12B	MISSISSIPPI STATE UNIV	142,934	-
US Agency for International Development	Pass-through	98.001	193900.312455.12C	MISSISSIPPI STATE UNIV	9,416	-
US Agency for International Development	Pass-through	98.001	S002270-USAD	PENNSYLVANIA STATE UNIV	84,568	-
US Agency for International Development	Pass-through	98.001	1210691	RUTGERS UNIVERSITY	97,342	-
US Agency for International Development	Pass-through	98.001	6R703687 104042	TUFTS UNIV	10,597	-
US Agency for International Development	Pass-through	98.001	100538-18020	UNIVERSITY OF ILLINOIS	157,009	98,330
			<b>Pass-through Total</b>		2,322,255	211,518
			<b>US Agency for International Development Total</b>		11,137,241	5,400,410
			<b>RESEARCH AND DEVELOPMENT CLUSTER TOTAL</b>		380,322,166	42,257,157
<b>STUDENT FINANCIAL ASSISTANCE PROGRAMS CLUSTER</b>						
US Dept of Education	Direct	84.007	P007A212045 SEOG 21-22	US DEPT OF EDUCATION	1,567,168	-
US Dept of Education	Direct	84.033	P033A102045	US DEPT OF EDUCATION	(167)	-
US Dept of Education	Direct	84.033	P033A102045	US DEPT OF EDUCATION	(741,509)	-
US Dept of Education	Direct	84.033	P033A212045 FWS 21-22	US DEPT OF EDUCATION	2,840,666	-
US Dept of Education	Direct	84.033	USDE P033A212045 FWS JL 21-22	US DEPT OF EDUCATION	26,430	-
US Dept of Education	Direct	84.033	USDE P033A212045 FWS JL 21-22	US DEPT OF EDUCATION	30,909	-
US Dept of Education	Direct	84.038	VARIOUS PERKINS	U.S. DEPT OF EDUCATION	11,728,552	-
US Dept of Education	Direct	84.063	P063P110233 PELL ADMIN ALLOWANCE	U.S. DEPT OF EDUCATION	43,240	-
US Dept of Education	Direct	84.063	P063P110233	U.S. DEPT OF EDUCATION	(83,802)	-
US Dept of Education	Direct	84.063	USDE P063P210233 PELL 21-22	U.S. DEPT OF EDUCATION	44,464,177	-
US Dept of Education	Direct	84.288	FED DIRECT LOAN PROGRAM	U.S. DEPT OF EDUCATION	318,483,432	-
US Dept of Education	Direct	84.288	FED DIRECT LOAN PROGRAM	U.S. DEPT OF EDUCATION	1,523,496	-
US Dept of Education	Direct	84.288	FED DIRECT LOAN PROGRAM	U.S. DEPT OF EDUCATION	(21,692)	-
US Dept of Education	Direct	84.379	P379T220233 TEACH 21-22	US DEPT OF EDUCATION	88,642	-
			<b>US Dept of Education Total</b>		379,769,542	-
US Dept of Health and Human Services	Direct	93.284	VARIOUS - NURSING FACULTY PROG STUDENT LOANS	HEALTH & HUMAN SERV US DEPT OF	445,190	-
US Dept of Health and Human Services	Direct	93.342	VARIOUS - HEALTH PROFESSIONAL STUDENT LOANS	HEALTH & HUMAN SERV US DEPT OF	15,601,252	-
US Dept of Health and Human Services	Direct	93.354	VARIOUS - NURSING PROFESSION STUDENT LOANS	HEALTH & HUMAN SERV US DEPT OF	31,198	-
US Dept of Health and Human Services	Direct	93.925	T08P38204	HEALTH RESOURCES & SERVICES ADMINISTRATION	190,807	-
			<b>US Dept of Health and Human Services Total</b>		16,268,447	-
			<b>STUDENT FINANCIAL ASSISTANCE PROGRAMS CLUSTER TOTAL</b>		396,037,989	-
<b>HEAD START CLUSTER</b>						
US Dept of Health and Human Services	Pass-through	93.600	05CH3865EL	CACS HEAD START	83,929	-
US Dept of Health and Human Services	Pass-through	93.600	05CH8365	CACS HEAD START	57,973	-
US Dept of Health and Human Services	Pass-through	93.600	05CH8365	CACS HEAD START	13,500	-
US Dept of Health and Human Services	Pass-through	93.600	05CH8365	CACS HEAD START	2,375	-
US Dept of Health and Human Services	Pass-through	93.600	WSU191130	WAYNE STATE UNIV	14,302	-
			<b>US Dept of Health and Human Services Total</b>		172,079	-
			<b>HEAD START CLUSTER TOTAL</b>		172,079	-
<b>CCDF CLUSTER</b>						
US Dept of Health and Human Services	Pass-through	93.575	2131AS-GSRPEVS	MICHIGAN DEPT OF EDUCATION	6,794	-
			<b>CCDF CLUSTER TOTAL</b>		6,794	-
<b>ECONOMIC DEVELOPMENT CLUSTER</b>						
US Dept of Commerce	Direct	11.307	COVID-19 - ED20CH9070035	US ECONOMIC DEVELOPMENT ADMINISTRATION	152,805	-
			<b>ECONOMIC DEVELOPMENT CLUSTER TOTAL</b>		152,805	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>FISH AND WILDLIFE CLUSTER</b>						
US Dept of Interior	Pass-through	15.611	GG 75122000001052 / WLD1614	MICHIGAN DEPT OF NATURAL RESOURCES	\$ 67,340	\$ -
US Dept of Interior	Pass-through	15.611	MSU-001	NEVADA DEPARTMENT OF WILDLIFE	(355)	-
US Dept of Interior	Pass-through	15.611	IP# 00580166	NORTH DAKOTA GAME & FISH DEPARTMENT	8,884	-
			<b>US Dept of Interior Total</b>		<b>75,869</b>	<b>-</b>
<b>FISH AND WILDLIFE CLUSTER TOTAL</b>						
					<b>75,869</b>	<b>-</b>
<b>FOREIGN FOOD AID DONATION CLUSTER</b>						
US Dept of Agriculture	Pass-through	10.606	S-MSU03	TECHNOSERVE	23,165	(2,242)
			<b>FOREIGN FOOD AID DONATION CLUSTER TOTAL</b>		<b>23,165</b>	<b>(2,242)</b>
<b>HIGHWAY PLANNING AND CONSTRUCTION CLUSTER</b>						
US Dept of Transportation	Pass-through	20.205	MSUAP01-CEE	MICHIGAN FITNESS FOUNDATION	112,882	-
US Dept of Transportation	Pass-through	20.205	MSUAP01-CEE	MICHIGAN FITNESS FOUNDATION	81,769	-
US Dept of Transportation	Pass-through	20.205	MSUAP01-SPDC	MICHIGAN FITNESS FOUNDATION	67,916	-
US Dept of Transportation	Pass-through	20.205	MSUAP01-SPDC	MICHIGAN FITNESS FOUNDATION	58,626	-
US Dept of Transportation	Pass-through	20.205	MSUAP01-SPDC	MICHIGAN FITNESS FOUNDATION	11,759	-
US Dept of Transportation	Pass-through	20.205	1036336	MINNESOTA DEPT OF TRANSPORTATION	13,931	-
US Dept of Transportation	Pass-through	20.205	SPR-RE22(010)-8H-00	STATE OF IOWA DEPT OF TRANSPORTATION	15,192	-
US Dept of Transportation	Pass-through	20.205	TFP-5(438)	STATE OF IOWA DEPT OF TRANSPORTATION	45,289	11,557
US Dept of Transportation	Pass-through	20.205	TFP-5(438)	STATE OF IOWA DEPT OF TRANSPORTATION	34,117	-
US Dept of Transportation	Pass-through	20.205	TFP-5(438)	STATE OF IOWA DEPT OF TRANSPORTATION	268	-
US Dept of Transportation	Pass-through	20.205	P732-19-803	STATE OF NEVADA DEPT OF TRANSPORTATION	94,868	-
			<b>US Dept of Transportation Total</b>		<b>536,617</b>	<b>11,557</b>
			<b>HIGHWAY PLANNING AND CONSTRUCTION CLUSTER TOTAL</b>		<b>536,617</b>	<b>11,557</b>
<b>HIGHWAY SAFETY CLUSTER</b>						
US Dept of Transportation	Pass-through	20.616	OP-21-03	MICHIGAN OFFICE OF HIGHWAY SAFETY PLANNING	43,069	-
US Dept of Transportation	Pass-through	20.616	OP-22-02	MICHIGAN OFFICE OF HIGHWAY SAFETY PLANNING	39,758	-
US Dept of Transportation	Pass-through	20.616	OP-22-03	MICHIGAN OFFICE OF HIGHWAY SAFETY PLANNING	76,659	-
			<b>US Dept of Transportation Total</b>		<b>159,486</b>	<b>-</b>
			<b>HIGHWAY SAFETY CLUSTER TOTAL</b>		<b>159,486</b>	<b>-</b>
<b>MEDICAID CLUSTER</b>						
US Dept of Health and Human Services	Pass-through	93.778	E20212014-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	24,624	-
US Dept of Health and Human Services	Pass-through	93.778	E20212107-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	101,616	-
US Dept of Health and Human Services	Pass-through	93.778	E20212706-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	48,812	-
US Dept of Health and Human Services	Pass-through	93.778	E20212710-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	18,967	-
US Dept of Health and Human Services	Pass-through	93.778	E20212711-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	42,433	-
US Dept of Health and Human Services	Pass-through	93.778	E20212712-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	237,555	168,927
US Dept of Health and Human Services	Pass-through	93.778	E20212713-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	230,929	39,764
US Dept of Health and Human Services	Pass-through	93.778	E20214040-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	28,613	-
US Dept of Health and Human Services	Pass-through	93.778	E20214043-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	18,553	-
US Dept of Health and Human Services	Pass-through	93.778	E20214692-00-AJ	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	25,730	-
US Dept of Health and Human Services	Pass-through	93.778	E20215035-00-AR	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	93,049	-
US Dept of Health and Human Services	Pass-through	93.778	E2021715-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	171,099	-
US Dept of Health and Human Services	Pass-through	93.778	E20222132-00 AF	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	506,762	7,047
US Dept of Health and Human Services	Pass-through	93.778	E20222209-00 O	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	170,338	-
US Dept of Health and Human Services	Pass-through	93.778	E20222210-00 Y	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	62,203	-
