Federal Awards Supplemental Information June 30, 2020

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

#### **Independent Auditor's Report**

To the Board of Trustees Michigan State University

We have audited the basic financial statements of Michigan State University (the "University") and its discretely presented component unit as of and for the year ended June 30, 2020 and the related notes to the financial statements, which collectively comprise the University's basic financial statements. We issued our report thereon dated October 29, 2020, which contained an unmodified opinion on the financial statements and its component unit. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. We have not performed any procedures with respect to the audited financial statements subsequent to October 29, 2020. We did not audit the financial statements of Michigan State University Foundation (the "Foundation"), which represent all of the assets, net assets, and revenue of the discretely presented component unit. Those financial statements were audited by other auditors, whose report thereon has been furnished to us, and our opinion, insofar as it relates to the amounts included for the Foundation, is based on the report of the other auditors.

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

Alente i Moran, PLLC

May 3, 2021





Report on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with *Government Auditing Standards* 

#### **Independent Auditor's Report**

To Management and the Board of Trustees Michigan State University

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of Michigan State University (the "University") as of and for the year ended June 30, 2020 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 29, 2020. Our report includes a reference to other auditors who audited the financial statements of Michigan State University's financial statements. This report does not include the results of the other auditors' testing of internal control over financial reporting or compliance and other matters that are reported on separately by those auditors. The financial statements of the Foundation were not audited in accordance with *Government Auditing Standards*.

#### Internal Control Over Financial Reporting

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

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the University's financial statements will not be prevented, or detected and corrected, on a timely basis. A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

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

#### **Compliance and Other Matters**

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



To Management and the Board of Trustees Michigan State University

#### Purpose of This Report

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

Alante i Moran, PLLC

October 29, 2020



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

#### **Independent Auditor's Report**

To the Board of Trustees Michigan State University

#### Report on Compliance for Each Major Federal Program

We have audited Michigan State University's (the "University") compliance with the types of compliance requirements described in the U.S. Office of Management and Budget (OMB) Compliance Supplement that could have a direct and material effect on each of the University's major federal programs for the year ended June 30, 2020. The University's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

The University's basic financial statements include the operations of Michigan State University Foundation (the "Foundation"). Our audit, described below, did not include the operations of the Foundation because the Foundation did not expend any federal awards during the year ended June 30, 2020.

#### Management's Responsibility

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

#### Auditor's Responsibility

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

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (the "Uniform Guidance"). Those standards and the Uniform Guidance require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the University's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

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

#### **Opinion on Each Major Federal Program**

In our opinion, the University complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of the major federal programs for the year ended June 30, 2020.



To the Board of Trustees Michigan State University

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

Management of the University is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the University's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the University's internal control over compliance.

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

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, we identified a certain deficiency in internal control over compliance, as described in the accompanying schedule of findings and questioned costs as Finding 2020-001, that we consider to be a significant deficiency.

The University's response to the internal control over compliance finding identified in our audit is described in the accompanying corrective action plan. The University's response was not subjected to the auditing procedures applied in the audit of compliance, and, accordingly, we express no opinion on the response.

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.