US Dept of Health and Human Services	Pass-through	93.778	E20222211-00 AA	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	111,894	-
US Dept of Health and Human Services	Pass-through	93.778	E20222212-00 AD	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	81,569	-
US Dept of Health and Human Services	Pass-through	93.778	E20222867-00 F	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	19,845	-
US Dept of Health and Human Services	Pass-through	93.778	E20222869-00 P	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	72,404	-
US Dept of Health and Human Services	Pass-through	93.778	E20223720-00 W	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	74,662	-
US Dept of Health and Human Services	Pass-through	93.778	20220008-00 AC	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	183,698	-
			<b>US Dept of Health and Human Services Total</b>		<b>2,325,355</b>	<b>215,738</b>
			<b>MEDICAID CLUSTER TOTAL</b>		<b>2,325,355</b>	<b>215,738</b>
<b>CDBG - ENTITLEMENT GRANTS CLUSTER</b>						
US Dept of Housing and Urban Development	Pass-through	14.218	B20MC260016	CITY OF WARREN	3,537	-
US Dept of Housing and Urban Development	Pass-through	14.218	IP 639513	EAST LANSING COMMUNITY BLOCK GRANT	2,644	-
			<b>US Dept of Housing and Urban Development Total</b>		<b>6,181</b>	<b>-</b>
			<b>CDBG - ENTITLEMENT GRANTS CLUSTER TOTAL</b>		<b>6,181</b>	<b>-</b>
<b>SNAP CLUSTER</b>						
US Dept of Agriculture	Pass-through	10.561	E20223962-00 AD	DATASHAPES LLC	\$ 4,708,952	\$ -
US Dept of Agriculture	Pass-through	10.561	E20213376-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	43,777	-
US Dept of Agriculture	Pass-through	10.561	E20213377-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	1,623,488	-
US Dept of Agriculture	Pass-through	10.561	E20222617-00 AE	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	145,127	-
			<b>US Dept of Agriculture Total</b>		<b>6,521,344</b>	<b>-</b>
			<b>SNAP CLUSTER TOTAL</b>		<b>6,521,344</b>	<b>-</b>
<b>TRIO CLUSTER</b>						
US Dept of Education	Direct	84.042	P04A200787	US DEPT OF EDUCATION	808,993	-
US Dept of Education	Direct	84.044	P04A4160125	US DEPT OF EDUCATION	150,313	-
			<b>US Dept of Education Total</b>		<b>959,306</b>	<b>-</b>
			<b>TRIO CLUSTER TOTAL</b>		<b>959,306</b>	<b>-</b>
<b>WIOA CLUSTER</b>						
US Dept of Labor	Pass-through	17.258	MICA 3.0_2021_IMPARTAlliance	MICHIGAN DEPT OF ENERGY LABOR & ECONOMIC GROWTH	12,711	-
			<b>WIOA CLUSTER TOTAL</b>		<b>12,711</b>	<b>-</b>
<b>TOTAL OTHER FEDERAL AWARDS CLUSTER</b>						
US Dept of Agriculture	Direct	10.001	58-6040-1011	AGRICULTURAL RESEARCH SERVICE	65	-
US Dept of Agriculture	Direct	10.001	59-6040-9-002	AGRICULTURAL RESEARCH SERVICE	12,000	-
US Dept of Agriculture	Direct	10.001	45-5484-8-0019 PHONE	USDA FOREST SERVICE	2,778	-
US Dept of Agriculture	Direct	10.001	GENERAL FISCAL AGENT	USDA FOREST SERVICE	609	-
US Dept of Agriculture	Direct	10.025	AP20VSD8B000C069	ANIMAL & PLANT HEALTH INSPECTION SERVICE	80,726	-
US Dept of Agriculture	Direct	10.025	AP21VSD8B000C113	ANIMAL & PLANT HEALTH INSPECTION SERVICE	184,928	-
US Dept of Agriculture	Direct	10.172	AM180100XXXXG125	AGRICULTURAL MARKETING SERVICE	61,135	15,000
US Dept of Agriculture	Direct	10.174	AM180100XXXXG153	AGRICULTURAL MARKETING SERVICE	80,097	-
US Dept of Agriculture	Direct	10.175	21FMPPM1020-00	AGRICULTURAL MARKETING SERVICE	27,872	-
US Dept of Agriculture	Direct	10.177	AM190100XXXXG182	AGRICULTURAL MARKETING SERVICE	188,804	-
US Dept of Agriculture	Direct	10.210	2017-38420-26759	NATIONAL INST OF FOOD & AGRICULTURE	37,885	-
US Dept of Agriculture	Direct	10.210	2017-38420-26823	NATIONAL INST OF FOOD & AGRICULTURE	48,335	-
US Dept of Agriculture	Direct	10.217	2019-70003-29088	NATIONAL INST OF FOOD & AGRICULTURE	61,056	36,449
US Dept of Agriculture	Direct	10.217	2019-70003-29088	NATIONAL INST OF FOOD & AGRICULTURE	9,425	-
US Dept of Agriculture	Direct	10.217	2020-70003-32298	NATIONAL INST OF FOOD & AGRICULTURE	26,454	-
US Dept of Agriculture	Direct	10.220	2018-38413-28142	NATIONAL INST OF FOOD & AGRICULTURE	34,945	-
US Dept of Agriculture	Direct	10.220	2018-38413-28143	NATIONAL INST OF FOOD & AGRICULTURE	33,854	-
US Dept of Agriculture	Direct	10.226	2020-38414-31877	NATIONAL INST OF FOOD & AGRICULTURE	36,085	1,804
US Dept of Agriculture	Direct	10.304	2021-37624-35418	NATIONAL INST OF FOOD & AGRICULTURE	230,974	-
US Dept of Agriculture	Direct	10.310	2022-67011-36561	AGRICULTURE & FOOD RESEARCH INITIATIVE	6,833	-
US Dept of Agriculture	Direct	10.310	2019-67011-39819	NATIONAL INST OF FOOD & AGRICULTURE	11,352	-
US Dept of Agriculture	Direct	10.310	2019-67012-29595	NATIONAL INST OF FOOD & AGRICULTURE	6,304	-
US Dept of Agriculture	Direct	10.310	2019-67012-29732	NATIONAL INST OF FOOD & AGRICULTURE	22,411	-
US Dept of Agriculture	Direct	10.310	2019-67012-34207	NATIONAL INST OF FOOD & AGRICULTURE	64,919	-
US Dept of Agriculture	Direct	10.310	2019-67012-34207	NATIONAL INST OF FOOD & AGRICULTURE	2,103	-
US Dept of Agriculture	Direct	10.310	2020-67034-31731	NATIONAL INST OF FOOD & AGRICULTURE	2,359	-
US Dept of Agriculture	Direct	10.310	2020-67034-31883	NATIONAL INST OF FOOD & AGRICULTURE	23,309	-
US Dept of Agriculture	Direct	10.310	2020-67034-31883	NATIONAL INST OF FOOD & AGRICULTURE	1,472	-
US Dept of Agriculture	Direct	10.310	2020-67034-31939	NATIONAL INST OF FOOD & AGRICULTURE	45,426	-
US Dept of Agriculture	Direct	10.310	2022-67037-31038	NATIONAL INST OF FOOD & AGRICULTURE	35,145	-
US Dept of Agriculture	Direct	10.310	2021-67013-35038	NATIONAL INST OF FOOD & AGRICULTURE	65,567	-
US Dept of Agriculture	Direct	10.310	2021-67012-35133	NATIONAL INST OF FOOD & AGRICULTURE	72,101	-
US Dept of Agriculture	Direct	10.310	2021-67012-35133	NATIONAL INST OF FOOD & AGRICULTURE	3,000	-
US Dept of Agriculture	Direct	10.310	2021-67034-35155	NATIONAL INST OF FOOD & AGRICULTURE	74,119	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>TOTAL OTHER FEDERAL AWARDS CLUSTER (CONTINUE)</b>						
US Dept of Agriculture	Direct	10.310	2021-67037-34621	NATIONAL INST OF FOOD & AGRICULTURE	\$ 7,324	\$ -
US Dept of Agriculture	Direct	10.310	2021-67037-34657	NATIONAL INST OF FOOD & AGRICULTURE	23,657	-
US Dept of Agriculture	Direct	10.310	2022-67011-36455	NATIONAL INST OF FOOD & AGRICULTURE	20,456	-
US Dept of Agriculture	Direct	10.310	2022-67011-36562	NATIONAL INST OF FOOD & AGRICULTURE	3,571	-
US Dept of Agriculture	Direct	10.310	2022-67011-36455	NATIONAL INST OF FOOD & AGRICULTURE	454	-
US Dept of Agriculture	Direct	10.311	2017-70017-26860	NATIONAL INST OF FOOD & AGRICULTURE	14,463	-
US Dept of Agriculture	Direct	10.311	2020-49400-32429	NATIONAL INST OF FOOD & AGRICULTURE	176,271	15,465
US Dept of Agriculture	Direct	10.311	2021-70033-35833	NATIONAL INST OF FOOD & AGRICULTURE	67,257	5,700
US Dept of Agriculture	Direct	10.311	COVID-19 - 2020-49400-32429	NATIONAL INST OF FOOD & AGRICULTURE	12,183	-
US Dept of Agriculture	Direct	10.329	2021-70006-35450	NATIONAL INST OF FOOD & AGRICULTURE	920	-
US Dept of Agriculture	Direct	10.329	2017-70006-27175	NATIONAL INST OF FOOD & AGRICULTURE	39,224	-
US Dept of Agriculture	Direct	10.329	2017-70006-27175	NATIONAL INST OF FOOD & AGRICULTURE	600	-
US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD & AGRICULTURE	798,381	412,853
US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD & AGRICULTURE	10,714	-
US Dept of Agriculture	Direct	10.329	2021-70006-35450	NATIONAL INST OF FOOD & AGRICULTURE	114,046	-
US Dept of Agriculture	Direct	10.329	2021-70006-35450	NATIONAL INST OF FOOD & AGRICULTURE	3,187	-
US Dept of Agriculture	Direct	10.329	IP 577955	NATIONAL INST OF FOOD & AGRICULTURE	25,601	-
US Dept of Agriculture	Direct	10.336	2018-70024-28817	NATIONAL INST OF FOOD & AGRICULTURE	40,388	-
US Dept of Agriculture	Direct	10.336	2018-70024-28817	NATIONAL INST OF FOOD & AGRICULTURE	27,584	9,104
US Dept of Agriculture	Direct	10.460	COVID-19 - 2020-49400-32429	US DEPT OF AGRICULTURE	89,454	-
US Dept of Agriculture	Direct	10.460	RMA21CPT0011591	US DEPT OF AGRICULTURE	29,271	-
US Dept of Agriculture	Direct	10.500	2018-41590-28722	NATIONAL INST OF FOOD & AGRICULTURE	202,630	107,011
US Dept of Agriculture	Direct	10.511	NI21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	1,981,444	-
US Dept of Agriculture	Direct	10.511	NI21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	1,906,651	-
US Dept of Agriculture	Direct	10.511	NI21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	1,360,590	-