Alante i Moran, PLLC

May 3, 2021

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Dis Dept of Agriculture         Dept         10.002         9.0026-9-14         ARRCLUTURE RESEARCH SENTCH         (B0)           15 Dept of Agriculture         Dept         10.001         9.0026-6-00         US DEPT of ARRCLUTURE         (B1)           15 Dept of Agriculture         Dept         10.001         9.0026-6-00         US DEPT of ARRCLUTURE         (B2)           16 Dept of Agriculture         Dept         10.001         9.0026-6-03         US DEPT of ARRCLUTURE         (B2)           16 Dept of Agriculture         Dept         10.001         9.0026-6-13         US DEPT of ARRCLUTURE RESEARCH SERVICE         (B2)           10 Dept of Agriculture         Dept         10.001         9.0026-6-13         MARCLUTURE RESEARCH SERVICE         (B2)           10 Dept of Agriculture         Dept         10.001         9.9026-7-03         ARRCLUTURE RESEARCH SERVICE         (B2)           10 Dept of Agriculture         Dept         10.001         9.9026-70         US DEPT of ARRCLUTURE RESEARCH SERVICE         (B2)           10 Dept of Agriculture         Dept         10.001         9.0005-700         MARCLUTURE RESEARCH SERVICE         (B2)           10 Dept of Agriculture         Dept         10.001         ASUMPERTOR SERVICE         (B2)         (B2)           10 Dept of Agriculture							-
Dis Der of Aprilability         Direct         JODD         S QUID 4-OD         US DEPT OF AGRICULTURE         (B1)           Dis Der of Aprilability         Direct         JODD         S QUID 4-OD         US DEPT OF AGRICULTURE         7,522           Dis Der of Aprilability         Direct         JODD         S QUID 4-OD         US DEPT OF AGRICULTURE         1,134           Dis Der of Aprilability         Direct         JODD         S QUID 4-OD         US DEPT OF AGRICULTURE         1,245           Dis Der of Aprilability         Direct         JODD         S QUID 4-DD         JODD         S QUID 4-DD							-
Dis Der of Agriculture         Der of Agriculture         15.000         59.0006-003         UD DERT OF AGRICULTURE         5.135           15.0001         59.0006-003         UD DERT OF AGRICULTURE         5.200           15.0001         59.0006-003         UD DERT OF AGRICULTURE         5.200           15.0001         59.0006-003         UD DERT OF AGRICULTURE RESERVES ENVECE         5.200           15.0001         59.0006-003         UD DERT OF AGRICULTURE RESERVES ENVECE         5.800           15.0001         59.0006-001         UD DERT OF AGRICULTURE RESERVES ENVECE         5.800           15.0001         59.0006-001         UD DERT OF AGRICULTURE RESERVES ENVECE         1.800           15.0001         59.0006-001         UD DERT OF AGRICULTURE RESERVES ENVECE         1.800           15.0001         59.0006-001         UD DERT OF AGRICULTURE RESERVES ENVECE         1.800           15.0001         59.0006-001         UD REST OF AGRICULTURE RESERVES ENVECE         1.800           15.0001         59.0006-001         UD REST OF AGRICULTURE RESERVES ENVECE         1.800           15.0001         59.0006-001         UD REST OF AGRICULTURE RESERVES ENVECE         1.800           15.0001         59.0006-001         UD REST OF AGRICULTURE RESERVES ENVECE         1.800           15.0001							-
Ub Dept d Agintulare         Dest         1.00         59-0206-6-04         US DEPT O AGINULTURE         55.35           US Dept of Agintular         Dest         1.000         59-0206-6-04         US DEPT O AGINULTURE         52.322           US Dept of Agintular         Dest         1.000         59-0206-6-04         US DEPT O AGINULTURE         52.324           US Dept of Agintular         Dest         1.001         59-0206-6-04         US DEPT O AGINULTURE         52.334           US Dept of Agintular         Dest         1.001         59-507-00         AGINULTURE ISSAMDS         52.334           US Dept of Agintular         Dest         1.001         59-507-00         AGINULTURE ISSAMDS         52.334           US Dept of Agintular         Dest         1.001         79-000-011         AGINULTURE ISSAMDS         62.334           US Dept of Agintular         Dest         1.0010         2.0000000000         AGINULTURE ISSAMDS         40.0010         40.0010           US Dept of Agintular         Dest         1.0010         AGINULTURE ISSAMDS         40.0010         40.0010         40.0010         40.0010         40.0010         40.0010         40.0010         40.0010         40.0010         40.0010         40.0010         40.0010         40.0010         40.0010							-
Ub Dept of Aginature         Dect         1000         990026-8130         UB DEPT of Aginature         12.1264           UB Dept of Aginature         Dect         1000         990026-8125         AGRCUTURA RESEARCH SERVEC         12.804           UB Dept of Aginature         Dect         1000         990070-011         AGRCUTURA RESEARCH SERVEC         13.83           UB Dept of Aginature         Dect         1000         990070-011         AGRCUTURA RESEARCH SERVEC         13.83           UB Dept of Aginature         Dect         10.001         990070-011         AGRCUTURA RESEARCH SERVEC         13.83           UB Dept of Aginature         Dect         10.001         900070-011         AGRCUTURA RESEARCH SERVEC         16.30           UB Dept of Aginature         Dect         10.002         20000002300         AGRCUTURA RESEARCH SERVEC         48.31           UB Dept of Aginature         Dect         10.003         APIBPOD0000742         AMINA AND PART HEALT RESECTION SERVEC         49.33           UB Dept of Aginature         Dect         10.003         APIBPOD000742         AMINA AND PART HEALT RESECTION SERVEC         49.33           UB Dept of Aginature         Dect         10.003         APIBPOD000742         AMINA AND PART HEALT RESECTION SERVEC         49.33           UB Dept of Agi	US Dept of Agriculture	Direct	10.001	59-0206-6-004	US DEPT OF AGRICULTURE	5,185	-
Ub Dept of Agriculture         Dept of Agriculture <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>							-
Ub Dept of AgricultureUnited10.009-2038-602AGRICULTURAL RESARCY SERVICE9.58UB Dept of AgricultureDirect10.009-6078-601AGRICULTURAL RESARCY SERVICE10.03UB Dept of AgricultureDirect10.033-6077-700AGRICULTURAL RESARCY SERVICE15.03UB Dept of AgricultureDirect10.033-6077-700AGRICULTURAL RESARCY SERVICE15.03UB Dept of AgricultureDirect10.022-0000002537 JAN APSPC/200002547NINAL AND PLANT HEALTI NEPSCITON SERVICE3.93UB Dept of AgricultureDirect10.02APJPRQ5500002547NINAL AND PLANT HEALTI NEPSCITON SERVICE3.93UB Dept of AgricultureDirect10.02APJPRQ550000257ANINAL AND PLANT HEALTI NEPSCITON SERVICE3.93UB Dept of AgricultureDirect10.02APJPRQ550000257ANINAL AND PLANT HEALTI NEPSCITON SERVICE3.93UB Dept of AgricultureDirect10.02APJPRQ550000256ANINAL AND PLANT HEALTI NEPSCITON SERVICE3.93UB Dept of AgricultureDirect10.02APJPRQ550000256ANINAL AND PLANT HEALTI NEPSCITON SERVICE3.93UB Dept of AgricultureDirect10.02APJPRQ550000251ANINAL AND PLANT HEALTI NEPSCITON SERVICE3.93UB Dept of AgricultureDirect10.02APJPRQ550000251ANINAL AND PLANT HEALTI NEPSCITON SERVICE3.93UB Dept of AgricultureDirect10.02APJPRQ550000251ANINAL AND PLANT HEALTI NEPSCITON SERVICE3.93UB Dept of AgricultureDirect10.02 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>							-
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Ub Dept of Agriculture         Ubred         10.02         S000000000000000000000000000000000000					AGRICULTURAL RESEARCH SERVICE		-
Ub Dept of Agriculture         Direct         10.000         B000000873 PAIN AFJ9PG50000247         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         18.2           Ub Dept of Agriculture         Direct         10.025         AFJ8PG500002432         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         18.2           Ub Dept of Agriculture         Direct         10.025         AFJ8PG500002432         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         18.2           US Dept of Agriculture         Direct         10.025         AFJ8PG50000243         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         13.23           US Dept of Agriculture         Direct         10.025         AFJ8PG50000230         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         10.25           US Dept of Agriculture         Direct         10.025         AFJ8PG50000210         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         10.25           US Dept of Agriculture         Direct         10.025         AFJ8PG50000210         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         10.026           US Dept of Agriculture         Direct         10.025         AFJ8PG50000213         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         10.026           US Dept of Agriculture         Direct         10.025         AFJ8PG50000213         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         10.026           US Dept	US Dept of Agriculture	Direct	10.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	63,100	-
US Dept of Agriculture         Direct         A12/PSES TODC/13         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         182           US Dept of Agriculture         Direct         1.0025         AP38PPC5000C64         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         15.201           US Dept of Agriculture         Direct         1.0025         AP38PPC5000C65         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         15.201           US Dept of Agriculture         Direct         1.0025         AP38PPC5500C256         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         15.205           US Dept of Agriculture         Direct         1.0025         AP38PPC5500C256         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         15.205           US Dept of Agriculture         Direct         1.0025         AP38PPC5500C255         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         22.773           US Dept of Agriculture         Direct         1.0025         AP38PPC5500C125         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         87.894           US Dept of Agriculture         Direct         1.0025         AP38PPC5500C125         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         27.737           US Dept of Agriculture         Direct         1.0025         AP38PPC5500C125         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         47.896           US Dept of Agriculture							-
US Dept of Agiculture         Direct         A139PPG0000C42         ANIMAL AND PLAT HEALTH INSPECTION SERVICE         43.91           US Dept of Agiculture         Direct         10.025         A139PC38T000256         ANIMAL AND PLAT HEALTH INSPECTION SERVICE         55.86           US Dept of Agiculture         Direct         10.025         A139PC38T000258         ANIMAL AND PLAT HEALTH INSPECTION SERVICE         45.935           US Dept of Agiculture         Direct         10.025         A139PC38 T000256         ANIMAL AND PLAT HEALTH INSPECTION SERVICE         12.934           US Dept of Agiculture         Direct         10.025         A139PC38 T000256         ANIMAL AND PLAT HEALTH INSPECTION SERVICE         12.934           US Dept of Agiculture         Direct         10.025         A139PC38 T000256         ANIMAL AND PLAT HEALTH INSPECTION SERVICE         22.773           US Dept of Agiculture         Direct         10.025         A139PC38 T000255         ANIMAL AND PLAT HEALTH INSPECTION SERVICE         86.005           US Dept of Agiculture         Direct         10.025         A139PC38 T000256         ANIMAL AND PLAT HEALTH INSPECTION SERVICE         10.005           US Dept of Agiculture         Direct         10.025         A139PC38 T000256         ANIMAL AND PLAT HEALTH INSPECTION SERVICE         10.005           US Dept of Agiculture         Direct<							-
US Dep to Agriculture         Direct         APJ.8PDS.8T00C26         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         15.20           US Dep to Agriculture         Direct         10.025         APJ.8PDS.8T00C303         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         5.98           US Dep to Agriculture         Direct         10.025         APJ.8PDS.8T00C303         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         12.934           US Dep to Agriculture         Direct         10.025         APJ.8PDS.8T00C305         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         12.934           US Dep to Agriculture         Direct         10.025         APJ.9PDS.8T00C305         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         12.924           US Dep to Agriculture         Direct         10.025         APJ.9PDS.8T00C130         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         38.924           US Dep to Agriculture         Direct         10.025         APJ.9PDS.8T00C130         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         8.987           US Dep to Agriculture         Direct         10.025         APJ.9PDS.8T00C130         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         3.987           US Dep to Agriculture         Direct         10.026         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         3.987           US Dep to Agriculture         Direct         1							-
US Dep of Agriculture         Direct         APJBPCSS TDC030         APJMBPCSS TDC0206         APJMBPCSS T							-
US bept of Agriculture         Direct         10.025         APJBPOSS TO0C266         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         11.034           US bept of Agriculture         Direct         10.025         APJBPOSS TO0C036         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         32.624           US bept of Agriculture         Direct         10.025         APJBPOSS TO0C037         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         32.634           US bept of Agriculture         Direct         10.025         APJBPOSS TO0C039         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         36.044           US bept of Agriculture         Direct         10.025         APJBPOSS TO0C139         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         36.044           US bept of Agriculture         Direct         10.025         APJBPOSS TO0C139         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         36.045           US bept of Agriculture         Direct         10.025         APJBPOSS TO0C139         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         36.045           US bept of Agriculture         Direct         10.025         APJBPOSS TO0C139         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         36.045           US bept of Agriculture         Direct         10.025         APJBPOSS TO0C039         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         36.045							-
US berg of Agriculture         Direct         10.025         APJSPPCS & TODCCJS         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         12.6.224           US berg of Agriculture         Direct         10.025         APJSPPCS STODCCJS         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         32.624           US berg of Agriculture         Direct         10.025         APJSPPCS STODCCJS         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         36.005           US berg of Agriculture         Direct         10.025         APJSPPCS STODCCJS         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         87.005           US berg of Agriculture         Direct         10.025         APJSPPCS STODCCJS         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         6.617           US berg of Agriculture         Direct         10.025         APJSPPCS STODCCJS         ANIMAL ADP PLANT HEALTIN INSPECTION SERVICE         6.517           US berg of Agriculture         Direct         10.056         AMISIDIOXXXXG151         AGRICULTULAL MARKETING SERVICE         6.517           US berg of Agriculture         Direct         10.056         AMISIDIOXXXXG151         AGRICULTULAL MARKETING SERVICE         6.517           US berg of Agriculture         Direct         10.020         2013-4441-2487         US Derg of Agriculture         19.291           US berg of Agriculture		Direct					-
US bept of Agriculture         Piret         10.025         APISPPOSE NOTCO.31         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         26.274           US bept of Agriculture         Piret         10.025         APISPPOSE NOTCO.35         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         27.73           US bept of Agriculture         Piret         10.025         APISPPOSE NOTCO.35         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         87.86           US bept of Agriculture         Piret         10.025         APISPPOSE NOTCO.35         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         87.86           US bept of Agriculture         Piret         10.025         APISPPOSE NOTCO.35         ANIMAL AND PLANT HEALTIN INSPECTION SERVICE         66.17           US bept of Agriculture         Piret         10.026         AMISIO NOXKOG.54         AGRICULTURAL MARKETING SERVICE         65.807           US bept of Agriculture         Piret         10.156         AMISIO NOXKOG.52         AGRICULTURAL MARKETING SERVICE         65.916           US bept of Agriculture         Piret         10.020         20.434141.24287         US DEPT OF AGRICULTURE         69.807           US bept of Agriculture         Piret         10.020         20.154.907.2756         US DEPT OF AGRICULTURE         99.437           US bept of Agriculture         Piret <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></td<>							-
US bept of Agriculture         Direct         10.025         AP19PPQSRT00C109         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         31.67           US bept of Agriculture         Direct         10.025         AP19PPQSRT00C153         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         82.07           US bept of Agriculture         Direct         10.025         AP19PPQSRT00C153         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         87.995           US bept of Agriculture         Direct         10.025         AP19PPQSRT00C178         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         10.005           US bept of Agriculture         Direct         10.156         AM1800000XX6151         ARIMELTINA SERVICE         58.07           US bept of Agriculture         Direct         10.156         AM180000XX6151         AGRICULTURAL MARETINO SERVICE         32.161           US bept of Agriculture         Direct         10.156         AM180000XX6154         AGRICULTURAL MARETINO SERVICE         32.161           US bept of Agriculture         Direct         10.20         20.16-3414-122477         US bept of Agriculture         10.92         32.161           US bept of Agriculture         Direct         10.20         20.13-3413-22477         US bept of Agriculture         39.163           US bept of Agriculture         Direct         10.20							-
US bept of AgricultureDirect10.025AP19PPQSRT00C13ANIMAL AND PLANT HEALTH INSPECTION SERVICE22,737US bept of AgricultureDirect10.025AP19PPQSRT00C153ANIMAL AND PLANT HEALTH INSPECTION SERVICE830US bept of AgricultureDirect10.025AP19PPQSRT00C175ANIMAL AND PLANT HEALTH INSPECTION SERVICE87936US bept of AgricultureDirect10.025AP19PPQSRT00C178ANIMAL AND PLANT HEALTH INSPECTION SERVICE6517US bept of AgricultureDirect10.156AMI300000XG151AGRICULTURAL MARKETINS SERVICE6517US bept of AgricultureDirect10.156AMI300000XG151AGRICULTURAL MARKETINS SERVICE651807US bept of AgricultureDirect10.164197MMSD-MH-0008AGRICULTURAL MARKETINS SERVICE651937US bept of AgricultureDirect10.202013-5414.123677US DEPT OF AGRICULTURAL MARKETINS SERVICE93,931US bept of AgricultureDirect10.202013-5414.123677US DEPT OF AGRICULTURE93,931US bept of AgricultureDirect10.202013-5413.1324NaTONAL INFO OF DODA AGRICULTURE93,931US bept of AgricultureDirect10.202013-5433.2382NaTONAL INFO OF DODA AGRICULTURE93,433US bept of AgricultureDirect10.202013-5433.2382NaTONAL INFO OF DODA AGRICULTURE93,433US bept of AgricultureDirect10.202013-54365US DA -AGRICULTURE93,434US bept of AgricultureDirect10.202003/54676U							-
bit be per of Agriculture         Direct         10.25         AP19PQSAT0C153         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         8.80           US bept of Agriculture         Direct         10.05         AP19PQSAT0C157         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         6.91           US bept of Agriculture         Direct         10.05         AP19PQSAT0C178         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         6.91           US bept of Agriculture         Direct         10.15         AM180100000006151         ARGRULTURAL ANAPETINE SERVICE         6.93           US bept of Agriculture         Direct         10.15         AM1801000000062         AGRICULTURAL MARKETINE SERVICE         3.21.61           US bept of Agriculture         Direct         10.20         2014-3414-32.97         US DEPT of AGRICULTURE         (1.932)           US bept of Agriculture         Direct         10.20         2014-3414-32.97         US DEPT of AGRICULTURE         29.99           US bept of Agriculture         Direct         10.20         2014-3414-32.97         US DEPT of AGRICULTURE         39.313           US bept of Agriculture         Direct         10.20         2015-7007-35.75         US DEPT of AGRICULTURE         39.313           US bept of Agriculture         Direct         10.20         2015-7007-35.75         US DEP							-
US Dept of Agriculture         Direct         10.025         AP19PPQS8T00C178         ANIMAL AND PLANT HEALTH INSPECTION SERVICE         10,000           US Dept of Agriculture         Direct         10.56         AM1801000XXX6151         AGRICULTURAL MARKETING SERVICE         (5,519)           US Dept of Agriculture         Direct         10.56         AM1801000XXX6151         AGRICULTURAL MARKETING SERVICE         (3,519)           US Dept of Agriculture         Direct         10.56         AM1901000XXK6162         AGRICULTURAL MARKETING SERVICE         32,161           US Dept of Agriculture         Direct         10.26         2014-34141-23277         US Dept of Agriculture         (1,959)           US Dept of Agriculture         Direct         10.200         2015-34141-23277         US Dept of Agriculture         (1,959)           US Dept of Agriculture         Direct         10.200         2015-34141-32377         US Dept of Agriculture         (3,91)           US Dept of Agriculture         Direct         10.200         2015-34141-32377         US Dept of Agriculture         (3,91)           US Dept of Agriculture         Direct         10.200         2015-34141-32377         US Dept of Agriculture         (3,91)           US Dept of Agriculture         Direct         10.200         2015-34383-32082         NATOMAL INST							-
IS Bept of Agriculture         Direct         10.025         AP20PPOS8T00C019         ANIMAL & PLANT HEALTH INSPECTION SERVICE         66.17           US Dept of Agriculture         Direct         10.56         AM1801000XXX6154         AGRICULTURAL MARKETING SERVICE         (3.51)           US Dept of Agriculture         Direct         10.56         AM1801000XXX6154         AGRICULTURAL MARKETING SERVICE         (3.51)           US Dept of Agriculture         Direct         10.56         AM1901000XX60562         AGRICULTURAL MARKETING SERVICE         (3.52)           US Dept of Agriculture         Direct         10.20         2016-34141-25707         US DEPT OF AGRICULTURE         (3.92)           US Dept of Agriculture         Direct         10.200         2016-34141-25707         US DEPT OF AGRICULTURE         (3.91)           US Dept of Agriculture         Direct         10.200         2013-34141-25707         US DEPT OF AGRICULTURE         (3.91)           US Dept of Agriculture         Direct         10.200         2013-34141-25707         US DEPT OF AGRICULTURE         (3.91)           US Dept of Agriculture         Direct         10.200         2013-34141-25707         US DEPT OF AGRICULTURE         (3.91)           US Dept of Agriculture         Direct         10.200         2013-34341-25707         US DEPT OF AGRICULT							39,582
US Depit of Agriculture         Direct         10.156         AM180100XXXG151         AGRICULTURAL MARKETING SERVICE         (5.519)           US Depit of Agriculture         Direct         10.156         AM190100XXXG150         AGRICULTURAL MARKETING SERVICE         (3.519)           US Depit of Agriculture         Direct         10.156         AM190100XXXG1502         AGRICULTURAL MARKETING SERVICE         (3.519)           US Depit of Agriculture         Direct         10.200         2016-34141-2247         US DEPT of AGRICULTURAL         (1.921)           US Depit of Agriculture         Direct         10.200         2016-34141-2247         US DEPT of AGRICULTURE         (1.932)           US Depit of Agriculture         Direct         10.200         2016-34141-22707         US DEPT of AGRICULTURE         (3.913)           US Depit of Agriculture         Direct         10.200         2019-3433-27028         NATIONAL INST OF FOOB AAGRICULTURE         (3.913)           US Depit of Agriculture         Direct         10.200         2019-3433-29882         NATIONAL INST OF FOOB AAGRICULTURE         (3.927)           US Depit of Agriculture         Direct         10.202         N20MSCFR0XXG069         USDA - AGRICULTURE US. DEPT.         (3.927)           US Depit of Agriculture         Direct         10.202         N20MSCFR0XXG069							-
US Dept of Agriculture         Direct         10.156         AM180100XXXX6154         AGRICULTURAL MARKETING SERVICE         (3.519)           US Dept of Agriculture         Direct         10.156         AM190100XXX60562         AGRICULTURAL MARKETING SERVICE         (3.519)           US Dept of Agriculture         Direct         10.164         19-TMMSD-MI-0008         AGRICULTURAL MARKETING SERVICE         (1.922)           US Dept of Agriculture         Direct         10.200         2016-34141-27377         US DEPT OF AGRICULTURE         (3.11)           US Dept of Agriculture         Direct         10.200         2016-34141-32784         NATIONAL INST OF FOOD AN AGRICULTURE         (3.91)           US Dept of Agriculture         Direct         10.200         2019-34383-27028         NATIONAL INST OF FOOD AN AGRICULTURE         (3.94)           US Dept of Agriculture         Direct         10.200         2019-34383-29822         NATIONAL INST OF FOOD AN AGRICULTURE         (3.94)           US Dept of Agriculture         Direct         10.202         N120MSCFRXXG696         USDA - AGRICULTURE US. DEPT.         (3.94)           US Dept of Agriculture         Direct         10.202         N120MSCFRXXG696         USDA - AGRICULTURE US. DEPT.         (3.94)           US Dept of Agriculture         Direct         10.202         N120MSCFRXX							-
US Dept of AgricultureDirect10.16AM190100XXXXG062AGRICULTURAL MARKETING SERVICE32.161US Dept of AgricultureDirect10.202014-3414.2287US DEPT OF AGRICULTURE(1.920)US Dept of AgricultureDirect10.2002014-3414.22877US DEPT OF AGRICULTURE(1.920)US Dept of AgricultureDirect10.2002016-3414.22877US DEPT OF AGRICULTURE29.1937US Dept of AgricultureDirect10.2002017-3483.27028NATIONAL INST OF FOOD AND AGRICULTURE39.131US Dept of AgricultureDirect10.2002019-3433.27028NATIONAL INST OF FOOD AND AGRICULTURE39.131US Dept of AgricultureDirect10.2002019-3433.29882NATIONAL INST OF FOOD AND AGRICULTURE39.132.40US Dept of AgricultureDirect10.2021019-7007.3417US DEPT OF AGRICULTURE39.131US Dept of AgricultureDirect10.202N20MSCFRXXXG069USDA - AGRICULTURE US. DEPT.29.182US Dept of AgricultureDirect10.202N20MSCFRXXXG069USDA - AGRICULTURE US. DEPT.49.058US Dept of AgricultureDirect10.202N20MSCFRXXXG069USDA - AGRICULTURE US. DEPT.49.058US Dept of AgricultureDirect10.202N20MSCFRXXG069USDA - AGRICULTURE US. DEPT.49.058US Dept of AgricultureDirect10.202N20MSCFRXXG069USDA - AGRICULTURE US. DEPT.49.059US Dept of AgricultureDirect10.202N20MSCFRXXG069USDA - AGRICULTURE US. DEPT.49.05							-
US bept of AgricultureDirect10.202014-3141-22487US DEPT OF AGRICULTURE(19.92)US bept of AgricultureDirect10.2002016-30414-25775US DEPT OF AGRICULTURE39.131US bept of AgricultureDirect10.2002017-304383-2725NATIONAL INST OF FOOD AGRICULTURE39.131US bept of AgricultureDirect10.2002013-3413-30284NATIONAL INST OF FOOD AGRICULTURE38.45,77US bept of AgricultureDirect10.2002013-3413-30284NATIONAL INST OF FOOD AGRICULTURE39.25US bept of AgricultureDirect10.2002013-3043-30284NATIONAL INST OF FOOD AGRICULTURE30.86US bept of AgricultureDirect10.2022013-9007-30417US DEPT OF AGRICULTURE50.826US bept of AgricultureDirect10.202NI20MSCFRXXG6069USDA - AGRICULTURE U.S. DEPT.9,152US bept of AgricultureDirect10.202NI20MSCFRXXG609USDA - AGRICULTURE U.S. DEPT.40,058US bept of AgricultureDirect10.202NI20MSCFRXXG609USDA - AGRICULTURE U.S. DEPT. <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></td<>							-
US Dept of Agriculture         Direct         10.20         2016-34141-25707         US DEPT OF AGRICULTURE         291.937           US Dept of Agriculture         Direct         10.200         2017-34382-27028         NATIONAL INST OF FOOD AND AGRICULTURE         39,131           US Dept of Agriculture         Direct         10.200         2017-34382-27028         NATIONAL INST OF FOOD AND AGRICULTURE         391.343           US Dept of Agriculture         Direct         10.200         2019-34383-27028         NATIONAL INST OF FOOD AND AGRICULTURE         31.240           US Dept of Agriculture         Direct         10.200         2019-34383-2982         NATIONAL INST OF FOOD AND AGRICULTURE         35.240           US Dept of Agriculture         Direct         10.202         2019-3007-30417         US DEPT OF AGRICULTURE US.DEPT.         59.252           US Dept of Agriculture         Direct         10.202         N120MSCFRXXX0609         USDA - AGRICULTURE US.DEPT.         27.937           US Dept of Agriculture         Direct         10.202         N120MSCFRXXX0609         USDA - AGRICULTURE US.DEPT.         40.558           US Dept of Agriculture         Direct         10.202         N120MSCFRXXX0609         USDA - AGRICULTURE US.DEPT.         45.047           US Dept of Agriculture         Direct         10.202         N120MSC		Direct				16,978	-
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US Dept of Agriculture         Direct         10.200         2019-34141-30244         NATIONAL INST OF FOOD & AGRICULTURE         34,477           US Dept of Agriculture         Direct         10.200         2019-34383-29882         NATIONAL INST OF FOOD & AGRICULTURE         50,826           US Dept of Agriculture         Direct         10.200         2019-34383-29882         US Dept of AGRICULTURE         50,826           US Dept of Agriculture         Direct         10.202         NI20MSCFRXXG069         USDA - AGRICULTURE U.S. DEPT.         27,937           US Dept of Agriculture         Direct         10.202         NI20MSCFRXXG069         USDA - AGRICULTURE U.S. DEPT.         40,058           US Dept of Agriculture         Direct         10.202         NI20MSCFRXXG069         USDA - AGRICULTURE U.S. DEPT.         43,941           US Dept of Agriculture         Direct         10.202         NI20MSCFRXXG069         USDA - AGRICULTURE U.S. DEPT.         45,078           US Dept of Agriculture         Direct         10.202         NI20MSCFRXXG069         USDA - AGRICULTURE U.S. DEPT.         64,002           US Dept of Agriculture         Direct         10.203         NI20HFPXXXKG069         USDA - AGRICULTURE U.S. DEPT.         64,002           US Dept of Agriculture         Direct         10.203         NI20HFPXXXKG056							
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US Dept of Agriculture         Direct         10.202         NI20MSCFRXXXG069         USDA - AGRICULTURE U.S. DEPT.         45,078           US Dept of Agriculture         Direct         10.202         NI20MSCFRXXXG069         USDA - AGRICULTURE U.S. DEPT.         59,952           US Dept of Agriculture         Direct         10.202         NI20MSCFRXXXG069         USDA - AGRICULTURE U.S. DEPT.         63,697           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXG056         USDA - AGRICULTURE U.S. DEPT.         6,402           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXG056         USDA - AGRICULTURE U.S. DEPT.         25,000           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXG056         USDA - AGRICULTURE U.S. DEPT.         29,319           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXG056         USDA - AGRICULTURE U.S. DEPT.         29,319           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXG056         USDA - AGRICULTURE U.S. DEPT.         36,320           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXG055         USDA - AGRICULTURE U.S. DEPT.         34,431           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXG055         U							-
US Dept of AgricultureDirect10.202N120MSCFRXXXG0669USDA - AGRICULTURE U.S. DEPT.59.952US Dept of AgricultureDirect10.203N120MSCFRXXXG056USDA - AGRICULTURE U.S. DEPT.64.02US Dept of AgricultureDirect10.203N120MFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.64.02US Dept of AgricultureDirect10.203N120MFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.18.030US Dept of AgricultureDirect10.203N120MFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.29.319US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.29.319US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.36.220US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.214.841US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.226.334US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.266.334US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE							-
US Dept of AgricultureDirect10.203N120HFPXXXXXG0556USDA - AGRICULTURE U.S. DEPT.6,402US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.18,030US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.22,030US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.23,130US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.23,313US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.36,320US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.36,320US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.34,431US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.214,841US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.226,534US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.266,534US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.383,207US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULTURE U.S. DEPT.383,207US Dept of AgricultureDirect10.203N120HFPXXXXXG056USDA - AGRICULT	US Dept of Agriculture						-
US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         18,030           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         25,000           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         25,000           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         31,140           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         36,321           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         36,3231           US Dept of Agriculture         Direct         10.203         N120HFPXXXXG056         USDA - AGRICULTURE U.S. DEPT.         44,282           US Dept of Agriculture         Direct         10.203         N120HFPXXXXG056         USDA - AGRICULTURE U.S. DEPT.         214,841           US Dept of Agriculture         Direct         10.203         N120HFPXXXXG056         USDA - AGRICULTURE U.S. DEPT.         224,841           US Dept of Agriculture         Direct         10.203         N120HFPXXXXG056							-
US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG0556         USDA - AGRICULTURE U.S. DEPT.         25,000           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG0556         USDA - AGRICULTURE U.S. DEPT.         29,319           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG0556         USDA - AGRICULTURE U.S. DEPT.         31,140           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG0556         USDA - AGRICULTURE U.S. DEPT.         36,320           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG0556         USDA - AGRICULTURE U.S. DEPT.         36,320           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG0556         USDA - AGRICULTURE U.S. DEPT.         44,282           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         214,841           US Dept of Agriculture         Direct         10.203         N120HFPXXXXG056         USDA - AGRICULTURE U.S. DEPT.         236,334           US Dept of Agriculture         Direct         10.203         N120HFPXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,207           US Dept of Agriculture         Direct         10.203         N120HFPXXXXG056							-
US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         29.319           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         31,140           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         36,220           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         36,320           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         39,431           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         214,841           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         226,334           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,207           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,207           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056							-
US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         31,140           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         36,203           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         36,203           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         44,282           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         24,841           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         224,834           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         235,514           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         335,0514           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,207           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056							-
US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         39,431           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         44,282           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         214,841           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         226,334           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         226,334           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         350,514           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,207           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,207           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         429,752           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056 <td>US Dept of Agriculture</td> <td>Direct</td> <td></td> <td></td> <td></td> <td>31,140</td> <td>-</td>	US Dept of Agriculture	Direct				31,140	-
US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         44,282           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         214,841           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         224,841           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         350,514           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         350,514           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         350,514           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         350,514           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         382,702           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         429,752           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>							-
US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         224,841           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         226,334           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         336,314           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,207           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,207           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         362,372           US Dept of Agriculture         Direct         10.203         N120HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         362,772           US Dept of Agriculture         Direct         10.203         N120HFPXXXXG056         USDA - AGRICULTURE U.S. DEPT.         362,772           US Dept of Agriculture         Direct         10.203         N120HFPXXXXG056         USDA - AGRICULTURE U.S. DEPT.         362,772							-
US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         226,334           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         330,514           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,207           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,207           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,207           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,207           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         362,771							-
US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         350,514           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,272           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,272           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         429,752           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         620,771							
US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         383,207           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         429,752           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         429,752           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         620,771							-
US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         429,752           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         620,771							-
	US Dept of Agriculture						-
US Dept of Agriculture Direct 10.203 N120HFPXXXXXG056 USDA - AGRICULTURE U.S. DEPT. 860,255							-
							-
US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         993,931           US Dept of Agriculture         Direct         10.203         NI20HFPXXXXXG056         USDA - AGRICULTURE U.S. DEPT.         10,034,550							-
US Dept of Agriculture Difect 10.205 NIZUMPXAXXA056 USDA - AGRICULTURE 0.5. DEPT. 1,043,567							-
US Dept of Agriculture Direct 10.203 NI2DHTPXXXXG056 USDA AGRICULTURE U.S.DEPT. 37,123							

# Schedule of Expenditures of Federal Awards

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					Year Ended Jun	,
For device A second	Direct/	CFDA		6	Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
RESEARCH AND DEVELOPMENT CLUSTER (C						
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043 NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	\$ (8,880)	\$-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.203 10.203	NI20HMFPXXXXG043 NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT. USDA - AGRICULTURE U.S. DEPT.	(1,181) 6	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	1,833	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	1,920	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	2,187	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.203 10.203	NI20HMFPXXXXG043 NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT. USDA - AGRICULTURE U.S. DEPT.	3,002 4,704	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	4,858	
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	6,615	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	8,100	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	8,786	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	10,096	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.203 10.203	NI20HMFPXXXXG043 NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT. USDA - AGRICULTURE U.S. DEPT.	10,125 11,092	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	12,308	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	12,418	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	13,077	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	14,833	-
US Dept of Agriculture US Dept of Agriculture	Direct	10.203 10.203	NI20HMFPXXXXG043 NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT. USDA - AGRICULTURE U.S. DEPT.	16,517 16,813	-
US Dept of Agriculture	Direct Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	17,167	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	18,556	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	18,956	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	20,971	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	21,081	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043 NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	22,419	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.203 10.203	NI20HMFPXXXXG043 NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT. USDA - AGRICULTURE U.S. DEPT.	26,194 30,094	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	32,198	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	34,549	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	47,720	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	61,091	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	101,454	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.203 10.203	NI20HMFPXXXXG043 NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT. USDA - AGRICULTURE U.S. DEPT.	132,144 281,804	
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	11,261	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	14,832	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	16,221	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	17,175	-
US Dept of Agriculture	Direct	10.203	NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT.	19,701	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.203 10.203	NI20HMFPXXXXG043 NI20HMFPXXXXG043	USDA - AGRICULTURE U.S. DEPT. USDA - AGRICULTURE U.S. DEPT.	20,525 23,828	-
US Dept of Agriculture	Direct	10.203	NI20HMFFXXXXG043	USDA - AGRICULTURE U.S. DEPT.	2,629	-
US Dept of Agriculture	Direct	10.207	NI20AHDRXXXXG032	USDA - AGRICULTURE U.S. DEPT.	2,949	-
US Dept of Agriculture	Direct	10.207	NI20AHDRXXXXG032	USDA - AGRICULTURE U.S. DEPT.	5,398	-
US Dept of Agriculture	Direct	10.207	NI20AHDRXXXXG032	USDA - AGRICULTURE U.S. DEPT.	6,245	-
US Dept of Agriculture	Direct	10.207	NI20AHDRXXXXG032	USDA - AGRICULTURE U.S. DEPT.	14,584	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.207 10.219	NI20AHDRXXXXG032 2013-33522-21090	USDA - AGRICULTURE U.S. DEPT. NATIONAL INST OF FOOD AND AGRICULTURE	145,865 (7)	-
US Dept of Agriculture	Direct	10.219	2018-33522-28736	US DEPT OF AGRICULTURE	74,384	-
US Dept of Agriculture	Direct	10.250	59-6000-6-0067	US DEPT OF AGRICULTURE	7,709	-
US Dept of Agriculture	Direct	10.303	2014-51150-22095	NATIONAL INST OF FOOD AND AGRICULTURE	(2,500)	-
US Dept of Agriculture	Direct	10.303	2015-51150-23876	NATIONAL INST OF FOOD AND AGRICULTURE	(2,852)	-
US Dept of Agriculture	Direct Direct	10.303 10.303	2016-51150-25528 2017-51150-27128	NATIONAL INST OF FOOD AND AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	1,086 109,234	- 40,657
US Dept of Agriculture US Dept of Agriculture	Direct	10.303	2017-51150-27128 2018-51106-28776	US DEPT OF AGRICULTURE	218,963	24,779
US Dept of Agriculture	Direct	10.303	2018-51106-28779	US DEPT OF AGRICULTURE	202,229	
US Dept of Agriculture	Direct	10.303	2018-51150-28698	NATIONAL INST OF FOOD AND AGRICULTURE	196,045	102,534
US Dept of Agriculture	Direct	10.303	2019-51150-29984	NATIONAL INST OF FOOD AND AGRICULTURE	81,724	59,508
US Dept of Agriculture	Direct Direct	10.304	2016-37620-25765	NATIONAL INST OF FOOD AND AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	555,578	459,796
US Dept of Agriculture US Dept of Agriculture	Direct	10.307 10.307	2016-51300-25732 2016-51300-25732	NATIONAL INST OF FOOD AND AGRICULTURE	2,439	-
US Dept of Agriculture	Direct	10.307	2016-51300-25732	NATIONAL INST OF FOOD AND AGRICULTURE	178,574	69,722
US Dept of Agriculture	Direct	10.309	2014-51181-22378	NATIONAL INST OF FOOD AND AGRICULTURE	1,686,934	1,177,702
US Dept of Agriculture	Direct	10.309	2014-51181-22380	NATIONAL INST OF FOOD AND AGRICULTURE	164,531	133,947
US Dept of Agriculture	Direct	10.309	2015-51181-24285	US DEPT OF AGRICULTURE	25,884	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.309 10.309	2015-51181-24285 2016-51181-25411	US DEPT OF AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	1,368,816 324,051	1,262,078 113,066
US Dept of Agriculture	Direct	10.309	2017-51181-26828	NATIONAL INST OF FOOD AND AGRICULTURE	4,599	-
US Dept of Agriculture	Direct	10.309	2017-51181-26828	NATIONAL INST OF FOOD AND AGRICULTURE	16,367	-
US Dept of Agriculture	Direct	10.309	2017-51181-26828	NATIONAL INST OF FOOD AND AGRICULTURE	57,489	-
US Dept of Agriculture	Direct	10.309	2017-51181-26828	NATIONAL INST OF FOOD AND AGRICULTURE	608,838	324,943
US Dept of Agriculture	Direct	10.309	2018-51181-28377	NATIONAL INST OF FOOD AND AGRICULTURE	(58)	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.309 10.309	2019-51181-30017 2019-51181-30017	NATIONAL INST OF FOOD AND AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	52,086 95,991	-
US Dept of Agriculture	Direct	10.309	2013-67015-20962	NATIONAL INST OF FOOD AND AGRICULTURE	2,907	-
US Dept of Agriculture	Direct	10.310	2013-68004-20371	NATIONAL INST OF FOOD AND AGRICULTURE	(2,757)	-
US Dept of Agriculture	Direct	10.310	2013-68004-20439	NATIONAL INST OF FOOD AND AGRICULTURE	(936)	-
US Dept of Agriculture	Direct	10.310	2014-67009-22310	US DEPT OF AGRICULTURE	26,982	23,406
US Dept of Agriculture	Direct	10.310	2014-67015-21619	NATIONAL INST OF FOOD AND AGRICULTURE	(10)	-
US Dept of Agriculture	Direct Direct	10.310 10.310	2014-67015-21632 2014-67015-21708	US DEPT OF AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	63,277 185	-
US Dept of Agriculture US Dept of Agriculture	Direct	10.310	2014-67015-21708	NATIONAL INST OF FOOD AND AGRICULTURE	(1,394)	-
US Dept of Agriculture	Direct	10.310	2014-67013-21832	US DEPT OF AGRICULTURE	61,679	-
US Dept of Agriculture	Direct	10.310	2014-68004-21952	NATIONAL INST OF FOOD AND AGRICULTURE	(8,293)	-
US Dept of Agriculture	Direct	10.310	2014-68004-21972	US DEPT OF AGRICULTURE	202,521	-
US Dept of Agriculture	Direct	10.310	2014-68006-21828	NATIONAL INST OF FOOD AND AGRICULTURE	4,032	-
US Dept of Agriculture	Direct	10.310	2014-68006-21863	NATIONAL INST OF FOOD AND AGRICULTURE	32,747	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.310 10.310	2014-68006-21870 2015-67013-22932	NATIONAL INST OF FOOD AND AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	5,281 (629)	-
US Dept of Agriculture	Direct	10.310	2015-67019-23007	US DEPT OF AGRICULTURE	137,047	80,959
US Dept of Agriculture US Dept of Agriculture	Direct	10.310 10.310	2015-68001-23239 2015-68003-23415	US DEPT OF AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	1,225,770 779,651	740,266 392,159