US Dept of Agriculture	Direct	10.511	NI21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	914,236	-
US Dept of Agriculture	Direct	10.511	NI21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	884,963	-
US Dept of Agriculture	Direct	10.511	NI21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	703,739	-
US Dept of Agriculture	Direct	10.511	NI21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	142,011	-
US Dept of Agriculture	Direct	10.511	NI21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	139,016	-
US Dept of Agriculture	Direct	10.511	NI21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	123,525	-
US Dept of Agriculture	Direct	10.511	NI21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	57,746	-
US Dept of Agriculture	Direct	10.511	NI21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	18,136	-
US Dept of Agriculture	Direct	10.511	NI21SLBCXXXXG016-SMITH-LEVER	US DEPT OF AGRICULTURE	4,813	-
US Dept of Agriculture	Direct	10.511	NI22SLBCXXXXG006-SMITH-LEVER	US DEPT OF AGRICULTURE	54,005	-
US Dept of Agriculture	Direct	10.511	NI22SLBCXXXXG006-SMITH-LEVER	US DEPT OF AGRICULTURE	11,854	-
US Dept of Agriculture	Direct	10.511	NI22SLBCXXXXG006-SMITH-LEVER	US DEPT OF AGRICULTURE	1,739	-
US Dept of Agriculture	Direct	10.514	NI21EFNEPXXXXG002	US DEPT OF AGRICULTURE	1,535,568	-
US Dept of Agriculture	Direct	10.515	2018-46401-30329	NATIONAL INST OF FOOD & AGRICULTURE	43,484	17,677
US Dept of Agriculture	Direct	10.515	2018-46401-30329	NATIONAL INST OF FOOD & AGRICULTURE	1,750	-
US Dept of Agriculture	Direct	10.515	2021-46401-34788	NATIONAL INST OF FOOD & AGRICULTURE	15,608	-
US Dept of Agriculture	Direct	10.515	2021-46401-35958	NATIONAL INST OF FOOD & AGRICULTURE	25,499	-
US Dept of Agriculture	Direct	10.515	2021-46401-35958	NATIONAL INST OF FOOD & AGRICULTURE	82,178	-
US Dept of Agriculture	Direct	10.516	NI21REAFXXXXG035	NATIONAL INST OF FOOD & AGRICULTURE	174,089	-
US Dept of Agriculture	Direct	10.517	2017-15801-28940	NATIONAL INST OF FOOD & AGRICULTURE	135,798	-
US Dept of Agriculture	Direct	10.521	2016-41520-25564	NATIONAL INST OF FOOD & AGRICULTURE	30,654	-
US Dept of Agriculture	Direct	10.522	2020-70026-33220	NATIONAL INST OF FOOD & AGRICULTURE	40,397	-
US Dept of Agriculture	Direct	10.613	FX19FE-10613R002	FOREIGN AGRICULTURAL SERVICE	5,571	-
US Dept of Agriculture	Direct	10.680	16-CA-11420004-072	USDA FOREST SERVICE	14,840	-
US Dept of Agriculture	Direct	10.680	20-CA-11094200-054	USDA FOREST SERVICE	20,247	-
US Dept of Agriculture	Direct	10.698	20-DG-11094200-251	USDA FOREST SERVICE	17,277	-
US Dept of Agriculture	Direct	10.698	20-DG-11094200-251	USDA FOREST SERVICE	11,000	-
US Dept of Agriculture	Direct	10.699	21-PA-11094000-032	USDA FOREST SERVICE	35	-
US Dept of Agriculture	Direct	10.699	16-CS-11094000-038	USDA FOREST SERVICE	1,770	-
US Dept of Agriculture	Direct	10.699	20-PA-11094000-040	USDA FOREST SERVICE	34,194	-
US Dept of Agriculture	Direct	10.777	FX21BF-10777R021	FOREIGN AGRICULTURAL SERVICE	581	-
US Dept of Agriculture	Direct	10.777	FX19BF-10777R020	FOREIGN AGRICULTURAL SERVICE	10,835	-
US Dept of Agriculture	Direct	10.888	26-033-030879893	OFFICE OF RURAL DEVELOPMENT	27,131	-
US Dept of Agriculture	Direct	10.888	26-033-030879893	RURAL BUS COOPERATIVE SERVICE	34,671	-
US Dept of Agriculture	Direct	10.902	26-033-030879893	RURAL BUS COOPERATIVE SERVICE	7,919	-
US Dept of Agriculture	Direct	10.902	NR213A750027C007	NATURAL RESOURCES CONSERVATION SERVICE	15,705	-
US Dept of Agriculture	Direct	10.903	NR213A750025C010	USDA-NATURAL RESOURCES CONSERVATION SERVICE	31,565	-
US Dept of Agriculture	Direct	10.932	NR185D21XXXXC002	NATURAL RESOURCES CONSERVATION SERVICE	19,374	-
US Dept of Agriculture	Direct	10.960	FX20TA-10960R005	FOREIGN AGRICULTURAL SERVICE	471,455	342,430
US Dept of Agriculture	Direct	10.960	FX20TA-10960R005	FOREIGN AGRICULTURAL SERVICE	54,049	-
US Dept of Agriculture	Direct	10.960	FX20TA-10960R014	FOREIGN AGRICULTURAL SERVICE	1,358	-
US Dept of Agriculture	Direct	10.960	FX20TA-10960R018	FOREIGN AGRICULTURAL SERVICE	22,461	-
US Dept of Agriculture	Direct	10.960	TA-CR-16-043	FOREIGN AGRICULTURAL SERVICE	65,579	36,173
US Dept of Agriculture	Direct	10.960	FAS 2015 - 2016	FOREIGN AGRICULTURAL SERVICE	(723)	-
US Dept of Agriculture	Direct	10.962	FX21CO-10962R007	FOREIGN AGRICULTURAL SERVICE	854	-
US Dept of Agriculture	Direct	10.962	FX21CO-10962R029	FOREIGN AGRICULTURAL SERVICE	1,927	-
	<b>Direct Total</b>				<b>14,560,899</b>	<b>999,666</b>
US Dept of Agriculture	Pass-through	10.001	59-6040-1003	AGRICULTURAL RESEARCH SERVICE	50,546	-
US Dept of Agriculture	Pass-through	10.170	IP003151	MICHIGAN CHRISTMAS TREE ASSOC	8,386	-
US Dept of Agriculture	Pass-through	10.170	IP0533591	MICHIGAN DEPT OF EDUCATION	9,248	-
US Dept of Agriculture	Pass-through	10.174	412-30-36A	IOWA STATE UNIV	81,707	-
US Dept of Agriculture	Pass-through	10.215	H008917113	MICHIGAN FOOD & FARMING SYSTEMS	30,566	-
US Dept of Agriculture	Pass-through	10.215	H008568302	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	31,055	12,478
US Dept of Agriculture	Pass-through	10.215	H008568302	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	10,111	-
US Dept of Agriculture	Pass-through	10.215	H009277414	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	19,915	-
US Dept of Agriculture	Pass-through	10.215	H007813908	UNIVERSITY OF MINNESOTA	6,449	-
US Dept of Agriculture	Pass-through	10.217	F0003792902025	PURDUE UNIV	4,349	-
US Dept of Agriculture	Pass-through	10.229	EXC-1-2021-2049	EXTENSION FOUNDATION	24,178	-
US Dept of Agriculture	Pass-through	10.303	F902796702107 F902796702017	PURDUE UNIV	2,227	-
US Dept of Agriculture	Pass-through	10.310	2238-207-2014193	CLEMSON UNIV	16,558	-
US Dept of Agriculture	Pass-through	10.310	2021-03	CORP FOR A SKILLED WORKFORCE	21,999	-
US Dept of Agriculture	Pass-through	10.310	2019-1507-28	NORTH CAROLINA STATE UNIV	10,222	-
US Dept of Agriculture	Pass-through	10.310	S002481-IJSDA	PENNSYLVANIA STATE UNIV	23,351	-
US Dept of Agriculture	Pass-through	10.328	019673J	IOWA STATE UNIV	12,516	-
US Dept of Agriculture	Pass-through	10.328	024575D	IOWA STATE UNIV	1,201	-
US Dept of Agriculture	Pass-through	10.331	2020-12-01	FAR FOOD NETWORK	54,529	-
US Dept of Agriculture	Pass-through	10.331	IP# 00575635	FAR FOOD NETWORK	55,714	-
US Dept of Agriculture	Pass-through	10.334	IP 536187	MICHIGAN FOOD & FARMING SYSTEMS	27,541	-
US Dept of Agriculture	Pass-through	10.500	BMCX 2016-47002-28637	BAV MLLS COMMUNITY COLLEGE	3,618	-
US Dept of Agriculture	Pass-through	10.500	NTAE-2021-2175	EXTENSION FOUNDATION	4,406	-
US Dept of Agriculture	Pass-through	10.500	25-6324-0187-134	MICHIGAN FOOD & FARMING SYSTEMS	4,157	-
US Dept of Agriculture	Pass-through	10.500	018000.342088.01	MISSISSIPPI STATE UNIV	15,673	-
US Dept of Agriculture	Pass-through	10.500	101598-18127	UNIVERSITY OF ILLINOIS	109,650	-
US Dept of Agriculture	Pass-through	10.500	25-6324-0187-321	UNIVERSITY OF NEBRASKA - LINCOLN	38,034	-
US Dept of Agriculture	Pass-through	10.515	000001277	UNIVERSITY OF WISCONSIN MADISON	3,260	-
US Dept of Agriculture	Pass-through	10.525	GG 21000003186	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	223,767	-
US Dept of Agriculture	Pass-through	10.557	E0214602-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	8,280	-
US Dept of Agriculture	Pass-through	10.664	20042A	AMERICAN BIRD CONSERVANCY	6,397	-
US Dept of Agriculture	Pass-through	10.664	F000151802024	PURDUE UNIV	26,470	-
US Dept of Agriculture	Pass-through	10.674	TNC_USFS_MSU_052021	THE NATURE CONSERVANCY	20,500	-
US Dept of Agriculture	Pass-through	10.674	0100	WILSON ENGINEERING SERVICES, PC	44,852	-
US Dept of Agriculture	Pass-through	10.675	FRD-CFG 21-10	MICHIGAN DEPT OF NATURAL RESOURCES	4,341	-
US Dept of Agriculture	Pass-through	10.675	FRD-CFG 21-10	MICHIGAN DEPT OF NATURAL RESOURCES	4,200	-
US Dept of Agriculture	Pass-through	10.903	NR203A750023C009	NATURAL RESOURCES CONSERVATION SERVICE	4,900	-
	<b>Pass-through Total</b>				<b>1,025,473</b>	<b>12,478</b>
	<b>US Dept of Agriculture Total</b>				<b>15,586,372</b>	<b>1,012,142</b>
US Dept of Commerce	Direct	11.031	26-08-02215	US DEPT OF COMMERCE	20,262	-
	<b>Direct Total</b>				<b>20,262</b>	<b>-</b>
US Dept of Commerce	Pass-through	11.001	S2020-135	SYNOPTIC DATA CORP	193,791	-
US Dept of Commerce	Pass-through	11.407	RC21NOAA20	ILLINOIS DEPT OF NATURAL RESOURCES	16,898	-



Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>TOTAL OTHER FEDERAL AWARDS CLUSTER (CONTINUED)</b>						
US Dept of Commerce	Pass-through	11.407	IP 568997	MINNESOTA DEPT OF NATURAL RESOURCES	\$ 24,995	\$ -
US Dept of Commerce	Pass-through	11.417	F0008309702053	PURDUE UNIV	56,430	-
US Dept of Commerce	Pass-through	11.417	F0008309702053	PURDUE UNIV	9,675	-
US Dept of Commerce	Pass-through	11.417	097126-17815	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	10,000	-
US Dept of Commerce	Pass-through	11.417	097126-17815	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	1,979	-
US Dept of Commerce	Pass-through	11.417	SUBK00011048	UNIVERSITY OF MICHIGAN	43,250	-
US Dept of Commerce	Pass-through	11.417	0000001919	UNIVERSITY OF WISCONSIN MADISON	8,728	-
US Dept of Commerce	Pass-through	11.451	TUL-SCC-596528-21/22	TULANE UNIV	45,996	-
	<b>Pass-through Total</b>				<b>411,742</b>	<b>-</b>
	<b>US Dept of Commerce Total</b>				<b>432,004</b>	<b>-</b>
US Dept of Defense	Direct	12.U01	IP 569151	THOMAS JEFFERSON NATIONAL ACCELERATOR FACILITY	19	-
US Dept of Defense	Direct	12.U02	H9245621P0255	US DEPT OF THE ARMY	17,379	-
US Dept of Defense	Direct	12.420	W81XWH-18-1-0233	US DEPT OF THE ARMY	6,671	-
US Dept of Defense	Direct	12.902	H98230-21-1-0057	NATIONAL SECURITY AGENCY	35,632	-
	<b>Direct Total</b>				<b>59,701</b>	<b>-</b>
US Dept of Defense	Pass-through	12.U03	201825-140909	PPG INDUSTRIES INC	76,011	-
	<b>Pass-through Total</b>				<b>76,011</b>	<b>-</b>
	<b>US Dept of Defense Total</b>				<b>135,712</b>	<b>-</b>
US Dept of Interior	Direct	15.U01	IP 00564669	US GEOLOGICAL SURVEY	38,110	-
US Dept of Interior	Direct	15.820	G18AC00336	US GEOLOGICAL SURVEY	27,000	-
US Dept of Interior	Direct	15.922	P21AP11618	NATIONAL PARK SERVICE	2,981	-
US Dept of Interior	Direct	15.933	P20AP00340	NATIONAL PARK SERVICE	85,748	-
US Dept of Interior	Direct	15.945	P18ACD1019	NATIONAL PARK SERVICE	5,604	-
US Dept of Interior	Direct	15.945	P18ACD1067	NATIONAL PARK SERVICE	41,535	-
US Dept of Interior	Direct	15.945	P21AC11681-00	NATIONAL PARK SERVICE	41,330	-
	<b>Direct Total</b>				<b>242,308</b>	<b>-</b>
US Dept of Interior	Pass-through	15.630	SF-424A 6f Contractor	ST JAMES TOWNSHIP	7,101	-
US Dept of Interior	Pass-through	15.662	AISGL20-001	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	114,015	-
	<b>Pass-through Total</b>				<b>121,116</b>	<b>-</b>
	<b>US Dept of Interior Total</b>				<b>363,424</b>	<b>-</b>
US Dept of Justice	Direct	16.738	2018-DP-BX-K011	US DEPT OF JUSTICE	273,816	-
US Dept of Justice	Direct	16.839	15PBJA-21-GG-04648-STOP	BUREAU OF JUSTICE ASSISTANCE	6,454	-
	<b>Direct Total</b>				<b>280,270</b>	<b>-</b>
US Dept of Justice	Pass-through	16.575	20220433-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	139,021	-
US Dept of Justice	Pass-through	16.575	E20210524-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	310,821	-
US Dept of Justice	Pass-through	16.575	E20210525-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	258,002	-
US Dept of Justice	Pass-through	16.575	E20214614-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	316,558	-
US Dept of Justice	Pass-through	16.575	E2020622-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	1,244,451	-
US Dept of Justice	Pass-through	16.575	E20224186	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	105,294	-
US Dept of Justice	Pass-through	16.726	00408723	NATIONAL 4H COUNCIL	(5,609)	-
US Dept of Justice	Pass-through	16.726	2019-MU-FX-0002	NATIONAL 4H COUNCIL	7,028	-
US Dept of Justice	Pass-through	16.726	NMP11	NATIONAL 4H COUNCIL	52,865	-
US Dept of Justice	Pass-through	16.726	NMP11	NATIONAL 4H COUNCIL	29,691	-
US Dept of Justice	Pass-through	16.839	STOP-MH-1-2020	MICHIGAN STATE POLICE	184,347	-
US Dept of Justice	Pass-through	16.839	SUBK00011620	UNIVERSITY OF MICHIGAN	93,348	-
	<b>Pass-through Total</b>				<b>2,735,757</b>	<b>-</b>
	<b>US Dept of Justice Total</b>				<b>3,016,027</b>	<b>-</b>
US Dept of State	Direct	19.U01	1031250006	US DEPT OF STATE	18944	-
US Dept of State	Direct	19.040	SJA58021GR3001	US DEPT OF STATE	10,623	-
US Dept of State	Direct	19.040	SJA58021GR3001	US DEPT OF STATE	3,804	-
US Dept of State	Direct	19.040	SJA58022CA0002	US DEPT OF STATE	796	-
US Dept of State	Direct	19.040	SJA80021GR3034	US DEPT OF STATE	1,592	-
US Dept of State	Direct	19.040	ST380021GR3033	US DEPT OF STATE	33,591	-
US Dept of State	Direct	19.040	SUZ80020CA0136	US DEPT OF STATE	23,469	-
US Dept of State	Direct	19.415	SECAGD19CA0102	US DEPT OF STATE	46,451	-
US Dept of State	Direct	19.415	SECAGD21CA3111	US DEPT OF STATE	57,031	-
US Dept of State	Direct	19.501	SPK33021CA3015	US DEPT OF STATE	60	-
US Dept of State	Direct	19.501	SPK33020CA1042	US DEPT OF STATE	17,546	-
US Dept of State	Direct	19.501	SPK33020CA1042	US DEPT OF STATE	4,113	-
US Dept of State	Direct	19.501	SPK33021CA3015	US DEPT OF STATE	20,981	-
	<b>Direct Total</b>				<b>239,001</b>	<b>-</b>
US Dept of State	Pass-through	19.009	FY22-YALVCL-MSU-01	INTL RESEARCH & EXCHANGES BOARD	26,295	-
US Dept of State	Pass-through	19.009	FY22-YALVCL-MSU-01	INTL RESEARCH & EXCHANGES BOARD	6,389	-
US Dept of State	Pass-through	19.010	3000224520	INST OF INTL EDUCATION	236,450	-
US Dept of State	Pass-through	19.400	3000213339	INST OF INTL EDUCATION	154,719	-
US Dept of State	Pass-through	19.400	3000213339	INST OF INTL EDUCATION	2,925	-
US Dept of State	Pass-through	19.400	3000243884	INST OF INTL EDUCATION	28,352	-
US Dept of State	Pass-through	19.501	SAF20020CA0015-MSU	AMER COUNCILS FOR INTL EDUCATION	135	-
US Dept of State	Pass-through	19.501	SPK33018CA0015	EVOLUTION	36,706	-
US Dept of State	Pass-through	19.900	IP 579768	AMER COUNCILS FOR INTL EDUCATION	(440)	-
	<b>Pass-through Total</b>				<b>492,472</b>	<b>-</b>
	<b>US Dept of State Total</b>				<b>731,473</b>	<b>-</b>
US Dept of Transportation	Pass-through	20.U01	2018-0741	MICHIGAN DEPT OF TRANSPORTATION	102,990	-
US Dept of Transportation	Pass-through	20.200	HR 20-44(026)	NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM	19,417	-
US Dept of Transportation	Pass-through	20.505	IP00554406	FECONX MOBILITY RISING	4,132	-
US Dept of Transportation	Pass-through	20.505	2021-0272	MICHIGAN DEPT OF TRANSPORTATION	156,070	37,590
	<b>Pass-through Total</b>				<b>282,609</b>	<b>37,590</b>
	<b>US Dept of Transportation Total</b>				<b>282,609</b>	<b>37,590</b>
US Dept of Treasury	Direct	21.008	20-LITC0497-01-00	US DEPT OF TREASURY	(464)	-
US Dept of Treasury	Direct	21.008	21-LITC0505-01-00	US DEPT OF TREASURY	61,153	-
US Dept of Treasury	Direct	21.008	22-LITC0505-02-01	US DEPT OF TREASURY	41,665	-
	<b>Direct Total</b>				<b>102,354</b>	<b>-</b>
US Dept of Treasury	Pass-through	21.019	COVID-19 - E20224205	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	514,722	-
US Dept of Treasury	Pass-through	21.019	COVID-19 - Q-80041-115-504201	MICHIGAN PUBLIC HEALTH INST	195	-
	<b>Pass-through Total</b>				<b>514,917</b>	<b>-</b>
	<b>US Dept of Treasury Total</b>				<b>617,271</b>	<b>-</b>
National Aeronautics and Space Administration	Direct	43.001	80NSSC19K1332	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	36,595	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC21K0034	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	94,214	-
National Aeronautics and Space Administration	Direct	43.008	80NSSC21M0039	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	88,766	-
	<b>Direct Total</b>				<b>219,575</b>	<b>-</b>
National Aeronautics and Space Administration	Pass-through	43.003	2020-1264	UNIVERSITY OF ALABAMA	915	-
	<b>Pass-through Total</b>				<b>915</b>	<b>-</b>
	<b>National Aeronautics and Space Administration Total</b>				<b>220,490</b>	<b>-</b>
National Endowment for the Arts and Humanities	Direct	45.024	186578-55-21	NATIONAL ENDOWMENT FOR THE ARTS	17,230	-
National Endowment for the Arts and Humanities	Direct	45.024	189439-55-22	NATIONAL ENDOWMENT FOR THE ARTS	6,470	-
National Endowment for the Arts and Humanities	Direct	45.130	CHA-268776	NATIONAL ENDOWMENT FOR THE HUMANITIES	62,519	-
National Endowment for the Arts and Humanities	Direct	45.149	PW-277479-21	NATIONAL ENDOWMENT FOR THE HUMANITIES	104,081	-
National Endowment for the Arts and Humanities	Direct	45.160	FEL-268440-20	NATIONAL ENDOWMENT FOR THE HUMANITIES	160	-
National Endowment for the Arts and Humanities	Direct	45.169	HAA-284835-22	NATIONAL ENDOWMENT FOR THE HUMANITIES	13,123	-
National Endowment for the Arts and Humanities	Direct	45.301	MA-10-174377-17	INST OF MUSEUM & LIBRARY SERVICES	21,545	-
National Endowment for the Arts and Humanities	Direct	45.301	MA-24584-OMS-21	INST OF MUSEUM & LIBRARY SERVICES	78,312	-
National Endowment for the Arts and Humanities	Direct	45.301	MA-30-19-0349-19	INST OF MUSEUM & LIBRARY SERVICES	6,510	-
	<b>Direct Total</b>				<b>311,950</b>	<b>-</b>