				Year Ended June 30, 2020		
Federal Agency	Direct/ Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
RESEARCH AND DEVELOPMENT CLUSTER (C						
US Dept of Agriculture	Direct	10.310	2015-68007-23133	NATIONAL INST OF FOOD AND AGRICULTURE	\$ 624,527	\$ 189,481
US Dept of Agriculture	Direct	10.310	2016-67015-24891	US DEPT OF AGRICULTURE	52,297	25,402
US Dept of Agriculture	Direct	10.310	2016-67015-24898	NATIONAL INST OF FOOD AND AGRICULTURE	13,879	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.310 10.310	2016-67015-28200 2016-67017-24514	US DEPT OF AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	50,012 16,183	19,801
US Dept of Agriculture	Direct	10.310	2016-68004-24931	NATIONAL INST OF FOOD AND AGRICULTURE	(141)	_
US Dept of Agriculture	Direct	10.310	2016-68004-24931	NATIONAL INST OF FOOD AND AGRICULTURE	831,754	351,302
US Dept of Agriculture	Direct	10.310	2016-68006-24852	NATIONAL INST OF FOOD AND AGRICULTURE	28,965	-
US Dept of Agriculture	Direct	10.310	2017-67007-25947	US DEPT OF AGRICULTURE	75,946	-
US Dept of Agriculture US Dept of Agriculture	Direct	10.310 10.310	2017-67007-26176 2017-67011-26042	NATIONAL INST OF FOOD AND AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	420,547 2,783	124,104
US Dept of Agriculture	Direct	10.310	2017-67011-26073	NATIONAL INST OF FOOD AND AGRICULTURE	(356)	-
US Dept of Agriculture	Direct	10.310	2017-67011-26074	NATIONAL INST OF FOOD AND AGRICULTURE	22,602	-
US Dept of Agriculture	Direct	10.310	2017-67013-26257	AGRICULTURE AND FOOD RESEARCH INITIATIVE	162,398	-
US Dept of Agriculture	Direct	10.310	2017-67015-26084	NATIONAL INST OF FOOD AND AGRICULTURE	153,119	-
US Dept of Agriculture	Direct	10.310	2017-67015-26673	NATIONAL INST OF FOOD AND AGRICULTURE	119,434	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.310 10.310	2017-67015-26806 2017-67017-26168	NATIONAL INST OF FOOD AND AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	123,915 148,118	-
US Dept of Agriculture	Direct	10.310	2017-67017-26528	NATIONAL INST OF FOOD AND AGRICULTURE	97,311	_
US Dept of Agriculture	Direct	10.310	2017-67023-26271	NATIONAL INST OF FOOD AND AGRICULTURE	107,779	-
US Dept of Agriculture	Direct	10.310	2017-67023-26395	NATIONAL INST OF FOOD AND AGRICULTURE	200,991	14,757
US Dept of Agriculture	Direct	10.310	2017-68004-26323	NATIONAL INST OF FOOD AND AGRICULTURE	167,791	50,170
US Dept of Agriculture	Direct	10.310	2018-67003-27406	NATIONAL INST OF FOOD AND AGRICULTURE	558,950	82,006
US Dept of Agriculture	Direct	10.310	2018-67013-27404	NATIONAL INST OF FOOD AND AGRICULTURE	107,311	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.310 10.310	2018-67013-27424 2018-67013-27457	NATIONAL INST OF FOOD AND AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	283,886 42,388	-
US Dept of Agriculture	Direct	10.310	2018-67013-27592	NATIONAL INST OF FOOD AND AGRICULTURE	42,588 80,148	-
US Dept of Agriculture	Direct	10.310	2018-67013-28065	US DEPT OF AGRICULTURE	138,935	-
US Dept of Agriculture	Direct	10.310	20186701528242	NATIONAL INST OF FOOD AND AGRICULTURE	45,483	-
US Dept of Agriculture	Direct	10.310	2018-67015-28288	US DEPT OF AGRICULTURE	113,019	-
US Dept of Agriculture	Direct	10.310	2018-67015-28302	US DEPT OF AGRICULTURE	31,425	-
US Dept of Agriculture	Direct	10.310 10.310	2018-67017-27876 2018-67017-28359	NATIONAL INST OF FOOD AND AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	67,655 98,541	-
US Dept of Agriculture US Dept of Agriculture	Direct	10.310	2018-67021-27967	NATIONAL INST OF FOOD AND AGRICULTURE	29,309	-
US Dept of Agriculture	Direct	10.310	2018-67021-27967	NATIONAL INST OF FOOD AND AGRICULTURE	68,094	-
US Dept of Agriculture	Direct	10.310	2018-68003-28151	NATIONAL INST OF FOOD AND AGRICULTURE	108,971	82,829
US Dept of Agriculture	Direct	10.310	2018-68008-27887	US DEPT OF AGRICULTURE	128,364	40,769
US Dept of Agriculture	Direct	10.310	2019-67012-29524	US DEPT OF AGRICULTURE	61,990	-
US Dept of Agriculture	Direct	10.310	2019-67012-29536	NATIONAL INST OF FOOD AND AGRICULTURE	25,918	-
US Dept of Agriculture US Dept of Agriculture	Direct	10.310 10.310	2019-67013-29015 2019-67013-29203	NATIONAL INST OF FOOD AND AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	108,428 701	27,961
US Dept of Agriculture	Direct	10.310	2019-67013-29203	NATIONAL INST OF FOOD AND AGRICULTURE	18,382	-
US Dept of Agriculture	Direct	10.310	2019-67013-29203	NATIONAL INST OF FOOD AND AGRICULTURE	119,703	-
US Dept of Agriculture	Direct	10.310	2019-67015-29443	NATIONAL INST OF FOOD AND AGRICULTURE	117,676	-
US Dept of Agriculture	Direct	10.310	2019-67015-29483	NATIONAL INST OF FOOD AND AGRICULTURE	104,389	-
US Dept of Agriculture	Direct	10.310	2019-67017-29112	NATIONAL INST OF FOOD AND AGRICULTURE	86,147	-
US Dept of Agriculture	Direct	10.310	2019-67019-29305	US DEPT OF AGRICULTURE	23,912	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.310 10.310	2019-67019-29305 2019-67019-29361	US DEPT OF AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	97,135 63,315	13,045
US Dept of Agriculture	Direct	10.310	2019-68010-29281	NATIONAL INST OF FOOD & AGRICULTURE	21,353	-
US Dept of Agriculture	Direct	10.310	2020-67017-30788	NATIONAL INST OF FOOD & AGRICULTURE	40,071	-
US Dept of Agriculture	Direct	10.310	2020-67017-30838	NATIONAL INST OF FOOD & AGRICULTURE	3,788	-
US Dept of Agriculture	Direct	10.310	2020-67019-31147	NATIONAL INST OF FOOD & AGRICULTURE	20,586	-
US Dept of Agriculture	Direct	10.310 10.310	2020-67023-30958 2109-67015-29323	NATIONAL INST OF FOOD & AGRICULTURE AGRICULTURE AND FOOD RESEARCH INITIATIVE	4,746	-
US Dept of Agriculture US Dept of Agriculture	Direct	10.310	2018-70006-28883	NATIONAL INST OF FOOD & AGRICULTURE	141,493 800	-
US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD AND AGRICULTURE	12,867	-
US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD AND AGRICULTURE	24,042	-
US Dept of Agriculture	Direct	10.329	2018-70006-28917	NATIONAL INST OF FOOD AND AGRICULTURE	55,770	-
US Dept of Agriculture	Direct	10.330	2018-70005-28738	NATIONAL INST OF FOOD AND AGRICULTURE	83,947	34,992
US Dept of Agriculture	Direct	10.500	2013-48765-21544	US DEPT OF AGRICULTURE	(489)	-
US Dept of Agriculture	Direct	10.613	FE-CR-16-005	US DEPT OF AGRICULTURE USDA FOREST SERVICE	30,334	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.652 10.674	16-JV-11242306-101 15-CA-11420004-084	USDA FOREST SERVICE USDA FOREST SERVICE	46,224 44,923	
US Dept of Agriculture	Direct	10.674	18-DG-11420004-220	USDA FOREST SERVICE	84,613	-
US Dept of Agriculture	Direct	10.678	15-CS-11083601-002	USDA FOREST SERVICE	8,014	-
US Dept of Agriculture	Direct	10.678	15-CS-11083601-002	USDA FOREST SERVICE	124,305	
US Dept of Agriculture	Direct	10.678	15-JV-11242303-067	USDA FOREST SERVICE	889	
US Dept of Agriculture	Direct	10.680	14-CA-11420004-201	USDA FOREST SERVICE USDA FOREST SERVICE	1,483	
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.680 10.680	16-CA-11420004-072 17-CA-11420004-298	USDA FOREST SERVICE USDA FOREST SERVICE	32,317 5,882	-
US Dept of Agriculture	Direct	10.680	17-CA-11420004-298 17-CA-11420004-315	USDA FOREST SERVICE	278,645	
US Dept of Agriculture	Direct	10.680	18-CA-11420004-072	USDA FOREST SERVICE	53,273	-
US Dept of Agriculture	Direct	10.680	18-CA-11420004-167	USDA FOREST SERVICE	8,241	-
US Dept of Agriculture	Direct	10.680	19-DG-11420000-296	USDA FOREST SERVICE	981	-
US Dept of Agriculture	Direct	10.699	17-JV-11242306-042	USDA FOREST SERVICE	51,856	-
US Dept of Agriculture	Direct	10.699	18-CR-11242303-074	USDA FOREST SERVICE	18,769	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.707 10.777	19-CR-11242303-037 FX18BF-10777R032	USDA FOREST SERVICE FOREIGN AGRICULTURAL SERVICE	6,060 16,737	-
US Dept of Agriculture	Direct	10.902	68-5D21-18-009	NATURAL RESOURCES CONSERVATION SERVICE	46,607	-
US Dept of Agriculture	Direct	10.902	NR193A750025C014	USDA-NATURAL RESOURCES CONSERVATION SERVICE	12,795	
US Dept of Agriculture	Direct	10.912	NR185D21XXXXG001	USDA-NATURAL RESOURCES CONSERVATION SERVICE	2,873	
US Dept of Agriculture	Direct	10.960	FX17TA-10960R003	FOREIGN AGRICULTURAL SERVICE	18,689	
US Dept of Agriculture	Direct	10.960	FX18TA-10960R023	US DEPT OF AGRICULTURE	66,125	-
US Dept of Agriculture	Direct Direct Total	10.961	FX19SR-10961R002	FOREIGN AGRICULTURAL SERVICE	14,386 27,533,988	6 440 000
US Dept of Agriculture	Pass-through	10.RD	18-09-MSU	CHRISTMAS TREE PROMOTION BOARD	27,533,988 7,999	6,440,986
US Dept of Agriculture	Pass-through	10.RD	454727	PROJECT APIS M	3,875	-
US Dept of Agriculture	Pass-through	10.RD	19-03-MSU	CHRISTMAS TREE PROMOTION BOARD	4,929	-
US Dept of Agriculture	Pass-through	10.RD	3-20-19 CTPB	CHRISTMAS TREE PROMOTION BOARD	13,031	-
US Dept of Agriculture	Pass-through	10.RD	Contract #20-60	POTATOES USA	49,276	
US Dept of Agriculture	Pass-through	10.RD	Contract #20-60	POTATOES USA	150,746	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.RD 10.RD	E17-87 E18-11	US ENDOWMENT FOR FORESTRY AND COMMUNITIES INC US ENDOWMENT FOR FORESTRY AND COMMUNITIES INC	14,959 33,258	-

	Direct/	CFDA			Total	Cuba
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Subaward Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTI	NUED)					
US Dept of Agriculture	Pass-through	10.001	0254-ARS17-MSU	RUTGERS UNIV	\$ 14,719	\$-
US Dept of Agriculture	Pass-through	10.001	25-6235-0275-003	UNIVERSITY OF NEBRASKA - LINCOLN	991	-
US Dept of Agriculture	Pass-through	10.025	180000001989	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	(6)	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.025 10.025	190000001578 190000002170	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	49,616 47,845	-
US Dept of Agriculture	Pass-through	10.025	19000002518	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	14,190	-
US Dept of Agriculture	Pass-through	10.025	GG 19000002171	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	33,076	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.025 10.025	GG 20000001706 GG 200000002298	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	24,203 7,453	-
US Dept of Agriculture	Pass-through	10.025	FISH212020-3	MICHIGAN DEPT OF NATURAL RESOURCES	6,429	-
US Dept of Agriculture	Pass-through	10.170	00346324	HOP GROWERS OF MICHIGAN	4,441	-
US Dept of Agriculture	Pass-through	10.170	00416462	MICHIGAN POTATO INDUSTRY COMMISSION	27,914	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.170 10.170	17-05 18-0001-063-SC	WISCONSIN DEPT OF AGRICULTURE TRADE AND CONSUMER PROTECTION AGRICULTURAL RESEARCH SERVICE	22,698 23,349	-
US Dept of Agriculture	Pass-through	10.170	18-05	GINSENG BOARD OF WISCONSIN	97,892	-
US Dept of Agriculture	Pass-through	10.170	1944-205-2011936	CLEMSON UNIV	43,979	-
US Dept of Agriculture	Pass-through	10.170	1944-205-2011936	CLEMSON UNIV	54,171	-
US Dept of Agriculture	Pass-through	10.170 10.170	2000000256 2000000257	MICHIGAN BLUEBERRY COMMISSION MICHIGAN CARROT COMMITTEE	26,510	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.170	2000000285	MICHIGAN CARROT COMMITTEE MICHIGAN ONION COMMITTEE	20,778 6,821	-
US Dept of Agriculture	Pass-through	10.170	2000000307	MICHIGAN TREE FRUIT COMMISSION	23,556	-
US Dept of Agriculture	Pass-through	10.170	2019CPS10	CENTER FOR PRODUCE SAFETY	97,430	43,443
US Dept of Agriculture	Pass-through	10.170	791AgDSC1810	MICHIGAN CHERRY COMMITTEE	34,067	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.170 10.170	838K935 asparagus management	UNIVERSITY OF WISCONSIN MADISON MICHIGAN ASPARAGUS RESEARCH COMMITTEE	38,347 7,644	-
US Dept of Agriculture	Pass-through	10.170	CRI-19000000312	CELERY RESEARCH INC	62,588	-
US Dept of Agriculture	Pass-through	10.170	fungicide sensitivity	MICHIGAN CARROT COMMITTEE	6,186	-
US Dept of Agriculture	Pass-through	10.170	GG 19000000323	MICHIGAN VEGETABLE COUNCIL	44,752	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.170 10.170	IP00353161 IP00353839	MICHIGAN CARROT COMMITTEE MICHIGAN ASPARAGUS ADVISORY BOARD	24,101 26,001	-
US Dept of Agriculture	Pass-through	10.170	IP00353839 IP00353839	MICHIGAN ASPARAGUS ADVISORT BOARD MICHIGAN ASPARAGUS RESEARCH COMMITTEE	28,903	-
US Dept of Agriculture	Pass-through	10.170	MDARD 791AgDSC1811	MICHIGAN CHRISTMAS TREE ASSOC	37,060	-
US Dept of Agriculture	Pass-through	10.170	MDARD 791AgDSC1815	MICHIGAN VEGETABLE COUNCIL	(13,250)	-
US Dept of Agriculture	Pass-through	10.170	MDARD GG 19000000308	MICHIGAN BLUEBERRY COMMISSION	52,950	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.170 10.170	MDARD GG 19000000309 MDARD GG 19000000321	MICHIGAN CARROT COMMITTEE MICHIGAN STATE HORTICULTURAL SOCIETY	34,169 27,324	-
US Dept of Agriculture	Pass-through	10.170	MDARD GG 19000000321 MDARD GG 19000000324	MICHIGAN VEGETABLE COUNCIL	55,907	
US Dept of Agriculture	Pass-through	10.170	MDARD GG1900000322	MICHIGAN TREE FRUIT COMMISSION	14,717	-
US Dept of Agriculture	Pass-through	10.170	MTFC 791AgDSC1814	MICHIGAN TREE FRUIT COMMISSION	22,495	-
US Dept of Agriculture	Pass-through	10.170	200000316	MIDWEST NUT PRODUCERS COUNCIL	1,444	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.200 10.212	016253B 2019-33610-29753	IOWA STATE UNIV APPLICATION INSIGHT LLC	53,090 29,873	-
US Dept of Agriculture	Pass-through	10.212	F9000137602007	PURDUE UNIV	11,738	-
US Dept of Agriculture	Pass-through	10.215	H004991236	UNIVERSITY OF MINNESOTA	(1,790)	-
US Dept of Agriculture	Pass-through	10.215	H005722943	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	534	-
US Dept of Agriculture	Pass-through	10.215 10.215	H005722948	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	3,203	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.215	H005722952 H006607414	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	9,119 72,967	-
US Dept of Agriculture	Pass-through	10.215	H006607435	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	8,536	-
US Dept of Agriculture	Pass-through	10.215	H006607437	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	66,986	-
US Dept of Agriculture	Pass-through	10.215	H007179306	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	90,511	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.215 10.215	H007179349 H007179357	UNIVERSITY OF MINNESOTA NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	419 1,606	-
US Dept of Agriculture	Pass-through	10.215	H007179359	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	3,103	-
US Dept of Agriculture	Pass-through	10.227	MSU2018	KEWEENAW BAY OJIBWA COMMUNITY COLLEGE	15,768	-
US Dept of Agriculture	Pass-through	10.250	0005238/01222019	UNIVERSITY OF RHODE ISLAND	8,947	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.290 10.303	H006796003 60049684	UNIVERSITY OF MINNESOTA OHIO STATE UNIV	348 216	-
US Dept of Agriculture	Pass-through	10.303	60049684	OHIO STATE UNIV	13,845	-
US Dept of Agriculture	Pass-through	10.303	CAES-2018-22866-2	STATE OF CONNECTICUT	34,839	-
US Dept of Agriculture	Pass-through	10.303	SUB00002182	UNIVERSITY OF GEORGIA	15,811	-
US Dept of Agriculture	Pass-through	10.303	SUBK00011432	UNIVERSITY OF MICHIGAN	547	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.307 10.307	59-5050-9-001 59-5050-9-001	AGRICULTURAL RESEARCH SERVICE USDA - AGRI RESEARCH SERV US D	9,501 129,083	-
US Dept of Agriculture	Pass-through	10.307	73676-10347	CORNELL UNIV	6,727	-
US Dept of Agriculture	Pass-through	10.307	SUB00000865	UNIVERSITY OF GEORGIA	1,437	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.307 10.307	SUB00001844 UMS-1196	UNIVERSITY OF GEORGIA UNIVERSITY OF MAINE	121,292 9,537	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.307 10.307	UMS-1196 UMS-1196	UNIVERSITY OF MAINE UNIVERSITY OF MAINE	9,537 148,514	-
US Dept of Agriculture	Pass-through	10.309	000000363	UNIVERSITY OF WISCONSIN MADISON	58,595	-
US Dept of Agriculture	Pass-through	10.309	000000363	UNIVERSITY OF WISCONSIN MADISON	63,253	-
US Dept of Agriculture	Pass-through	10.309	0799-PP2018-Smitley	RUTGERS UNIV	85,057	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.309 10.309	133336-G003922 1762-207-2020386	WASHINGTON STATE UNIV CLEMSON UNIV	250,849 644	-
US Dept of Agriculture	Pass-through	10.309	1762-207-2020386	CLEMSON UNIV	4,163	-
US Dept of Agriculture	Pass-through	10.309	1762-207-2020386	CLEMSON UNIV	60,084	-
US Dept of Agriculture	Pass-through	10.309	2017-0398-06	NORTH CAROLINA STATE UNIV	119,986	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.309 10.309	2020-0042-05 215-0228-11	NORTH CAROLINA STATE UNIV NORTH CAROLINA STATE UNIV	5,311 3,211	-
US Dept of Agriculture	Pass-through	10.309	73999-10421	CORNELL UNIV	(161)	-
US Dept of Agriculture	Pass-through	10.309	79611-10750	CORNELL UNIV	(1,890)	-
US Dept of Agriculture	Pass-through	10.309	8000076815-AG	PURDUE UNIV	55,944	-
US Dept of Agriculture	Pass-through	10.309	G-01363-05	COLORADO STATE UNIV	59,493	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.309 10.309	H007082502 SUB00000423	UNIVERSITY OF MINNESOTA UNIVERSITY OF GEORGIA	117,786 4,249	-
US Dept of Agriculture	Pass-through Pass-through	10.309	07-M1702000	TEXAS AANDM UNIV	4,249 (781)	-
US Dept of Agriculture	Pass-through	10.310	132484-G003899	WASHINGTON STATE UNIV	7,978	-
US Dept of Agriculture	Pass-through	10.310	1556077	UNIVERSITY OF COLORADO BOULDER	90,223	-
US Dept of Agriculture	Pass-through	10.310	1556077	UNIVERSITY OF COLORADO BOULDER	159,975	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.310 10.310	201603566-06 2018-7-57817	UNIVERSITY OF CALIFORNIA DAVIS CAL POLY CORP	54,759 (3)	-
US Dept of Agriculture	Pass-through	10.310	3TB462	SOUTH DAKOTA STATE UNIV	4,310	-
US Dept of Agriculture	Pass-through	10.310	3TC453	SOUTH DAKOTA STATE UNIV	59,455	-
US Dept of Agriculture	Pass-through	10.310	416-41-87B	IOWA STATE UNIV	112,614	-

					Year Ended Jun	e 30, 2020
	Direct/	CFDA			Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
RESEARCH AND DEVELOPMENT CLUSTER (COI						
US Dept of Agriculture	Pass-through	10.310	59-2080-8-001	AGRICULTURAL RESEARCH SERVICE	\$ 17,206	\$-
US Dept of Agriculture	Pass-through	10.310	60066382	OHIO STATE UNIV	33,555	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.310 10.310	818004 C00050735-1	KANSAS STATE UNIV UNIVERSITY OF MISSOURI	58,775 36,169	-
US Dept of Agriculture	Pass-through	10.310	F9002711902030	PURDUE UNIV	24,117	-
US Dept of Agriculture	Pass-through	10.310	G211-18-W7150	MONTANA STATE UNIV	69,462	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.310 10.310	M1903129 SUB00001909	TEXAS AANDM UNIV UNIVERSITY OF FLORIDA	69,985 30,736	-
US Dept of Agriculture	Pass-through	10.329	128995_G003680	WASHINGTON STATE UNIV	55,375	-
US Dept of Agriculture	Pass-through	10.329	2019-70006-30447	OHIO STATE UNIV	388	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.329 10.330	850K146 780K651	UNIVERSITY OF WISCONSIN MADISON UNIVERSITY OF WISCONSIN MADISON	12,611 21,391	-
US Dept of Agriculture	Pass-through	10.330	00424035	DAIRY GRAZING APPRENTICESHIP	13,263	-
US Dept of Agriculture	Pass-through	10.604	150204	US HIGHBUSH BLUEBERRY COUNCIL	163,340	-
US Dept of Agriculture	Pass-through	10.652	080500.330637.01	MISSISSIPPI STATE UNIV	8,262	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.680 10.903	Root Disease APP153122 8000083093-AG F9002687302012	WISCONSIN DEPT OF NATURAL RESOURCES PURDUE UNIV	2,466 149	-
US Dept of Agriculture	Pass-through	10.932	060915-1	THE NATURE CONSERVANCY	14,363	-
US Dept of Agriculture	Pass-through	10.960	0666	RUTGERS UNIV	9,145	-
US Dept of Agriculture	Pass-through Pass-through T	10.960	1260-LATAM-MSU	RUTGERS UNIV	4,344,877	43,443
	US Dept of Agri				31,878,865	6,484,429
US Dept of Commerce	Direct	11.303	ED16CHI3030037	US ECONOMIC DEVELOPMENT ADMINISTRATION US ECONOMIC DEVELOPMENT ADMINISTRATION	52,040	-
US Dept of Commerce US Dept of Commerce	Direct Direct	11.303 11.429	ED16CHI3030037 NA16NOS4290194	US ECONOMIC DEVELOPMENT ADMINISTRATION NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	114,518 25,579	-
US Dept of Commerce	Direct	11.431	NA170AR4310132	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	87,144	-
US Dept of Commerce	Direct	11.609	60NANB18D210	NATIONAL INST OF STANDARDS AND TECHNOLOGY	22,892	-
US Dept of Commerce	Direct	11.609	60NANB18D212	NATIONAL INST OF STANDARDS AND TECHNOLOGY NATIONAL INST OF STANDARDS AND TECHNOLOGY	59,088	-
US Dept of Commerce US Dept of Commerce	Direct	11.609 11.609	60NANB19D154 70NANB15H280	NATIONAL INST OF STANDARDS AND TECHNOLOGY NATIONAL INST OF STANDARDS AND TECHNOLOGY	43,599 96,192	
US Dept of Commerce	Direct	11.609	70NANB15H280 70NANB17H319	NATIONAL INST OF STANDARDS AND TECHNOLOGY NATIONAL INST OF STANDARDS AND TECHNOLOGY	96,192 19,741	-
	Direct Total				520,793	-
US Dept of Commerce	Pass-through	11.417	3004924854	UNIVERSITY OF MICHIGAN	17,918	-
US Dept of Commerce US Dept of Commerce	Pass-through Pass-through	11.417 11.417	3004924855 3004924855	UNIVERSITY OF MICHIGAN UNIVERSITY OF MICHIGAN	3,000 37,564	-
US Dept of Commerce	Pass-through	11.417	3004924855	UNIVERSITY OF MICHIGAN	791,168	-
US Dept of Commerce	Pass-through	11.417	D007941103	UNIVERSITY OF MINNESOTA TWIN CITIES	10,739	-
US Dept of Commerce	Pass-through	11.417	SUBK00011461	UNIVERSITY OF MICHIGAN	29	-
US Dept of Commerce	Pass-through	11.417 11.417	SUBK00011683	UNIVERSITY OF MICHIGAN	80,339	-
US Dept of Commerce US Dept of Commerce	Pass-through Pass-through	11.417	SUBK00012436 19-Chab-001	UNIVERSITY OF MICHIGAN MICHIGAN ENVIRONMENTAL COUNCIL	32,149 13,827	-
US Dept of Commerce	Pass-through	11.419	19-CHaz Assistantship-001	MICHIGAN DEPT OF NATURAL RESOURCES	1,791	-
US Dept of Commerce	Pass-through	11.419	19-Costal Marketing-001	MICHIGAN COASTAL MANAGEMENT PROGRAM	76,934	-
US Dept of Commerce US Dept of Commerce	Pass-through Pass-through	11.431 11.432	3003959776 SUBK00011320	UNIVERSITY OF MICHIGAN UNIVERSITY OF MICHIGAN	58,943 34,952	4,699
US Dept of Commerce	Pass-through	11.432	SUBK00011375	UNIVERSITY OF MICHIGAN	93,550	-
	Pass-through T	otal			1,252,903	4,699
	US Dept of Con	imerce i otai			1,773,696	4,699
US Dept of Defense	Direct	12.RD	2017-17020200004	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	(4,613)	-
US Dept of Defense	Direct	12.RD	2017-17020200004	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	200,128	-
US Dept of Defense US Dept of Defense	Direct Direct	12.RD 12.RD	2017-17020200004 2018-18012900001	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	1,180,946 50,699	387,910
US Dept of Defense	Direct	12.RD	FA8750-17-C-0182	AIR FORCE RESEARCH LABORATORY	23,802	-
US Dept of Defense	Direct	12.RD	FA9453-19-C-0066	AIR FORCE RESEARCH LABORATORY	105,771	-
US Dept of Defense	Direct	12.RD	N00173-19-P-1337	US NAVAL RESEARCH LABORATORY	54,651	-
US Dept of Defense US Dept of Defense	Direct Direct	12.RD 12.RD	N4175619C3038 W912HQ-17-C-0006	COMBATTING TERRORISM TECHNICAL SUPPORT OFFICE US ARMY CORPS OF ENGINEERS	186,255 9,942	40,300
US Dept of Defense	Direct	12.RD 12.010	W912DR-17-2-0001	US ARMY CORPS OF ENGINEERS	9,942	-
US Dept of Defense	Direct	12.300	FA8750-16-2-0284	AIR FORCE RESEARCH LABORATORY	1,043	-
US Dept of Defense	Direct	12.300	Hardship	OFFICE OF NAVAL RESEARCH	66,680	-
US Dept of Defense US Dept of Defense	Direct Direct	12.300 12.300	N00014-16-1-2457 N00014-16-1-2760	OFFICE OF NAVAL RESEARCH US DEPT OF THE NAVY	95,382 17,270	-
US Dept of Defense	Direct	12.300	N00014-16-1-2760 N00014-16-1-2841	OFFICE OF NAVAL RESEARCH	49,996	-
US Dept of Defense	Direct	12.300	N00014-16-1-3051	OFFICE OF NAVAL RESEARCH	37,975	-
US Dept of Defense	Direct	12.300	N00014-17-1-2102	OFFICE OF NAVAL RESEARCH	263,607	-
US Dept of Defense US Dept of Defense	Direct Direct	12.300 12.300	N00014-17-1-2265 N00014-17-1-2678	OFFICE OF NAVAL RESEARCH OFFICE OF NAVAL RESEARCH	198,591 181,201	-
US Dept of Defense	Direct	12.300	N00014-17-1-2678 N00014-17-1-2713	OFFICE OF NAVAL RESEARCH	118,243	-
US Dept of Defense	Direct	12.300	N00014-17-1-2886	OFFICE OF NAVAL RESEARCH	115,616	-
US Dept of Defense	Direct	12.300	N00014-18-1-2032	OFFICE OF NAVAL RESEARCH	684,284	449,364
US Dept of Defense US Dept of Defense	Direct	12.300 12.300	N00014-18-1-2230 N00014-18-1-2273	OFFICE OF NAVAL RESEARCH OFFICE OF NAVAL RESEARCH	(9) 172,634	-
US Dept of Defense	Direct	12.300	N00014-18-1-2273 N00014-18-1-2514	OFFICE OF NAVAL RESEARCH	172,634 106,678	-
US Dept of Defense	Direct	12.300	N00014-18-1-2597	OFFICE OF NAVAL RESEARCH	93,584	-
US Dept of Defense	Direct	12.300	N00014-18-1-2648	OFFICE OF NAVAL RESEARCH	9,969	-
US Dept of Defense US Dept of Defense	Direct Direct	12.300 12.300	N00014-19-1-2051 N00014-19-1-2535	OFFICE OF NAVAL RESEARCH OFFICE OF NAVAL RESEARCH	105,070 27,784	-
US Dept of Defense	Direct	12.300	N00014-19-1-2535 N00014-20-1-2005	OFFICE OF NAVAL RESEARCH	288,746	- 196,741
US Dept of Defense	Direct	12.300	N00014-20-1-2111	OFFICE OF NAVAL RESEARCH	58,620	-
US Dept of Defense	Direct	12.300	N00014-20-1-2681 N0014-19-1-2476	OFFICE OF NAVAL RESEARCH	2,348	-
				OFFICE OF NAVAL RESEARCH	27,202	-
US Dept of Defense	Direct	12.300		LIC ADMY CORDS OF ENGINEERS	04 722	
US Dept of Defense US Dept of Defense	Direct Direct	12.300	W9126G-18-2-0011	US ARMY CORPS OF ENGINEERS US DEPT OF THE ARMY	94,733 27.082	-
US Dept of Defense US Dept of Defense US Dept of Defense	Direct			US ARMY CORPS OF ENGINEERS US DEPT OF THE ARMY US DEPT OF THE ARMY	94,733 27,082 27,386	-
US Dept of Defense US Dept of Defense US Dept of Defense US Dept of Defense US Dept of Defense	Direct Direct Direct Direct Direct	12.300 12.420 12.420 12.420	W9126G-18-2-0011 W81XWH-15-1-0018 W81XWH-15-1-0453 W81XWH-16-1-0631	US DEPT OF THE ARMY US DEPT OF THE ARMY US DEPT OF DEFENSE	27,082 27,386 42,130	-
US Dept of Defense US Dept of Defense	Direct Direct Direct Direct Direct Direct	12.300 12.420 12.420 12.420 12.420	W9126G-18-2-0011 W81XWH-15-1-0018 W81XWH-15-1-0453 W81XWH-16-1-0631 W81XWH-16-1-0676	US DEPT OF THE ARMY US DEPT OF THE ARMY US DEPT OF DEFENSE US DEPT OF THE ARMY	27,082 27,386 42,130 18,122	-
US Dept of Defense US Dept of Defense	Direct Direct Direct Direct Direct Direct Direct	12.300 12.420 12.420 12.420 12.420 12.420 12.420	W9126G-18-2-0011 W81XWH-15-1-0018 W81XWH-15-1-0453 W81XWH-16-1-0631 W81XWH-16-10676 W81XWH-16-10732	US DEPT OF THE ARMY US DEPT OF THE ARMY US DEPT OF DEFENSE US DEPT OF THE ARMY US DEPT OF THE ARMY	27,082 27,386 42,130 18,122 59,824	-
US Dept of Defense US Dept of Defense	Direct Direct Direct Direct Direct Direct Direct Direct	12.300 12.420 12.420 12.420 12.420 12.420 12.420 12.420	W91266-18-2-0011 W81XWH-15-1-0018 W81XWH-15-1-0453 W81XWH-16-1-0631 W81XWH-16-1-0676 W81XWH-16-1-0732 W81XWH-16-1-0735	US DEPT OF THE ARMY US DEPT OF THE ARMY US DEPT OF DEFENSE US DEPT OF THE ARMY US DEPT OF THE ARMY US DEPT OF THE ARMY	27,082 27,386 42,130 18,122 59,824 267,090	
US Dept of Defense US Dept of Defense	Direct Direct Direct Direct Direct Direct Direct	12.300 12.420 12.420 12.420 12.420 12.420 12.420 12.420 12.420 12.420	W91266-18-2-0011 W81XWH-15-1-0018 W81XWH-16-1-0453 W81XWH-16-1-0676 W81XWH-16-1-0732 W81XWH-16-1-0733 W81XWH-16-1-0735 W81XWH-17-1-0270	US DEPT OF THE ARMY US DEPT OF THE ARMY US DEPT OF DEFENSE US DEPT OF THE ARMY US DEPT OF THE ARMY US DEPT OF THE ARMY US DEPT OF DEFENSE US DEPT OF DEFENSE US DEPT OF DEFENSE	27,082 27,386 42,130 18,122 59,824 267,090 270,534 440,033	- - - - - - - - - - - - - - - - - - -
US Dept of Defense US Dept of Defense	Direct Direct Direct Direct Direct Direct Direct Direct	12.300 12.420 12.420 12.420 12.420 12.420 12.420 12.420 12.420	W9126G-18-2-0011 W81XWH-15-1-0018 W81XWH-15-1-0453 W81XWH-16-1-0631 W81XWH-16-1-0676 W81XWH-16-1-0732 W81XWH-16-1-0735 W81XWH-17-1-0270	US DEPT OF THE ARMY US DEPT OF THE ARMY US DEPT OF DEFENSE US DEPT OF THE ARMY US DEPT OF THE ARMY US DEPT OF THE ARMY US DEPT OF DEFENSE	27,082 27,386 42,130 18,122 59,824 267,090 270,534	- - - - - - - - - - - - - - - - - - -