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>TOTAL OTHER FEDERAL AWARDS CLUSTER (CONTINUED)</b>						
National Endowment for the Arts and Humanities	Pass-through	45.U01	2020-09-01	ARTCENTER COLLEGE OF DESIGN	\$ 245	\$ -
National Endowment for the Arts and Humanities	Pass-through	45.025	21PS2099	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	2,449	-
National Endowment for the Arts and Humanities	Pass-through	45.025	21PS2223	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	2,600	-
National Endowment for the Arts and Humanities	Pass-through	45.025	22PS4184	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	5,000	-
National Endowment for the Arts and Humanities	Pass-through	45.025	22PS4337	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	21,006	-
National Endowment for the Arts and Humanities	Pass-through	45.025	22PS4584	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	12,000	-
National Endowment for the Arts and Humanities	Pass-through	45.149	PW-277458-21	GOSHEN COLLEGE	4,804	-
National Endowment for the Arts and Humanities	Pass-through	45.162	2005362	TEAGLE FOUNDATION INC	(195)	-
National Endowment for the Arts and Humanities	Pass-through	45.164	94-MID4-2022BMPU	NATIONAL WRITING PROJECT CORP	2,154	-
<b>Pass-through Total</b>					<b>93,063</b>	<b>-</b>
<b>National Endowment for the Arts and Humanities Total</b>					<b>382,013</b>	<b>-</b>
Small Business Administration	Direct	59.075	COVID-19 - SBAHQ21SV009656	SMALL BUSINESS ADMINISTRATION	51,864	-
Small Business Administration	Direct	59.075	COVID-19 - SBAHQ21SV010685	SMALL BUSINESS ADMINISTRATION	2,293,308	-
Small Business Administration	Direct	59.075	COVID-19 - SBAHQ21SV010685.2	SMALL BUSINESS ADMINISTRATION	2,676,453	-
<b>Direct Total</b>					<b>5,021,625</b>	<b>-</b>
<b>Small Business Administration Total</b>					<b>5,021,625</b>	<b>-</b>
Environmental Protection Agency	Direct	66.469	00E02224	US ENVIRONMENTAL PROTECTION AGENCY	66,461	-
Environmental Protection Agency	Direct	66.716	83927401	US ENVIRONMENTAL PROTECTION AGENCY	406,432	183,650
Environmental Protection Agency	Direct	66.716	83927401	US ENVIRONMENTAL PROTECTION AGENCY	256,710	-
<b>Direct Total</b>					<b>729,603</b>	<b>183,650</b>
Environmental Protection Agency	Pass-through	66.460	2020-0001	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	32,985	-
Environmental Protection Agency	Pass-through	66.025	22010000102	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	21,544	-
Environmental Protection Agency	Pass-through	66.605	GG 21000000751	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	19,454	-
Environmental Protection Agency	Pass-through	66.608	AQDGG2020P1	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	37,883	-
Environmental Protection Agency	Pass-through	66.716	MSU PSEP 2022	EXTENSION FOUNDATION	15,578	-
Environmental Protection Agency	Pass-through	66.716	SA-2021-34	EXTENSION FOUNDATION	8,161	-
<b>Pass-through Total</b>					<b>135,504</b>	<b>-</b>
<b>Environmental Protection Agency</b>					<b>865,207</b>	<b>183,650</b>
US Dept of Energy	Direct	81.049	DE-SC0022531	US DEPT OF ENERGY	9,050	-
<b>Direct Total</b>					<b>9,050</b>	<b>-</b>
US Dept of Energy	Pass-through	81.U01	398148	BROOKHAVEN NATIONAL LABORATORY	13,875	-
<b>Pass-through Total</b>					<b>13,875</b>	<b>-</b>
<b>US Dept of Energy Total</b>					<b>22,925</b>	<b>-</b>
US Dept of Education	Direct	84.022	P022A190039	US DEPT OF EDUCATION	33,246	-
US Dept of Education	Direct	84.022	P022A190039	US DEPT OF EDUCATION	24,024	-
US Dept of Education	Direct	84.022	P022A190039	US DEPT OF EDUCATION	20,094	-
US Dept of Education	Direct	84.022	P022A190039	US DEPT OF EDUCATION	4,836	-
US Dept of Education	Direct	84.022	P022A200035	US DEPT OF EDUCATION	35,543	-
US Dept of Education	Direct	84.022	P022A200035	US DEPT OF EDUCATION	20,267	-
US Dept of Education	Direct	84.022	P022A210031	US DEPT OF EDUCATION	16,279	-
US Dept of Education	Direct	84.032	FFELP Loans Receivable	US DEPT OF EDUCATION	684,388	-
US Dept of Education	Direct	84.129	H129B190046	US DEPT OF EDUCATION	160,000	-
US Dept of Education	Direct	84.129	H129B190046	US DEPT OF EDUCATION	31,322	-
US Dept of Education	Direct	84.141	S141A190022	US DEPT OF EDUCATION	456,105	-
US Dept of Education	Direct	84.140	S140A150003 - 19	US DEPT OF EDUCATION	19	-
US Dept of Education	Direct	84.149	S149A200014	US DEPT OF EDUCATION	394,457	-
US Dept of Education	Direct	84.305	R305B200009	US DEPT OF EDUCATION	311,342	-
US Dept of Education	Direct	84.305	R305B200009	US DEPT OF EDUCATION	238,557	-
US Dept of Education	Direct	84.335	P335A180251	US DEPT OF EDUCATION	236,369	-
US Dept of Education	Direct	84.425E	COVID-19 - P425E201966	US DEPT OF EDUCATION	39,384,660	-
US Dept of Education	Direct	84.425E	COVID-19 - P425E201966	US DEPT OF EDUCATION	21,000	-
US Dept of Education	Direct	84.425F	COVID-19 - P425F201085	US DEPT OF EDUCATION	2,896,730	-
<b>Direct Total</b>					<b>44,961,238</b>	<b>-</b>
US Dept of Education	Pass-through	84.U01	20000002035, DO 200000017752	MICHIGAN DEPT OF EDUCATION	70,834	-
US Dept of Education	Pass-through	84.010	201580-19-20 TAGS	GOGEBIC ONTONAGON INTERMEDIATE SCHOOL DISTRICT	22,752	-
US Dept of Education	Pass-through	84.010	IP 459108	GOGEBIC ONTONAGON INTERMEDIATE SCHOOL DISTRICT	74,378	-
US Dept of Education	Pass-through	84.011	211850-2021	MICHIGAN DEPT OF EDUCATION	127,876	-
US Dept of Education	Pass-through	84.011	211850-2021	MICHIGAN DEPT OF EDUCATION	113,452	-
US Dept of Education	Pass-through	84.325	61319AM2	VANDERBILT UNIV	123,521	-
US Dept of Education	Pass-through	84.334	20-00-06	DEPT OF LABOR & ECONOMIC OPPORTUNITY	172,270	-
US Dept of Education	Pass-through	84.423	10797	WESTERN MICHIGAN UNIV	42,519	-
US Dept of Education	Pass-through	84.423	10797	WESTERN MICHIGAN UNIV	13,668	-
US Dept of Education	Pass-through	84.425	COVID-19 - 513018	MICHIGAN VIRTUAL UNIV	322,666	-
<b>Pass-through Total</b>					<b>1,083,938</b>	<b>-</b>
<b>US Dept of Education Total</b>					<b>46,045,176</b>	<b>-</b>
Vietnam Education Foundation	Direct	85.802	SCHOOL CERTIFYING OFFICIALS	VIETNAM EDUCATION FOUNDATION	1,625	-
<b>Direct Total</b>					<b>1,625</b>	<b>-</b>
<b>Vietnam Education Foundation Total</b>					<b>1,625</b>	<b>-</b>
US Dept of Health and Human Services	Direct	93.U01	21PA2111279	CENTERS FOR DISEASE CONTROL & PREVENTION	31,634	-
US Dept of Health and Human Services	Direct	93.001	A0CC Exposure Code	ASSOC OF OCCUPATIONAL & ENVIRONMENTAL CLINICS	15,752	-
US Dept of Health and Human Services	Direct	93.103	1U18FD007515-01	FOOD & DRUG ADMINISTRATION	44,491	-
US Dept of Health and Human Services	Direct	93.103	U18FD006175	FOOD & DRUG ADMINISTRATION	46,260	-
US Dept of Health and Human Services	Direct	93.124	A2230937	HEALTH RESOURCES & SERVICES ADMINISTRATION	16,497	-
US Dept of Health and Human Services	Direct	93.157	COVID-19 - T1NHP39162	HEALTH RESOURCES & SERVICES ADMINISTRATION	39,169	-
US Dept of Health and Human Services	Direct	93.157	D34HP024457	HEALTH RESOURCES & SERVICES ADMINISTRATION	627,871	-
US Dept of Health and Human Services	Direct	93.197	1 NEUJEH001472-01-00	CENTERS FOR DISEASE CONTROL & PREVENTION	4,002	-
US Dept of Health and Human Services	Direct	93.197	5 NUJZEH001370-04-00	CENTERS FOR DISEASE CONTROL & PREVENTION	4,140,418	895,738
US Dept of Health and Human Services	Direct	93.197	5 NUJZEH001370-04-00	CENTERS FOR DISEASE CONTROL & PREVENTION	1,345,059	327,293
US Dept of Health and Human Services	Direct	93.247	1796HP420590100	HEALTH RESOURCES & SERVICES ADMINISTRATION	244,958	-
US Dept of Health and Human Services	Direct	93.247	1796HP420590100	HEALTH RESOURCES & SERVICES ADMINISTRATION	61,492	-
US Dept of Health and Human Services	Direct	93.262	COVID-19 - U60OH008466	NATIONAL INST FOR OCCUPATIONAL SAFETY & HEALTH	158,166	-
US Dept of Health and Human Services	Direct	93.262	U60OH008466	NATIONAL INST FOR OCCUPATIONAL SAFETY & HEALTH	456,045	5,834
US Dept of Health and Human Services	Direct	93.626	5 6 U60OH008466-15-03	NATIONAL INST FOR OCCUPATIONAL SAFETY & HEALTH	20,794	10,867
US Dept of Health and Human Services	Direct	93.761	90PPSG0014-01-00	US DEPT OF HEALTH & HUMAN SERVICES	173,402	-
US Dept of Health and Human Services	Direct	93.768	H7570062573	SUBSTANCE ABUSE & MENTAL HEALTH SERVICES ADMINISTRATION	233,792	-
US Dept of Health and Human Services	Direct	93.859	T3GM142521	NATIONAL INST OF GENERAL MEDICAL SCIENCES	306,250	-
US Dept of Health and Human Services	Direct	93.865	F31HD103404	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	34,600	-
US Dept of Health and Human Services	Direct	93.865	F31HD103404	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	1,411	-
US Dept of Health and Human Services	Direct	93.976	K02HP30816	HEALTH RESOURCES & SERVICES ADMINISTRATION	192,471	-
<b>Direct Total</b>					<b>8,194,534</b>	<b>1,239,732</b>
US Dept of Health and Human Services	Pass-through	93.U02	X-89075-115-504200	MICHIGAN PUBLIC HEALTH INST	7,813	-
US Dept of Health and Human Services	Pass-through	93.U03	Kinship FY21 TCOA	TRI COUNTY OFFICE ON AGING	(1,385)	-
US Dept of Health and Human Services	Pass-through	93.069	E20212407-001	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	38,440	-
US Dept of Health and Human Services	Pass-through	93.069	E2022280-00 B	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	4,550	-
US Dept of Health and Human Services	Pass-through	93.070	E20214670-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	29,522	-
US Dept of Health and Human Services	Pass-through	93.070	E20223930-00 V	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	19,449	-
US Dept of Health and Human Services	Pass-through	93.080	CDC 442 20-21	HEMOPHILIA FOUNDATION OF MICHIGAN	16,757	-
US Dept of Health and Human Services	Pass-through	93.080	CDC 442 21-22	HEMOPHILIA FOUNDATION OF MICHIGAN	43,893	-
US Dept of Health and Human Services	Pass-through	93.103	20000002930	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	(637)	-
US Dept of Health and Human Services	Pass-through	93.103	21000002713	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	246,046	-
US Dept of Health and Human Services	Pass-through	93.103	IP 582348	NATIONAL ASSOC OF STATE DEPT OF AG	15,740	-
US Dept of Health and Human Services	Pass-through	93.103	IP00536945	NATIONAL ASSOC OF STATE DEPT OF AG	10,375	-
US Dept of Health and Human Services	Pass-through	93.110	MCHB 442 20-21	HEMOPHILIA FOUNDATION OF MICHIGAN	(232)	-
US Dept of Health and Human Services	Pass-through	93.110	MCHB 442 21-22	HEMOPHILIA FOUNDATION OF MICHIGAN	60,036	-
US Dept of Health and Human Services	Pass-through	93.110	MCHB 442 22-23	HEMOPHILIA FOUNDATION OF MICHIGAN	2,208	-
US Dept of Health and Human Services	Pass-through	93.110	20220008-001	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	19,275	-
US Dept of Health and Human Services	Pass-through	93.110	E20212410-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	1,041	-