					Year Ended Ju	ne 30, 2020
Federal Agency	Direct/ Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTIN	NUED)					
US Dept of Defense	Direct	12.420	W81XWH1910771	US DEPT OF DEFENSE	\$ 134,437	\$-
US Dept of Defense	Direct	12.420	W81XWH2010147	US DEPT OF DEFENSE	38,304	-
US Dept of Defense	Direct	12.420	W81XWH2010174	US DEPT OF THE ARMY	17,749	-
JS Dept of Defense	Direct	12.431	W911NF-17-1-0153	US ARMY RESEARCH OFFICE	138,881	-
US Dept of Defense US Dept of Defense	Direct Direct	12.431 12.431	W911NF-18-1-0330 W911NF1910174	US ARMY RESEARCH OFFICE US ARMY RESEARCH OFFICE	142,624 134,174	-
JS Dept of Defense	Direct	12.431	W911NF1910174 W911NF1910444	US ARMY RESEARCH OFFICE	85,211	-
JS Dept of Defense	Direct	12.431	W911NF2010005	US ARMY RESEARCH OFFICE	13,727	-
US Dept of Defense	Direct	12.630	HM04761510001	US DEPT OF DEFENSE	8,736	-
US Dept of Defense	Direct	12.630	W911NF-14-1-0026	US ARMY RESEARCH INST FOR THE BEHAVIORAL AND SOCIAL SCIENCES	160,300	-
US Dept of Defense	Direct	12.630	W912HZ-17-2-0030	US DEPT OF THE ARMY	6,044	-
US Dept of Defense	Direct	12.630	W912HZ19-2-0021	US ARMY CORPS OF ENGINEERS	136,733	-
US Dept of Defense	Direct	12.800	FA8650-18-2-6880	AIR FORCE RESEARCH LABORATORY	352,364	-
US Dept of Defense	Direct	12.800	FA9550-17-1-0150	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	118,457	-
US Dept of Defense	Direct	12.800	FA9550-17-1-0394	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	554,958	-
US Dept of Defense	Direct	12.800	FA9550-17-1-0411	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	109,144	-
US Dept of Defense	Direct	12.800	FA9550-18-1-0061	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	133,763	-
US Dept of Defense	Direct	12.800	FA9550-18-1-0062	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	1,730,334	1,283,276
US Dept of Defense	Direct	12.800	FA9550-19-1-0281	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	36,955	-
JS Dept of Defense	Direct	12.901	H98230-19-1-0014	NATIONAL SECURITY AGENCY	(3,320)	-
JS Dept of Defense	Direct	12.901	H98230-19-1-0014	NATIONAL SECURITY AGENCY	64,703	-
JS Dept of Defense	Direct	12.901	H98230-20-1-0006	NATIONAL SECURITY AGENCY	7,598	-
JS Dept of Defense	Direct	12.901	H98230-20-1-0006	NATIONAL SECURITY AGENCY	18,153	-
JS Dept of Defense	Direct	12.910	W911NF2010018	US ARMY RESEARCH OFFICE	28,601	13,185
US Dept of Defense US Dept of Defense	Direct Direct	12.910 12.910	D16AP00117 FA8650-15-1-7525	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	153,020 15,689	-
JS Dept of Defense JS Dept of Defense	Direct	12.910	N66001-17-1-4045	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	15,689 68,494	-
US Dept of Defense US Dept of Defense	Direct	12.910	W31P4Q-20-1-0001	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	455,800	-
	Direct Total	12.010			11,212,722	2,554,979
US Dept of Defense	Pass-through	12.RD	101129	GUIDEDWAVE	13,654	_,
US Dept of Defense	Pass-through	12.RD	18-JV-11242306-048	USDA FOREST SERVICE	6,742	-
US Dept of Defense	Pass-through	12.RD	19-032	POLARIS SENSOR TECHNOLOGIES INC	8,975	-
US Dept of Defense	Pass-through	12.RD	19-JV-11242306-052	USDA FOREST SERVICE	32,829	-
US Dept of Defense	Pass-through	12.RD	201652-140858	NATIONAL CENTER FOR MANUFACTURING SCIENCE	3,667	-
JS Dept of Defense	Pass-through	12.RD	201845-140914	NATIONAL CENTER FOR MANUFACTURING SCIENCE	50,206	-
JS Dept of Defense	Pass-through	12.RD	201851-140919	NATIONAL CENTER FOR MANUFACTURING SCIENCE	165,424	-
JS Dept of Defense	Pass-through	12.RD	2019115-141031	NATIONAL CENTER FOR MANUFACTURING SCIENCE	118,515	-
JS Dept of Defense	Pass-through	12.RD	313-0875	DUKE UNIV	174,931	-
US Dept of Defense	Pass-through	12.RD	378589	UNIVERSITY OF CONNECTICUT	7,012	-
US Dept of Defense	Pass-through	12.RD	68171-Z9233203	UNIVERSITY OF MARYLAND	(894)	-
US Dept of Defense	Pass-through	12.RD	737911	BATTELLE COLUMBUS LABS	12,766	-
US Dept of Defense	Pass-through	12.RD	754K902	UNIVERSITY OF WISCONSIN MADISON	1,179	-
US Dept of Defense	Pass-through	12.RD	A17-0682-S002-A01	UNIVERSITY OF TENNESSEE	51,482	-
US Dept of Defense	Pass-through	12.RD	DRC.1250.00106.18	RIVERSIDE RESEARCH	(3)	-
US Dept of Defense	Pass-through	12.RD	DRC.1339	RIVERSIDE RESEARCH	121,546	-
US Dept of Defense	Pass-through	12.RD	DRC.1339	RIVERSIDE RESEARCH	158,632	-
US Dept of Defense	Pass-through	12.RD	FA8649-20-C-0015	THERMAL WAVE IMAGING	14,752	-
US Dept of Defense	Pass-through	12.RD	HR00111990036	LEAFLABS	71,054	-
US Dept of Defense	Pass-through	12.RD	M-715578	BATTELLE MEMORIAL INST UNIVERSITY OF MINNESOTA	132,986	-
US Dept of Defense US Dept of Defense	Pass-through Pass-through	12.RD 12.RD	P004957701 S904541BAH Project 09003-0728	BOOZ ALLEN HAMILTON INC	80,080 22,837	-
US Dept of Defense	Pass-through	12.RD 12.RD	SC18014	SOAR TECHNOLOGY INC	164,053	-
US Dept of Defense	Pass-through	12.RD	W31P4Q-17-C-0037-MSU	TECH X CORP	142,055	
JS Dept of Defense	Pass-through	12.RD	W911QX-18-C-0005	KYMA TECHNOLOGIES INC	145,838	76,190
JS Dept of Defense	Pass-through	12.116	7000295420	MASSACHUSETTS INST OF TECHNOLOGY	24,868	
JS Dept of Defense	Pass-through	12.116	FA9550-15-C-0012-MSU	METNA CO	4,034	-
JS Dept of Defense	Pass-through	12.225	201658-140851	NATIONAL CENTER FOR MANUFACTURING SCIENCE	135,471	-
JS Dept of Defense	Pass-through	12.300	14-2-1203547-94802	UNIVERSITY OF TULSA	143,555	-
JS Dept of Defense	Pass-through	12.300	R19831	RICE UNIV	86,763	-
US Dept of Defense	Pass-through	12.300	TUL-HSC-557991-19/20	THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND	3,971	-
JS Dept of Defense	Pass-through	12.420	0000990553	FRED HUTCHINSON CANCER RESEARCH CENTER	24,042	-
JS Dept of Defense	Pass-through	12.420	1(GG011705)	COLUMBIA UNIV	(692)	-
JS Dept of Defense	Pass-through	12.420	121910	BRIGHAM AND WOMENS HOSPITAL	9,997	-
JS Dept of Defense	Pass-through	12.420	4175	HENRY M JACKSON FOUNDATION FOR ADVANCEMENT OF MILITARY MEDICINE	13,555	-
JS Dept of Defense	Pass-through	12.420	GENFD0001735793	BOSTON CHILDRENS HOSPITAL	12,841	-
JS Dept of Defense	Pass-through	12.420	MSUW81XWH-18-1-0150	PENNSYLVANIA STATE UNIV	76,608	-
JS Dept of Defense	Pass-through	12.420	SUBK00008213	UNIVERSITY OF MICHIGAN	84,338	-
US Dept of Defense	Pass-through	12.420	UWSC8721	UNIVERSITY OF WASHINGTON	(4,158)	-
JS Dept of Defense	Pass-through	12.420	W81XWH-18-C-0157	BRAINSCOPE CO INC	6,206	-
JS Dept of Defense	Pass-through	12.420	W81XWH-18-C-0157	BRAINSCOPE CO INC	26,775	-
US Dept of Defense	Pass-through	12.431	00000834	BROWN UNIV	273,487	-
JS Dept of Defense	Pass-through	12.431	00001392	BROWN UNIV	146,187	-
US Dept of Defense	Pass-through	12.431	10034220-51	UNIVERSITY OF UTAH	172,410	-
JS Dept of Defense	Pass-through	12.431	SUB0000257 1000002744	PRINCETON UNIV	69,524	-
JS Dept of Defense JS Dept of Defense	Pass-through Pass-through	12.800 12.910	1000002744 1015 G UA497	UNIVERSITY OF TEXAS AT SAN ANTONIO UNIVERSITY OF CALIFORNIA LOS ANGELES	1,829 70,544	-
JS Dept of Defense JS Dept of Defense	Pass-through Pass-through	12.910	1015 G 0A497 126.001	SIEMENS CORP	110,584	-
JS Dept of Defense	Pass-through Pass-through	12.910	14-503	ARIZONA STATE UNIV	35,386	-
JS Dept of Defense	Pass-through	12.910	4201874310	RAYTHEON CO	374,798	-
so dept of Defense	Pass-through Te		-2010/4010		3,603,241	76,190
	US Dept of Defe				14,815,963	2,631,169
					_ ,,010,000	_,,
JS Dept of Education	Direct	84.015	P015A180155-Title VI	US DEPT OF EDUCATION	192,002	-
	Direct	84.015	P015B180155-FLAS	US DEPT OF EDUCATION	285,792	-
IS Dept of Education						
		84.200	P200A180025	US DEPT OF EDUCATION	50 577	-
US Dept of Education	Direct	84.200 84.200	P200A180025 P200A180025	US DEPT OF EDUCATION US DEPT OF EDUCATION	50,522 65,984	
US Dept of Education US Dept of Education US Dept of Education US Dept of Education		84.200 84.200 84.220	P200A180025 P200A180025 P220A180001	US DEPT OF EDUCATION US DEPT OF EDUCATION US DEPT OF EDUCATION	50,522 65,984 197,230	-

# Schedule of Expenditures of Federal Awards

Year	Ended	June	30,	2020

Federal Agency RESEARCH AND DEVELOPMENT CLUSTER (CC US Dept of Education US Dept of Education	Direct/ Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subaward Payments
US Dept of Education	() ()					
US Dept of Education						
US Dept of Education	Direct	84.305	R305A160049	US DEPT OF EDUCATION	\$ 352,698	\$-
	Direct	84.305	R305H190004	INST OF EDUCATION SCIENCES	414,365	65,846
US Dept of Education	Direct	84.324	R324A150063 - 18 R324A180122	US DEPT OF EDUCATION	125,861	-
US Dept of Education US Dept of Education	Direct Direct	84.324 84.324	R324A180122 R324B170003	INST OF EDUCATION SCIENCES US DEPT OF EDUCATION	154,296 67,923	
US Dept of Education	Direct	84.324	R324L190002	INST OF EDUCATION SCIENCES	62,604	_
	Direct Total				2,085,051	88,378
US Dept of Education	Pass-through	84.004	S004D160011	INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS	18,316	-
US Dept of Education	Pass-through	84.116	SP00012139-06	GEORGIA STATE UNIV	42,782	-
US Dept of Education US Dept of Education	Pass-through Pass-through	84.263 84.287	II263B150004 192122 - MSUEVAL	UNIVERSITY OF WISCONSIN STOUT MICHIGAN DEPT OF EDUCATION	59,650 108	-
US Dept of Education	Pass-through	84.287	202122 - Evaluation	MICHIGAN DEPT OF EDUCATION	446,495	_
US Dept of Education	Pass-through	84.305	0388700002	AMER INSTS FOR RESEARCH	8	-
US Dept of Education	Pass-through	84.305	130596	UNIVERSITY OF CONNECTICUT	42,879	-
US Dept of Education	Pass-through	84.305	511140-02	TEACHERS COLLEGE COLUMBIA UNIV	59,696	-
US Dept of Education	Pass-through	84.305	ED162A-A	OREGON STATE UNIV	(1,199)	-
US Dept of Education US Dept of Education	Pass-through Pass-through	84.305 84.411	TUL-SCC-556404-18/19 151182	TULANE UNIV HIGHSCOPE EDUCATIONAL RESEARCH FOUNDATION	476,447 259,115	-
	Pass-through To	otal	191102		1,404,297	-
	US Dept of Edu	cation Total			3,489,348	88,378
US Dept of Energy	Direct	81.RD	368355	BROOKHAVEN NATIONAL LABORATORY	46,893	-
US Dept of Energy	Direct	81.RD	SUB-2020-10026	NATIONAL RENEWABLE ENERGY LAB	12,484	-
US Dept of Energy	Direct	81.049 81.049	HARDSHIP DE-FG02-01ER15228	US DEPT OF ENERGY US DEPT OF ENERGY	1,468	-
US Dept of Energy US Dept of Energy	Direct	81.049	DE-FG02-01ER15228 DE-FG02-01ER15282	US DEPT OF ENERGY	192,089 235,882	-
US Dept of Energy	Direct	81.049	DE-FG02-03ER41259	US DEPT OF ENERGY	72,759	-
US Dept of Energy	Direct	81.049	DE-FG02-06ER15808	US DEPT OF ENERGY	84,142	(9,074)
US Dept of Energy	Direct	81.049	DE-FG02-06ER46309	US DEPT OF ENERGY	150,236	-
US Dept of Energy	Direct	81.049	DE-FG02-08ER41556	US DEPT OF ENERGY	19,285	-
US Dept of Energy	Direct Direct	81.049 81.049	DE-FG02-91ER20021 DE-FG02-99ER62848	US DEPT OF ENERGY US DEPT OF ENERGY	3,650,821 55,421	-
US Dept of Energy US Dept of Energy	Direct	81.049	DE-SC0000661	US DEPT OF ENERGY	10,000	-
US Dept of Energy	Direct	81.049	DE-SC0000661	US DEPT OF ENERGY	542,558	-
US Dept of Energy	Direct	81.049	DE-SC0000661	US DEPT OF ENERGY	16,249,466	-
US Dept of Energy	Direct	81.049	DE-SC0000661	US DEPT OF ENERGY	33,587,803	(18,073)
US Dept of Energy	Direct	81.049 81.049	DE-SC0001525	US DEPT OF ENERGY	151,343	-
US Dept of Energy US Dept of Energy	Direct Direct	81.049 81.049	DE-SC0002325 DE-SC0007101	US DEPT OF ENERGY US DEPT OF ENERGY	236,747	-
US Dept of Energy	Direct	81.049	DE-SC0007101	US DEPT OF ENERGY	181,676	-
US Dept of Energy	Direct	81.049	DE-SC0009962	US DEPT OF ENERGY	176,698	166,346
US Dept of Energy	Direct	81.049	DE-SC0010847	US DEPT OF ENERGY	211,622	-
US Dept of Energy	Direct	81.049	DE-SC0013365	US DEPT OF ENERGY	178,921	-
US Dept of Energy US Dept of Energy	Direct Direct	81.049 81.049	DE-SC0013617 DE-SC0013617	US DEPT OF ENERGY US DEPT OF ENERGY	59,908 372,568	- 145,973
US Dept of Energy	Direct	81.049	DE-SC0014108	US DEPT OF ENERGY	32,963	- 145,575
US Dept of Energy	Direct	81.049	DE-SC0014108	US DEPT OF ENERGY	230,882	-
US Dept of Energy	Direct	81.049	DE-SC0014108	US DEPT OF ENERGY	315,485	72,304
US Dept of Energy	Direct	81.049	DE-SC0014384	US DEPT OF ENERGY	1,373,822	216,003
US Dept of Energy US Dept of Energy	Direct Direct	81.049 81.049	DE-SC0014530 DE-SC0014554	US DEPT OF ENERGY US DEPT OF ENERGY	183,338 (18,003)	-
US Dept of Energy	Direct	81.049	DE-SC0014934	US DEPT OF ENERGY	133,128	-
US Dept of Energy	Direct	81.049	DE-SC0015904	US DEPT OF ENERGY	116,192	-
US Dept of Energy	Direct	81.049	DE-SC0016052	US DEPT OF ENERGY	72,062	-
US Dept of Energy	Direct	81.049	DE-SC0016604	US DEPT OF ENERGY	66,460	-
US Dept of Energy	Direct	81.049 81.049	DE-SC0016948	US DEPT OF ENERGY US DEPT OF ENERGY	178,526	-
US Dept of Energy US Dept of Energy	Direct Direct	81.049 81.049	DE-SC0017342 DE-SC0017883	US DEPT OF ENERGY US DEPT OF ENERGY	105,540 422,154	114,534
US Dept of Energy	Direct	81.049	DE-SC0017887	US DEPT OF ENERGY	116,477	-
US Dept of Energy	Direct	81.049	DE-SC0017888	US DEPT OF ENERGY	243,066	123,623
US Dept of Energy	Direct	81.049	DE-SC0017889	US DEPT OF ENERGY	91,099	-
US Dept of Energy	Direct	81.049	DE-SC0017952	US DEPT OF ENERGY	135,224	-
US Dept of Energy US Dept of Energy	Direct Direct	81.049 81.049	DE-SC0017955 DE-SC0017955	US DEPT OF ENERGY US DEPT OF ENERGY	3,224	165 210
US Dept of Energy	Direct	81.049	DE-SC0018083	US DEPT OF ENERGY	256,843 63,102	165,219
US Dept of Energy	Direct	81.049	DE-SC0018083	US DEPT OF ENERGY	236,259	124,814
US Dept of Energy	Direct	81.049	DE-SC0018269	US DEPT OF ENERGY	305,434	-
US Dept of Energy	Direct	81.049	DE-SC0018269	US DEPT OF ENERGY	348,649	-
US Dept of Energy	Direct	81.049	DE-SC0018269	US DEPT OF ENERGY	1,492,017	1,088,554
US Dept of Energy US Dept of Energy	Direct Direct	81.049 81.049	DE-SC0018362 DE-SC0018432	US DEPT OF ENERGY US DEPT OF ENERGY	451,473 126,464	-
US Dept of Energy	Direct	81.049	DE-SC0018636	US DEPT OF ENERGY	230,938	-
US Dept of Energy	Direct	81.049	DE-SC0018637	US DEPT OF ENERGY	141,655	-
US Dept of Energy	Direct	81.049	DE-SC0018638	US DEPT OF ENERGY	71,558	-
US Dept of Energy	Direct	81.049	DE-SC0018966	US DEPT OF ENERGY	60,687	-
JS Dept of Energy JS Dept of Energy	Direct Direct	81.049 81.049	DE-SC0018973 DE-SC0019015	US DEPT OF ENERGY US DEPT OF ENERGY	108,410 86,154	-
JS Dept of Energy	Direct	81.049	DE-SC0019013	US DEPT OF ENERGY	113,764	-
JS Dept of Energy	Direct	81.049	DE-SC0019054	US DEPT OF ENERGY	81,896	-
US Dept of Energy	Direct	81.049	DE-SC0019072	US DEPT OF ENERGY	437,824	-
US Dept of Energy	Direct	81.049	DE-SC0019120	US DEPT OF ENERGY	105,596	-
US Dept of Energy	Direct	81.049	DE-SC0019203	US DEPT OF ENERGY	2,245	-
US Dept of Energy	Direct	81.049	DE-SC0019209	US DEPT OF ENERGY	131,431	-
US Dept of Energy US Dept of Energy	Direct Direct	81.049 81.049	DE-SC0019252 DE-SC0019259	US DEPT OF ENERGY US DEPT OF ENERGY	169,359 120,335	-
os seperar Lineigy	Direct	81.049	DE-SC0019259 DE-SC0019369	US DEPT OF ENERGY	51,872	- 9,774
		81.049	DESC0019403	US DEPT OF ENERGY	21,072	-
US Dept of Energy	Direct			US DEPT OF ENERGY		
US Dept of Energy US Dept of Energy	Direct	81.049	DE-SC0019455	US DEPT OF ENERGY	78,951	-
US Dept of Energy US Dept of Energy US Dept of Energy US Dept of Energy	Direct Direct	81.049	DE-SC0020370	US DEPT OF ENERGY	44,670	-
US Dept of Energy US Dept of Energy US Dept of Energy US Dept of Energy US Dept of Energy	Direct Direct Direct	81.049 81.049	DE-SC0020370 DE-SC0020371	US DEPT OF ENERGY US DEPT OF ENERGY	44,670 112,879	-
US Dept of Energy US Dept of Energy	Direct Direct Direct Direct	81.049 81.049 81.049	DE-SC0020370 DE-SC0020371 DE-SC0020429	US DEPT OF ENERGY US DEPT OF ENERGY US DEPT OF ENERGY	44,670 112,879 39,913	-
US Dept of Energy US Dept of Energy	Direct Direct Direct	81.049 81.049	DE-SC0020370 DE-SC0020371	US DEPT OF ENERGY US DEPT OF ENERGY	44,670 112,879	-

					Year Ended Jun	e 30, 2020
	Direct/	CFDA			Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONT	TINUED)					
US Dept of Energy	Direct	81.086	DE-EE0008320	US DEPT OF ENERGY	\$ 435,201	\$ 265,778
US Dept of Energy	Direct	81.086	DE-EE0008455	US DEPT OF ENERGY	310,969	-
US Dept of Energy US Dept of Energy	Direct Direct	81.087 81.089	DE-EE0008148 DE-FE0030977	US DEPT OF ENERGY US DEPT OF ENERGY	406,682 337,389	207,057
US Dept of Energy	Direct	81.089	DE-FE0031250	US DEPT OF ENERGY	71,620	7,121
US Dept of Energy	Direct	81.089	DE-FE0031672	US DEPT OF ENERGY	169,350	-
US Dept of Energy US Dept of Energy	Direct Direct	81.112 81.112	DE-NA0002923 DE-NA0002924	US DEPT OF ENERGY US DEPT OF ENERGY	(15,147) 3,207	-
US Dept of Energy	Direct	81.112	DE-NA0003221	US DEPT OF ENERGY	62,440	-
US Dept of Energy	Direct	81.112	DE-NA0003885	US DEPT OF ENERGY	195,389	-
US Dept of Energy	Direct	81.112	DE-NA0003906	US DEPT OF ENERGY	133,230	-
US Dept of Energy US Dept of Energy	Direct Direct	81.112 81.112	DE-NA0003908 DE-NA0003913	US DEPT OF ENERGY US DEPT OF ENERGY	284,874 151,556	-
US Dept of Energy	Direct	81.135	DE-AR0000991	US DEPT OF ENERGY	5,627	-
US Dept of Energy	Direct	81.135	DE-AR0000991	US DEPT OF ENERGY	856,667	202,482
US Dept of Energy	Direct	81.135	DE-AR0001123	US DEPT OF ENERGY	289,285	33,897
US Dept of Energy	Direct Total Pass-through	81.RD	1955343	SANDIA NATIONAL LABORATORIES	70,697,712 58,290	3,090,979
US Dept of Energy	Pass-through	81.RD	332574	LOS ALAMOS NATL LABORATORY	66,770	-
US Dept of Energy	Pass-through	81.RD	344028	BROOKHAVEN NATIONAL LABORATORY	98,461	-
US Dept of Energy	Pass-through	81.RD	344514	BROOKHAVEN NATIONAL LABORATORY	9,218	-
US Dept of Energy US Dept of Energy	Pass-through	81.RD 81.RD	364776 4000166582	BROOKHAVEN SCIENCE ASSOC LLC OAK RIDGE NATIONAL LABORATORY	48,320 87,274	-
US Dept of Energy US Dept of Energy	Pass-through Pass-through	81.RD 81.RD	510272	LOS ALAMOS NATL LABORATORY	87,274 11,191	-
US Dept of Energy	Pass-through	81.RD	510272	LOS ALAMOS NATL LABORATORY	70,009	-
US Dept of Energy	Pass-through	81.RD	516587	PACIFIC NORTHWEST NATIONAL LABORATORY	14,325	-
US Dept of Energy	Pass-through	81.RD	527464	LOS ALAMOS NATL LABORATORY	46,682	-
US Dept of Energy US Dept of Energy	Pass-through Pass-through	81.RD 81.RD	638420 640672	FERMI NATIONAL ACCELERATOR LABORATORY FERMI NATIONAL ACCELERATOR LABORATORY	9,951 51,619	-
US Dept of Energy	Pass-through	81.RD	646732	FERMI NATIONAL ACCELERATOR LABORATORY	76,083	-
US Dept of Energy	Pass-through	81.RD	650703	FERMI NATIONAL ACCELERATOR LABORATORY	21,496	-
US Dept of Energy	Pass-through	81.RD	662291	FERMI NATIONAL ACCELERATOR LABORATORY	35,690	-
US Dept of Energy	Pass-through	81.RD	662299	FERMI NATIONAL ACCELERATOR LABORATORY	51,526	-
US Dept of Energy US Dept of Energy	Pass-through Pass-through	81.RD 81.RD	662608 667145	FERMI NATIONAL ACCELERATOR LABORATORY	70,749 11,402	-
US Dept of Energy	Pass-through	81.RD	7436735	LAWRENCE BERKELEY NATIONAL LABORATORY	42,904	-
US Dept of Energy	Pass-through	81.RD	9F-60106	ARGONNE NATIONAL LABORATORY	79,029	-
US Dept of Energy	Pass-through	81.RD	B632490	LAWRENCE LIVERMORE NATIONAL LABORATORY	92,357	-
US Dept of Energy US Dept of Energy	Pass-through Pass-through	81.RD 81.RD	B633575 B639899	LAWRENCE LIVERMORE NATIONAL LABORATORY LAWRENCE LIVERMORE NATIONAL LABORATORY	39,053 67,053	
US Dept of Energy	Pass-through	81.RD	305049	LOS ALAMOS NATL LABORATORY	12,208	_
US Dept of Energy	Pass-through	81.RD	EN2-7107	NANOSONIC INC	1,566	-
US Dept of Energy	Pass-through	81.RD	ILAB-645751	FERMI NATIONAL ACCELERATOR LABORATORY	(5,379)	-
US Dept of Energy US Dept of Energy	Pass-through Pass-through	81.RD 81.RD	Joint Appt Hao N000295611	BROOKHAVEN SCIENCE ASSOC LLC HONEYWELL CORP	159,177 140,806	-
US Dept of Energy	Pass-through	81.RD 81.RD	N000302427	HONEYWELL CORP	16,959	
US Dept of Energy	Pass-through	81.RD	N000337335	HONEYWELL CORP	197,033	-
US Dept of Energy	Pass-through	81.RD	N000342733	HONEYWELL CORP	28,432	-
US Dept of Energy	Pass-through	81.RD	PA16-0349-6.20-01	INST FOR ADVANCED COMPOSITES MANUFACTURING INNOVATION	2,221	-
US Dept of Energy US Dept of Energy	Pass-through Pass-through	81.RD 81.RD	PO1910351 XAT-9-92135-01	SANDIA NATIONAL LABORATORIES NATIONAL RENEWABLE ENERGY LAB	65,718 48,000	-
US Dept of Energy	Pass-through	81.041	MEO-18-007	MICHIGAN ENERGY OFFICE	167,875	-
US Dept of Energy	Pass-through	81.049	00408871	NIOWAVE INC	199,285	-
US Dept of Energy	Pass-through	81.049	348207	PHDS CO	11,101	-
US Dept of Energy US Dept of Energy	Pass-through Pass-through	81.049 81.049	17630-Z7181004 2014-13	UNIVERSITY OF MARYLAND UNIVERSITY OF OKLAHOMA	83,131 135	-
US Dept of Energy	Pass-through	81.049	25-1215-0208-007	UNIVERSITY OF NEBRASKA - LINCOLN	49,990	-
US Dept of Energy	Pass-through	81.049	3003805140	UNIVERSITY OF MICHIGAN	19,780	-
US Dept of Energy	Pass-through	81.049	508145	LOS ALAMOS NATL LABORATORY	63,343	-
US Dept of Energy US Dept of Energy	Pass-through Pass-through	81.049 81.049	5103977 53793	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL MARINE BIOLOGICAL LABORATORY	133,516 28,909	-
US Dept of Energy	Pass-through	81.049	812K980	UNIVERSITY OF WISCONSIN MADISON	10,508,567	-
US Dept of Energy	Pass-through	81.049	C1554-050119	MICHIGAN AEROSPACE CORP	62,856	-
US Dept of Energy	Pass-through	81.049	GF70041-2	UNIVERSITY OF NORTH TEXAS	66,713	-
US Dept of Energy US Dept of Energy	Pass-through	81.049 81.049	GF70059-1	UNIVERSITY OF NORTH TEXAS INTEGRATED SENSORS LLC	33,487	-
US Dept of Energy US Dept of Energy	Pass-through Pass-through	81.049 81.049	IS-MSU-19597-01 JOLT-MSU-001	IN LEGRATED SENSORS LLC JOLT ENERGY STORAGE TECHNOLOGIES LLC	10,000 58,867	-
US Dept of Energy	Pass-through	81.049	R02187	FLORIDA STATE UNIV	126,108	-
US Dept of Energy	Pass-through	81.049	S00460-01	UNIVERSITY OF IOWA	50,292	-
US Dept of Energy	Pass-through	81.049	SBIR award	TELLURIC LABS LLC	471	-
US Dept of Energy US Dept of Energy	Pass-through Pass-through	81.049 81.049	SUB0000288 SUB0000347	PRINCETON UNIV PRINCETON UNIV	120,924 15,048	-
US Dept of Energy	Pass-through	81.049	SUB0000376	PRINCETON UNIV	57,976	-
US Dept of Energy	Pass-through	81.049	UHV-MSU-201801	UHV TECHNOLOGIES INC	43,181	-
US Dept of Energy	Pass-through	81.086	4300501633	GENERAL MOTORS CORP	101,534	-
US Dept of Energy	Pass-through	81.086	A16-0349-5005	COLLABORATIVE COMPOSITE SOLUTIONS CORP	133,696	-
US Dept of Energy US Dept of Energy	Pass-through Pass-through	81.086 81.086	A16-0349-S005 A16-0349-S005	COLLABORATIVE COMPOSITE SOLUTIONS CORP COLLABORATIVE COMPOSITE SOLUTIONS CORP	5,540 8,928	-
US Dept of Energy	Pass-through	81.086	DE-EE0008235	MERCEDES BENZ RESEARCH AND DEVELOPMENT NORTH AMERICA INC	9,911	-
US Dept of Energy	Pass-through	81.086	PA16-0349-3.1-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	241,269	-
US Dept of Energy	Pass-through	81.086	PA16-0349-3.13-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	397,610	-
US Dept of Energy US Dept of Energy	Pass-through Pass-through	81.086 81.086	PA16-0349-3.16-01 PA16-0349-3.2-02	COLLABORATIVE COMPOSITE SOLUTIONS CORP COLLABORATIVE COMPOSITE SOLUTIONS CORP	65,470 12,573	-
US Dept of Energy US Dept of Energy	Pass-through Pass-through	81.086 81.086	PA16-0349-3.2-02 PA16-0349-3.7-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP COLLABORATIVE COMPOSITE SOLUTIONS CORP	12,573 27,003	-
US Dept of Energy	Pass-through	81.086	PA16-0349-3.7-01 PA16-0349-3.9-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	296,072	-
US Dept of Energy	Pass-through	81.086	PA16-0349-5.7-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	24,905	-
US Dept of Energy	Pass-through	81.086	PA16-0349-7.8-01	COLLABORATIVE COMPOSITE SOLUTIONS CORP	7,158	-
	Pass-through	81.087	2108-219-2023054	CLEMSON UNIV	92,539	-
		01 007	2004665464	LINIVERSITY OF MICHIGAN	C7 400	
US Dept of Energy US Dept of Energy US Dept of Energy	Pass-through	81.087 81.087	3004665464 G0174A-B	UNIVERSITY OF MICHIGAN OREGON STATE UNIV	67,498 117,160	-
		81.087 81.087 81.087	3004665464 G0174A-B S51900000040371	UNIVERSITY OF MICHIGAN OREGON STATE UNIV UNIVERSITY OF MASSACHUSETTS LOWELL	67,498 117,160 25,000	-