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2022

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>TOTAL OTHER FEDERAL AWARDS CLUSTER (CONTINUE)</b>						
US Dept of Health and Human Services	Pass-through	93.110	E20212411-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	\$ 8,200	\$ -
US Dept of Health and Human Services	Pass-through	93.110	E20212412-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	2,289	-
US Dept of Health and Human Services	Pass-through	93.110	E20221861	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	15,840	-
US Dept of Health and Human Services	Pass-through	93.110	E20221863-00X	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	5,278	-
US Dept of Health and Human Services	Pass-through	93.110	E20222067-00 Z	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	6,328	-
US Dept of Health and Human Services	Pass-through	93.110	NHSA- MSU-2020-443	SPECTRUM HEALTH SYSTEM	56,125	-
US Dept of Health and Human Services	Pass-through	93.110	SUBK00010309	UNIVERSITY OF MICHIGAN	1,799	-
US Dept of Health and Human Services	Pass-through	93.110	WSU22034	WAYNE STATE UNIV	38,008	-
US Dept of Health and Human Services	Pass-through	93.113	10009736-MSU01	BOWLING GREEN STATE UNIVERSITY	11,680	-
US Dept of Health and Human Services	Pass-through	93.137	1 C1PM201205-01-00	ARAB COMMUNITY CENTER FOR ECONOMIC & SOCIAL SERVICES	114,213	-
US Dept of Health and Human Services	Pass-through	93.137	PD #48473	GREATER FLINT HEALTH COALITION	62,648	-
US Dept of Health and Human Services	Pass-through	93.137	PD #48473	GREATER FLINT HEALTH COALITION	33,111	-
US Dept of Health and Human Services	Pass-through	93.243	3H79SM063521-05S1	CITY OF FLINT	44,943	-
US Dept of Health and Human Services	Pass-through	93.243	IP 531634	CITY OF FLINT	61,383	-
US Dept of Health and Human Services	Pass-through	93.243	1H7ST081640-01	MUNSON MEDICAL CENTER	11,988	-
US Dept of Health and Human Services	Pass-through	93.268	E20215223-00- AU	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	40,487	-
US Dept of Health and Human Services	Pass-through	93.319	0000020211	UNIVERSITY OF WISCONSIN MADISON	14,037	-
US Dept of Health and Human Services	Pass-through	93.323	COVID-19 - E20214628-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	73,602	-
US Dept of Health and Human Services	Pass-through	93.323	RF 1067-9021	SPECTRUM HEALTH SYSTEM	67,189	-
US Dept of Health and Human Services	Pass-through	93.325	IP 538402	CHRISTOPHER & DANA REEVE FOUNDATION	25,001	-
US Dept of Health and Human Services	Pass-through	93.359	FP00007763_SA004	VIRGINIA COMMONWEALTH UNIV	10,186	-
US Dept of Health and Human Services	Pass-through	93.395	IP 463964	IASO THERAPEUTICS INC	18,422	-
US Dept of Health and Human Services	Pass-through	93.421	5NU38OT000279-03-00	ASSOC FOR STATE PUBLIC HEALTH NUTRITIONISTS	25,109	-
US Dept of Health and Human Services	Pass-through	93.421	IP 572269	ASSOC FOR STATE PUBLIC HEALTH NUTRITIONISTS	71,794	-
US Dept of Health and Human Services	Pass-through	93.421	E20214706-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	38,457	-
US Dept of Health and Human Services	Pass-through	93.421	E20223861-00 AH	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	17,746	-
US Dept of Health and Human Services	Pass-through	93.556	E20212676-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	322,491	-
US Dept of Health and Human Services	Pass-through	93.556	E20222961-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	379,736	-
US Dept of Health and Human Services	Pass-through	93.556	KC-MSU-1	SPAULDING FOR CHILDREN	41,071	-
US Dept of Health and Human Services	Pass-through	93.648	3-86154	RESEARCH FOUNDATION OF SUNY	1,664	-
US Dept of Health and Human Services	Pass-through	93.648	3-89268	RESEARCH FOUNDATION OF SUNY	151,123	-
US Dept of Health and Human Services	Pass-through	93.648	3-92159	RESEARCH FOUNDATION OF SUNY	205,524	-
US Dept of Health and Human Services	Pass-through	93.738	IP 574581	GREATER FLINT HEALTH COALITION	30,469	-
US Dept of Health and Human Services	Pass-through	93.788	E20212554-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	37,302	-
US Dept of Health and Human Services	Pass-through	93.788	E20212555-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	173,156	104,378
US Dept of Health and Human Services	Pass-through	93.853	3004548920	UNIVERSITY OF MICHIGAN	33,734	-
US Dept of Health and Human Services	Pass-through	93.859	4500002876	BOSTON UNIV	23,705	-
US Dept of Health and Human Services	Pass-through	93.859	1R44GN134738-01	GLYCAN THERAPEUTICS	277,832	-
US Dept of Health and Human Services	Pass-through	93.859	11001041-072	PURDUE UNIV	1,288	-
US Dept of Health and Human Services	Pass-through	93.889	E20212407-001	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	12,813	-
US Dept of Health and Human Services	Pass-through	93.889	E20222280-00 B	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	52,320	-
US Dept of Health and Human Services	Pass-through	93.926	Resolution #18-189	GENESEEE COUNTY HEALTH DEPT	702,681	-
US Dept of Health and Human Services	Pass-through	93.926	HRSA-MSU-2020-2005-093	SPECTRUM HEALTH SYSTEM	181,502	-
US Dept of Health and Human Services	Pass-through	93.989	1600922	UNIVERSITY OF MARYLAND	24,440	-
US Dept of Health and Human Services	Pass-through	93.994	E20212415-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	416	-
US Dept of Health and Human Services	Pass-through	93.994	E20222279-00 L	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	3,152	-
<b>Pass-through Total</b>					<b>4,050,844</b>	<b>104,378</b>
<b>US Dept of Health and Human Services Total</b>					<b>12,245,378</b>	<b>1,344,108</b>
Corporation for National and Community Service	Direct	94.013	19VSNM005	CORP FOR NATIONAL & COMMUNITY SERVICE AMERICORPS	28,813	-
<b>Direct Total</b>					<b>28,813</b>	<b>-</b>
Corporation for National and Community Service	Pass-through	94.006	20-MCSC-MACFF-16	MICHIGAN COMMUNITY SERVICE COMMISSION	152,303	-
Corporation for National and Community Service	Pass-through	94.006	21-MCSC-MACFF-16	MICHIGAN COMMUNITY SERVICE COMMISSION	106,099	-
<b>Pass-through Total</b>					<b>258,402</b>	<b>-</b>
<b>Corporation for National and Community Service Total</b>					<b>287,215</b>	<b>-</b>
US Dept of Homeland Security	Pass-through	97	MA 20000000910	STATE OF MICHIGAN	65,503	-
<b>Pass-through Total</b>					<b>65,503</b>	<b>-</b>
<b>US Dept of Homeland Security Total</b>					<b>65,503</b>	<b>-</b>
US Agency for International Development	Direct	98.001	72061521CA00019	US AGENCY FOR INTL DEVELOPMENT	1,776,934	1,098,682
US Agency for International Development	Direct	98.001	72065621CA00007	US AGENCY FOR INTL DEVELOPMENT	257,826	109,692
US Agency for International Development	Direct	98.001	AID-OAA-A-13-00006	US AGENCY FOR INTL DEVELOPMENT	908,211	-
US Agency for International Development	Direct	98.012	7200AA18CA00021	US AGENCY FOR INTL DEVELOPMENT	17,556	9,472
<b>Direct Total</b>					<b>2,960,527</b>	<b>1,217,846</b>
US Agency for International Development	Pass-through	98.001	IP 00492952	AFRICAN AGRICULTURAL TECHNOLOGY FOUNDATION	29,243	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	374,844	165,689
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	206,329	27,118
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	198,215	176,000
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	115,836	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	104,879	100,122
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	72,460	33,990
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	46,358	34,199
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	26,760	(4,907)
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	20,198	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	14,679	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	8,110	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	6,416	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	6,245	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	3,435	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	1,050	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	441	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	210	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	(1,551)	-
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	(9,855)	(2,289)
US Agency for International Development	Pass-through	98.001	BHEARD	INTL MAIZE & WHEAT IMPROVEMENT CENTER	(19,980)	(18,410)
<b>Pass-through Total</b>					<b>(36,476)</b>	<b>-</b>
<b>US Agency for International Development Total</b>					<b>1,168,948</b>	<b>511,512</b>
<b>OTHER FEDERAL AWARDS TOTAL</b>					<b>4,129,473</b>	<b>1,729,358</b>
<b>TOTAL FEDERAL AWARDS TOTAL</b>					<b>90,431,522</b>	<b>4,306,848</b>
<b>TOTAL FEDERAL EXPENDITURES</b>					<b>\$ 877,743,389</b>	<b>\$ 46,789,058</b>
<b>SUMMARY OF EXPENDITURES BY FEDERAL AGENCY</b>						
US Dept of Energy					\$ 127,124,606	\$ 3,165,242
US Dept of Health and Human Services					120,953,686	20,475,371
US Dept of Education					100,086,390	600,761
National Science Foundation					67,147,869	5,037,665
US Dept of Agriculture					55,630,612	6,728,128
US Agency for International Development					15,266,714	7,129,768
US Dept of Defense					13,913,433	1,601,647
US Dept of Justice					6,238,057	787,074
Small Business Administration					5,021,625	-
National Aeronautics and Space Administration					4,139,251	344,559
US Dept of Interior					3,494,591	141,555
US Dept of Transportation					2,888,139	247,125
US Dept of Commerce					2,339,056	22,374
Environmental Protection Agency					2,025,827	320,454
US Dept of State					997,119	85,916
Office of the Director of National Intelligence					719,072	59,951
US Dept of Treasury					687,590	-
National Endowment for the Arts and Humanities					407,812	-
US Dept of Homeland Security					304,915	41,478
Corporation for National and Community Service					287,215	-
US Dept of Housing and Urban Development					53,039	-
US Dept of Labor					12,711	-
Vietnam Education Foundation					4,625	-
					<b>529,761,154</b>	<b>46,789,058</b>

**Schedule of Expenditures of Federal Awards**

**Year Ended June 30, 2022**

Federal Agency	Direct/Pass-through	ALN (Note 4)	Award Number	Grantor	Expenditure	Subrecipient Payments
<b>SUMMARY OF LOAN BALANCES BY FEDERAL AGENCY</b>						
Education					\$ 331,713,788	\$ -
HHS					16,268,447	-
					<u>347,982,235</u>	<u>-</u>
<b>TOTAL FEDERAL EXPENDITURES</b>					<b>\$ 877,743,389</b>	<b>\$ 46,789,058</b>

**Notes to Schedule of Expenditures of Federal Awards**

**Year Ended June 30, 2022**

**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, 2022. 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 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. 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 \$96,712,843, 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.

**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	\$ -	\$ 8,789,899
93.264	Nurse Faculty Loans	82,288	384,418
93.342	Health Professional Student Loans	2,611,760	13,846,544
93.364	Nursing Student Loans	20,998	31,165
		<u>\$ 2,715,046</u>	<u>\$ 23,052,026</u>

**Notes to Schedule of Expenditures of Federal Awards**

**Year Ended June 30, 2022**

**Note 5 - Loan Balances (Continued)**

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 \$319,985,236 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, 2022.

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 \$558,004 at June 30, 2022.

**Note 6 - Federal Work-Study Program Adjustments and Transfers**

During the year ended June 30, 2022, Federal Work-Study Program funds were transferred in accordance with federal guidelines. The transfers were as follows:

Transferred From	Amount	Transferred To
Federal Work-Study 2021-2022	\$ 1,511,824	Federal Supplemental Educational Opportunity Grant 2021-2022
Federal Work-Study 2020-2021	254,696	Federal Work-Study 2021-2022
Federal Work-Study 2021-2022	198,225	Federal Work-Study 2022-2023
Total	<u>\$ 1,964,745</u>	

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## Schedule of Findings and Questioned Costs

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**Schedule of Findings and Questioned Costs**

**Year Ended June 30, 2022**

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

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

Identification of major programs:

Assistance Listing Number	Name of Federal Program or Cluster	Opinion
Various	Student Financial Assistance Cluster	Qualified
84.032	Federal Family Education Loan Program - Lenders	Unmodified
84.425E, 84.425F	COVID-19 - Education Stabilization Fund Higher Education Emergency Relief Fund	Unmodified
10.511	Smith-Lever Extension Program	Unmodified
98.001	USAID Foreign Assistance for Program Overseas	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
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**Current Year**    None



**Schedule of Findings and Questioned Costs (Continued)**

**Year Ended June 30, 2022**

**Section III - Federal Program Audit Findings**

Reference Number	Finding	Questioned Costs
2022-001	<p><b>Assistance Listing Number, Federal Agency, and Program Name</b> - Student Financial Assistance Cluster - Federal Direct Student Loan Program ALN 84.268 and Federal Pell Grants ALN 84.063</p> <p><b>Federal Award Identification Number and Year</b> - Various</p> <p><b>Pass-through Entity</b> - None</p> <p><b>Finding Type</b> - Material weakness and material noncompliance with laws and regulations</p> <p><b>Repeat Finding</b> - No</p> <p><b>Criteria</b> - Changes in a student's status are required to be reported to the National Student Loan Data System (NSLDS) within 30 days of the change or included in a student status confirmation report sent to the NSLDS within 60 days of the status change (Pell, 34 CFR Section 690.83(b); Direct Loan, 34 CFR Section 685.309(b)).</p> <p><b>Condition</b> - The University did not report the status changes of certain students to the NSLDS in an accurate and timely manner during the fiscal year.</p> <p><b>Questioned Costs</b> - None</p> <p><b>Identification of How Questioned Costs Were Computed</b> - N/A</p> <p><b>Context</b> - There were six errors identified that were attributed to this finding.</p> <ol style="list-style-type: none"> <li>1) Of the 60 students tested, there were 42 students who withdrew/graduated whose status change was not reported to the NSLDS within 60 days.</li> <li>2) Of the 60 students tested, there were 14 students who withdrew/graduated whose status change was not reported to the NSLDS.</li> <li>3) Of the 60 students tested, there were 3 students who withdrew/graduated whose status change was not reported to the NSLDS at the program level.</li> <li>4) Of the 60 students tested, there were 5 students who withdrew/graduated whose status change was not reported accurately to the NSLDS. The students withdrew or graduated and were reported but with an incorrect effective date.</li> <li>5) Of the 60 students tested, there were 2 students who withdrew/graduated whose status change was not reported accurately to the NSLDS at the campus level. The students withdrew or graduated and were reported but with an incorrect effective date.</li> <li>6) Of the 60 students tested, there was 1 student who graduated whose status change was not reported accurately to the NSLDS. The student graduated but was reported as withdrawn.</li> </ol>	None

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

Reference Number	Finding	Questioned Costs
2022-001 (Continued)	<p><b>Cause and Effect</b> - The University did not have a control in place to ensure all enrollment changes are reported timely and accurately to the NSLDS. As a result, certain student status changes were not reported to the NSLDS in a timely and accurate manner.</p> <p><b>Recommendation</b> - The University should implement controls to ensure student status changes are reported accurately and timely to the NSLDS. These controls should include a thorough review of the enrollment rosters prior to reporting to the NSLDS.</p> <p><b>Views of Responsible Officials and Corrective Action Plan</b> - Management agrees with the finding. The University implemented a new administrative database for student academic records. The provided tool for extracting enrollment data did not perform as expected and hampered the University's ability to provide the required data to the National Student Clearinghouse. The Registrar's Office resolved its data collection issues and is now submitting the data to NSLDS via the clearinghouse on the required timeline.</p>	

**Schedule of Findings and Questioned Costs (Continued)**

**Year Ended June 30, 2022**

**Section III - Federal Program Audit Findings (Continued)**

Reference Number	Finding	Questioned Costs
2022-002	<p><b>Assistance Listing Number, Federal Agency, and Program Name</b> - Student Financial Assistance Cluster - Federal Direct Student Loan Program ALN 84.268</p> <p><b>Federal Award Identification Number and Year</b> - Various</p> <p><b>Pass-through Entity</b> - None</p> <p><b>Finding Type</b> - Significant deficiency</p> <p><b>Repeat Finding</b> - No</p> <p><b>Criteria</b> - Institutions must report all loan disbursements and submit required records to COD within 15 days of disbursement (OMB No. 1845-0021). Each month, COD provides institutions with a School Account Statement (SAS) data file, which consists of a cash summary, cash detail, and (optional at the request of the institution) loan detail records. The institution is required to reconcile these files to the institution’s financial records.</p> <p><b>Condition</b> - The University did not reconcile the SAS data file to its institutional financial records.</p> <p><b>Questioned Costs</b> - None</p> <p><b>Identification of How Questioned Costs Were Computed</b> - N/A</p> <p><b>Context</b> - The University did not reconcile the SAS data file to its institutional financial records.</p> <p><b>Cause and Effect</b> - The University did not have the proper procedures and controls in place to ensure the proper reconciliation of the COD SAS data files to the University's financial records. As a result, the student information reported to the COD could be incomplete or inaccurate.</p> <p><b>Recommendation</b> - The University should implement procedures and controls to ensure the COD data files are reconciled to the University's financial records accurately and timely each month.</p> <p><b>Views of Responsible Officials and Planned Corrective Actions</b> - Management agrees with the finding. The Office of Financial Aid is now downloading the monthly file from COD and performing the reconciliation as required.</p>	None

**Schedule of Findings and Questioned Costs (Continued)**

**Year Ended June 30, 2022**

**Section III - Federal Program Audit Findings (Continued)**

Reference Number	Finding	Questioned Costs
2022-003	<p><b>Assistance Listing Number, Federal Agency, and Program Name -</b> Student Financial Assistance Cluster Federal Direct Student Loan Program ALN 84.268 and Federal Pell Grants ALN 84.063</p> <p><b>Federal Award Identification Number and Year -</b> Various</p> <p><b>Pass-through Entity -</b> None</p> <p><b>Finding Type -</b> Material weakness and material noncompliance with laws and regulations</p> <p><b>Repeat Finding -</b> No</p> <p><b>Criteria -</b> If a recipient of Title IV grant or loan funds withdraws from a school after beginning attendance but before he or she has attended 60 percent of the scheduled length of the semester, the school must perform a return of Title IV funds (R2T4) calculation. If the amount disbursed to the student is greater than the amount the student earned, the unearned funds must be returned. A school must return unearned funds for which it is responsible no later than 45 days from the determination of a student's withdrawal (30 days if never attended) (34 CFR 668.22(j)(1)).</p> <p>When a recipient of Title IV grant or loan assistance withdraws from an institution during a payment period or period of enrollment in which the recipient began attendance, the institution must determine the amount of Title IV aid earned by the student as of the student's withdrawal date.</p> <p>If an institution does not require instructors to take attendance, the withdrawal date is (1) the date, as determined by the institution, that the student began the withdrawal process prescribed by the institution; (2) the date, as determined by the institution, that the student otherwise provided official notification to the institution, in writing or orally, of his or her intent to withdraw; (3) if the student ceases attendance without providing official notification to the institution of his or her withdrawal, the midpoint of the payment period or, if applicable, the period of enrollment; (4) if the institution determines that a student did not begin the withdrawal process or otherwise notify the institution of the intent to withdraw due to illness, accident, grievous personal loss, or other circumstances beyond the student's control, the date the institution determines is related to that circumstance; (5) if a student does not return from an approved leave of absence, the date that the institution determines the student began the leave of absence; or (6) if the student takes an unapproved leave of absence, the date that the student began the leave of absence. Notwithstanding the above, an institution that is not required to take attendance may use as the withdrawal date the last date of attendance at an academically related activity, as documented by the institution (34 CFR668.22(c) and (l)).</p> <p><b>Condition -</b> The University used incorrect or incomplete data in the return of Title IV calculations.</p> <p><b>Questioned Costs -</b> \$6,306</p>	\$6,306

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

Reference Number	Finding	Questioned Costs
2022-003 (Continued)	<p><b>Identification of How Questioned Costs Were Computed</b> - Recalculation of returns was based on accurate student data.</p> <p><b>Context</b> - There were four errors that were attributed to this finding:</p> <ol style="list-style-type: none"> <li>1) Of the 60 students tested, there were 18 students identified where the new student information system used inaccurate information to complete the return of Title IV calculation. As a result, the University completed manual calculations and properly corrected 17 of the issues identified, with 1 calculation not completed correctly, resulting in \$4,719 in questioned costs.</li> <li>2) Of the 60 students tested, there were 40 students identified where the University had returned the funds untimely (45 days if student attended, 30 days if never attended)</li> <li>3) Of the 60 students tested, there was 1 student with the incorrect Pell Grant amount utilized in return of Title IV calculation, resulting in \$1,587 in questioned costs.</li> <li>4) Of the 60 students tested, we noted a process inconsistency in determining if there was an academically related activity that would better reflect the withdrawal date used in the return to Title IV calculation.</li> </ol> <p><b>Cause and Effect</b> - The University did not have a control in place to ensure all returns of Title IV refunds are initiated timely and accurately. As a result, certain student Title IV refund calculations were not completed in a timely and accurate manner.</p> <p><b>Recommendation</b> - The University should implement controls to ensure returns of Title IV refunds are initiated timely and accurately.</p> <p><b>Views of Responsible Officials and Planned Corrective Actions</b> - Management agrees with the finding. The new financial aid management database made incorrect R2T4 calculations and prevented manual adjustments to the calculations. The calculations are now done externally to the system, and fixes and workarounds have been implemented to allow for the correct processing of R2T4 calculations.</p> <p>As of the fall 2022 semester, R2T4 calculations were being performed in the required time frame. University personnel were not aware there was a shorter deadline (30 days versus 45 days) to return funds if the student had not begun attendance. Therefore, effective March 15, 2023, funds were being returned within 30 days for students for whom there is no confirmed attendance.</p> <p>Beginning with the fall 2022 semester, the Registrar’s Office has initiated procedures to confirm attendance/academic activity for courses that are dropped. This allows the University to identify whether adjustments need to be made to Pell Grants before an R2T4 calculation is performed and to determine if an R2T4 calculation is required or if all aid is to be returned for nonattendance. The withdrawal process itself has been modified to more clearly identify the withdrawal date.</p>	

**Schedule of Findings and Questioned Costs (Continued)**

**Year Ended June 30, 2022**

**Section III - Federal Program Audit Findings (Continued)**

Reference Number	Finding	Questioned Costs
2022-004	<p><b>Assistance Listing Number, Federal Agency, and Program Name</b> - Student Financial Assistance Cluster- Federal Direct Student Loan Program ALN 84.268</p> <p><b>Federal Award Identification Number and Year</b> - Various</p> <p><b>Pass-through Entity</b> - None</p> <p><b>Finding Type</b> - Material weakness and material noncompliance with laws and regulations</p> <p><b>Repeat Finding</b> - No</p> <p><b>Criteria</b> - Before an institution disburses title IV, HEA program funds for any award year, the institution must notify a student of the amount of funds that the student or his or her parent can expect to receive under each title IV, HEA program and how and when those funds will be disbursed. If those funds include Direct Loan Program funds, the notice must indicate which funds are from subsidized loans, which are from unsubsidized loans, and which are from PLUS loans.</p> <p>Except in the case of a post-withdrawal disbursement made in accordance with Sec. 668.22(a)(5), if an institution credits a student's account at the institution with Federal Direct Loans, the institution must notify the student or parent of the following:</p> <ul style="list-style-type: none"> <li>(i) The anticipated date and amount of the disbursement</li> <li>(ii) The student's or parent's right to cancel all or a portion of that loan or loan disbursement and have the loan proceeds returned to the Secretary</li> <li>(iii) The procedures and the time by which the student or parent must notify the institution that he or she wishes to cancel the loan or loan disbursement</li> </ul> <p><b>Condition</b> - The notifications related to the direct loan borrowers did not include information on the right to cancel or instructions on how to cancel the loans.</p> <p><b>Questioned Costs</b> - None</p> <p><b>Identification of How Questioned Costs Were Computed</b> - N/A</p> <p><b>Context</b> - Of the all students tested for eligibility with Federal Direct Loans (sample included 32 students), the disbursement notification sent to the student and/or parent did not include information on the right to cancel or instructions on how to cancel.</p> <p><b>Cause and Effect</b> - The University did not have a control in place to ensure information on the right to cancel or instructions on how to cancel Federal Direct Loans included in the borrower notifications. As a result, borrowers may not have been aware of their right to cancel and how to cancel their Federal Direct Loans.</p>	None

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

Reference Number	Finding	Questioned Costs
2022-004 (Continued)	<p><b>Recommendation</b> - The University should implement controls to ensure information on the right to cancel or instructions on how to cancel Federal Direct Loans is properly included in the borrower notifications.</p> <p><b>Views of Responsible Officials and Planned Corrective Actions</b> - Management agrees with the finding. The University's new financial aid management database does not have the capability to send emails. That functionality does exist in the University's new student information system. Consequently, effective for the fall 2022 semester, the Office of Financial Aid partnered with Office of the Controller - Student Accounts to generate emails on a weekly basis to any student who receives a disbursement of Title IV funds.</p> <p>By May 1, 2023, the University will create similar procedures to identify disbursements of Parent PLUS loans and then coordinate with Office of the Controller - Student Accounts to leverage the student information system to send notifications to parent borrowers.</p>	

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

Reference Number	Finding	Questioned Costs
2022-005	<p><b>Assistance Listing Number, Federal Agency, and Program Name</b> - Student Financial Assistance Cluster - Federal Pell Grants ALN 84.063</p> <p><b>Federal Award Identification Number and Year</b> - Various</p> <p><b>Pass-through Entity</b> - None</p> <p><b>Finding Type</b> - Material weakness and material noncompliance with laws and regulations</p> <p><b>Repeat Finding</b> - No</p> <p><b>Criteria</b> - Each year, based on the maximum Pell Grant established by Congress, the Department of Education provides to institutions payment and disbursement schedules for determining Pell Grant awards. The payment schedule provides the maximum scheduled award a student would receive for a full academic year as a full-time student based on the expected family contribution and cost of attendance (COA). The disbursement schedules are used to determine annual awards for full-time, three-quarter time, half-time, and less-than-half-time students. All schedules, however, are based on the COA of a full-time student for a full academic year.</p> <p><b>Condition</b> - The University awarded incorrect Pell Grant awards to certain students based on the Pell payment and disbursement schedule.</p> <p><b>Questioned Costs</b> - \$7,143</p> <p><b>Identification of How Questioned Costs Were Computed</b> - Recalculation of the Pell Grant award based on the student's expected family contribution and cost of attendance</p> <p><b>Context</b> - There were two errors identified that were attributed to this finding.</p> <p>1) Of the 47 students tested who received a Pell Grant as part of the eligibility sample, there were 5 students who changed their academic load between the census date (quarter term) and the date used to determine eligibility for the purpose of Pell, resulting in an overpayment of Pell due to the student information system using an incorrect enrollment status to calculate the students' Pell Grant award.</p> <p>2) Of the 47 students tested who received a Pell Grant and tested for eligibility, there was 1 student who was not awarded a Pell Grant for the fall semester due to the student information system not properly recognizing the student's enrollment status.</p> <p><b>Cause and Effect</b> - The University did not have a control in place to ensure the Pell Grant awards to students was calculated properly and in accordance with the Pell payment and disbursement schedule. As a result, certain students' Pell Grant awards were not calculated properly in accordance with the Pell payment and disbursement schedule.</p>	\$7,143



Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

Reference Number	Finding	Questioned Costs
2022-005 (Continued)	<p><b>Recommendation</b> - The University should implement a control to ensure the Pell Grant awards to students are calculated properly and are in accordance with the Pell payment and disbursement schedule.</p> <p><b>Views of Responsible Officials and Planned Corrective Actions</b> - Management agrees with the finding. The University's new financial aid management database was modified to use the census date for Pell recalculation rather than an arbitrary number of days into the term that did not match the University's policy. The correction for this finding was implemented prior to aid being disbursed for the fall 2022 semester.</p>	

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

Reference Number	Finding	Questioned Costs
2022-006	<p><b>Assistance Listing Number, Federal Agency, and Program Name</b> - Student Financial Assistance Cluster - Federal Direct Student Loan Program ALN 84.268 and Federal Pell Grants ALN 84.063</p> <p><b>Federal Award Identification Number and Year</b> - Various</p> <p><b>Pass-through Entity</b> - None</p> <p><b>Finding Type</b> - Significant deficiency</p> <p><b>Repeat Finding</b> - No</p> <p><b>Criteria</b> - An institution is required to establish written policies and procedures that incorporate the provisions of 34 CFR 668.51 through 668.61 for verifying applicant information for those applicants selected for verification by the Department of Education (ED). The institution shall require each applicant whose application is selected by ED to verify the information required for the verification tracking group to which the applicant is assigned. However, certain applicants are excluded from the verification process as listed in 34 CFR 668.54(b). A menu of potential verification items for each award year is published in the Federal Register, and the items to verify for a given application are selected by ED from that menu and indicated on the student's output documents. Verification tracking groups and verification items for each award year can also be found in the annual FSA Handbook, Application and Verification Guide, Chapter 4. The institution shall also require applicants to verify any information used to calculate an applicant's expected family contribution that the institution has reason to believe is inaccurate and provide an accurate code for the individual's verification status in the Common Origination and Disbursement (COD) system.</p> <p><b>Condition</b> - The University did not obtain the correct tax return as part of the verification process.</p> <p><b>Questioned Costs</b> - \$1,050</p> <p><b>Identification of How Questioned Costs Were Computed</b> - Recalculation of the Pell Grant award using the correct income tax return and accurate expected family contribution</p> <p><b>Context</b> - Of the 40 students selected for verification, there were 2 students who provided an incorrect income tax return rather than the return that was requested. As a result, the incorrect expected family contribution was used to determine the students' Pell Grant award.</p> <p><b>Cause and Effect</b> - The University did not have a control in place to ensure the proper income tax returns are used in the verification process. As a result, certain students' expected family contribution was inaccurate, and incorrect Pell Grant awards were disbursed.</p> <p><b>Recommendation</b> - The University should implement a control to ensure the proper income tax returns are used in the verification process.</p>	\$1,050

**Michigan State University**

**Schedule of Findings and Questioned Costs (Continued)**

**Year Ended June 30, 2022**

**Section III - Federal Program Audit Findings (Continued)**

Reference Number	Finding	Questioned Costs
2022-006 (Continued)	<b>Views of Responsible Officials and Planned Corrective Actions -</b> Management agrees with the finding. The University's initial understanding was that the new financial aid management database extracted the required data from the uploaded documents. When it was discovered that this was not the case, the Office of Financial Aid disabled this functionality in the system and began reviewing all uploaded documents in January 2022 to confirm that they are the required documents.	