e 1 11	Direct/	CFDA		<b>-</b>	Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONT	INUED)					
IS Dept of Energy	Pass-through	81.112	18-S17	GEORGE WASHINGTON UNIV	\$ 33,917	\$-
IS Dept of Energy	Pass-through	81.113	00009330	UNIVERSITY OF CALIFORNIA BERKELEY	662,762	-
S Dept of Energy S Dept of Energy	Pass-through Pass-through	81.135 81.135	AR-370-9.17 G0176A-A	NEXTENERGY OREGON STATE UNIV	49,804 173,200	
IS Dept of Energy	Pass-through	81.135	GR108616 (CON-80002172)	YALE UNIV	25,071	-
	Pass-through To	otal			16,356,873	-
	US Dept of Ener	rgy Total			87,054,585	3,090,97
nvironmental Protection Agency	Direct	66.001	83589201	US ENVIRONMENTAL PROTECTION AGENCY	163	-
nvironmental Protection Agency	Direct	66.466	96373801	US ENVIRONMENTAL PROTECTION AGENCY	11,199	-
nvironmental Protection Agency	Direct	66.469	00E02802	US ENVIRONMENTAL PROTECTION AGENCY	23,437	-
nvironmental Protection Agency nvironmental Protection Agency	Direct	66.509 66.509	83579801 83616801	US ENVIRONMENTAL PROTECTION AGENCY US ENVIRONMENTAL PROTECTION AGENCY	133,754	37,65
nvironmental Protection Agency	Direct	66.516	83983001	US ENVIRONMENTAL PROTECTION AGENCY	172,454 19,333	-
in on the control of	Direct Total	00.510	0000001		360,340	37,65
nvironmental Protection Agency	Pass-through	66.RD	10006-7-105247	CH2M HILL	(49,720)	-
nvironmental Protection Agency	Pass-through	66.419	2017-7216	MICHIGAN DEPT OF ENVIRONMENTAL QUALITY	(226)	-
nvironmental Protection Agency nvironmental Protection Agency	Pass-through Pass-through	66.469 66.469	143652 18-AOC-014	THE STEWARDSHIP NETWORK MICHIGAN DEPT OF NATURAL RESOURCES	9,052 80,855	
nvironmental Protection Agency	Pass-through	66.469	19000001785	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	18,387	_
nvironmental Protection Agency	Pass-through	66.511	401579-5802	COLORADO SCHOOL OF MINES	55,087	-
nvironmental Protection Agency	Pass-through	66.511	4109-79628	PURDUE UNIV	93,047	-
nvironmental Protection Agency	Pass-through	66.511	4109-79628	PURDUE UNIV	98,995	19,46
	Pass-through To Environmental		zency Total		305,477 665,817	19,46 57,12
ederal Council on the Arts and Humanities	Pass-through Federal Council	45.129 on the Arts a	HU023-20 and Humanities Total	MICHIGAN HUMANITIES COUNCIL	1,144	-
IS Dept of Health and Human Services	Direct	93.RD	200-2016-89831	CENTERS FOR DISEASE CONTROL AND PREVENTION	(17,590)	-
JS Dept of Health and Human Services JS Dept of Health and Human Services	Direct	93.RD 93.RD	200-2016-89831 200-2016-89831	CENTERS FOR DISEASE CONTROL AND PREVENTION CENTERS FOR DISEASE CONTROL AND PREVENTION	12,634 203,521	-
IS Dept of Health and Human Services	Direct	93.RD 93.RD	200-2016-89831 200-2016-89831	CENTERS FOR DISEASE CONTROL AND PREVENTION CENTERS FOR DISEASE CONTROL AND PREVENTION	606,136	-
IS Dept of Health and Human Services	Direct	93.110	4 R40MC27704-03-05	HEALTH RESOURCES AND SERVICES ADMINISTRATION	4	-
S Dept of Health and Human Services	Direct	93.113	1F32ES031426-01	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	28,718	-
S Dept of Health and Human Services	Direct	93.113	1R01ES024966-01A1 Revised	NATIONAL INST OF HEALTH	353,499	-
S Dept of Health and Human Services	Direct	93.113	1R01ES029227-01A1	NATIONAL INST OF HEALTH	602,095	340,66
S Dept of Health and Human Services S Dept of Health and Human Services	Direct	93.113 93.113	1R03ES030766-01 3R01ES024064-03S1	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	55,316 29,302	
S Dept of Health and Human Services	Direct	93.113	3R01ES024064-05S1	NATIONAL INST OF HEALTH	7,971	-
S Dept of Health and Human Services	Direct	93.113	4R01ES002520-29 Revised	NATIONAL INST OF HEALTH	(8,343)	-
S Dept of Health and Human Services	Direct	93.113	5K22ES026208-03	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	78,683	-
IS Dept of Health and Human Services	Direct	93.113 93.113	5R00ES024570-04 5R00ES024795-05	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	102,507 98,943	-
IS Dept of Health and Human Services IS Dept of Health and Human Services	Direct	93.113	5R00ES024795-05 5R00ES024806-05	NATIONAL INST OF HEALTH	100,521	-
S Dept of Health and Human Services	Direct	93.113	5R01ES022302-03	NATIONAL INST OF HEALTH	141,621	111,70
IS Dept of Health and Human Services	Direct	93.113	5R01ES024064-02	NATIONAL INST OF HEALTH	214,298	-
S Dept of Health and Human Services	Direct	93.113	5R21ES027418-02	NATIONAL INST OF HEALTH	53,635	-
IS Dept of Health and Human Services IS Dept of Health and Human Services	Direct	93.113 93.113	5R21ES029205-02 (P) 5R25ES0250602-02	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	134,908	-
IS Dept of Health and Human Services	Direct	93.113	5K25E50250602-02 5U01ES026119-05	NATIONAL INST OF HEALTH	26,392 774,031	- 151,97
IS Dept of Health and Human Services	Direct	93.113	9R56ES029064-05A1	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	47,597	-
IS Dept of Health and Human Services	Direct	93.113	F32ES031426	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	3,895	-
IS Dept of Health and Human Services	Direct	93.113	K01ES028047	NATIONAL INST OF HEALTH	115,347	-
IS Dept of Health and Human Services IS Dept of Health and Human Services	Direct	93.113 93.113	K01ES029115 R01ES017537	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES NATIONAL INST OF HEALTH	114,066 235,253	- 54,51
IS Dept of Health and Human Services	Direct	93.113	R01ES017557 R01ES027353	NATIONAL INST OF HEALTH	340,819	54,51
IS Dept of Health and Human Services	Direct	93.113	R01ES027863	NATIONAL INST OF HEALTH	114,588	-
IS Dept of Health and Human Services	Direct	93.113	R01ES029541	NATIONAL INST OF HEALTH	403,719	-
S Dept of Health and Human Services	Direct	93.113	R25ES025060	NATIONAL INST OF HEALTH	4,523	-
S Dept of Health and Human Services	Direct	93.113 93.121	T32ES007255	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES NATIONAL INST OF DENTAL AND CRANIOFACIAL RESEARCH	98,837 714,788	-
IS Dept of Health and Human Services IS Dept of Health and Human Services	Direct	93.121 93.121	5R01DE026125-04 5R03DE027429-02 (P)	NATIONALINST OF DENTAL AND CRANIOFACIAL RESEARCH NATIONALINST OF HEALTH	108,883	246,16
S Dept of Health and Human Services	Direct	93.121	K25DE028949	NATIONAL INST OF HEALTH	8,375	-
S Dept of Health and Human Services	Direct	93.121	R03DE027108	NATIONAL INST OF HEALTH	118,195	-
S Dept of Health and Human Services	Direct	93.136	6 R01CE002682-04-02	CENTERS FOR DISEASE CONTROL AND PREVENTION	7,752	-
S Dept of Health and Human Services S Dept of Health and Human Services	Direct	93.143	3P42ES004911-26S2	NATIONAL INST OF HEALTH	42,971	-
S Dept of Health and Human Services S Dept of Health and Human Services	Direct Direct	93.143 93.143	4PA2ES004911-25 4PA2ES004911-25	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	(210,175) (57,281)	-
S Dept of Health and Human Services	Direct	93.143	4PA2ES004911-25	NATIONAL INST OF HEALTH	(57,281)	-
S Dept of Health and Human Services	Direct	93.143	4PA2ES004911-25	NATIONAL INST OF HEALTH	17	-
S Dept of Health and Human Services	Direct	93.143	4PA2ES004911-25	NATIONAL INST OF HEALTH	265	-
S Dept of Health and Human Services S Dept of Health and Human Services	Direct	93.143 93.143	4PA2ES004911-25 4PA2ES004911-25	NATIONAL INST OF HEALTH	2,086 2,129	2,08
S Dept of Health and Human Services S Dept of Health and Human Services	Direct	93.143 93.143	4PA2ES004911-25 4PA2ES004911-25	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	2,129 4,584	2,1.
S Dept of Health and Human Services	Direct	93.143	4PA2ES004911-25	NATIONAL INST OF HEALTH	7,036	-
S Dept of Health and Human Services	Direct	93.143	4PA2ES004911-25	NATIONAL INST OF HEALTH	9,866	-
S Dept of Health and Human Services	Direct	93.143	4PA2ES004911-25	NATIONAL INST OF HEALTH	49,781	-
S Dept of Health and Human Services S Dept of Health and Human Services	Direct Direct	93.143 93.143	4PA2ES004911-25 5PA2ES004911-26 Sup 1	NATIONAL INST OF HEALTH NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	87,127 25,933	- 25,9
S Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26 Sup 1 5PA2ES004911-26 Sup 1	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	25,933	- 25,9
S Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26 Sup 1	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	227,923	-
S Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26 SUP1	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	252,994	252,99
S Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26S1	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	18,327	-
S Dept of Health and Human Services	Direct	93.143	5PA2ES004911-26Sup 1	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	72,838	-
IS Dept of Health and Human Services IS Dept of Health and Human Services	Direct	93.143 93.143	NIH 5PA2ES004911-26S1 NIH-5PA2ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	145,557 42,873	-
	Direct	93.143	NIH-5PA2ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	42,875	-
IS Dept of Health and Human Services IS Dept of Health and Human Services	Direct	93.143	NIH-5PA2ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	65,706	-
IS Dept of Health and Human Services IS Dept of Health and Human Services IS Dept of Health and Human Services	Direct	93.143	NIH-5PA2ES004911-26	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	83,530	-
S Dept of Health and Human Services S Dept of Health and Human Services						-

					Year Ended Jur	ne 30, 202
Federal Agency	Direct/ Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subawaro Payments
reactar Agency		(14010-5)	Award Number	Grantor Name	Experiordares	
RESEARCH AND DEVELOPMENT CLUSTER (CON		02.472	P24UC040072		¢ 400.000	¢ 45.0
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.172 93.172	R21HG010073 R21HG010789	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	\$ 122,683 87,291	\$ 15,2
JS Dept of Health and Human Services	Direct	93.173	5R01DC012315-04	NATIONAL INST OF HEALTH	103,514	28,6
JS Dept of Health and Human Services	Direct	93.173	5R21DC016102-03	NATIONAL INST OF HEALTH	109,340	-
JS Dept of Health and Human Services	Direct	93.173	5R21DC017227-02	NATIONAL INST OF HEALTH	32,640	19,6
JS Dept of Health and Human Services JS Dept of Health and Human Services	Direct Direct	93.173 93.173	K01DC017751 R21DC015550	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	106,841 9,017	
IS Dept of Health and Human Services	Direct	93.213	7K23AT009458-03	NATIONALINST OF HEALTH	54,036	-
IS Dept of Health and Human Services	Direct	93.213	R00AT009156	NATIONAL INST OF HEALTH	167,360	-
IS Dept of Health and Human Services	Direct	93.226	R01HS025386	AGENCY FOR HEALTHCARE RESEARCH AND QUALITY	313,905	51,8
IS Dept of Health and Human Services	Direct	93.242	1R01MH119149-01	NATIONAL INST OF HEALTH	318,823	9,4
IS Dept of Health and Human Services	Direct Direct	93.242 93.242	1R34MH118402-01A1 1RF1MH117802-01	NATIONAL INST OF MENTAL HEALTH NATIONAL INST OF HEALTH	92,054 351,072	13,5
S Dept of Health and Human Services S Dept of Health and Human Services	Direct	93.242	3U01MH106660-04S1	NATIONAL INST OF MENTAL HEALTH	755,888	533,7
S Dept of Health and Human Services	Direct	93.242	5R01MH102456-05	NATIONAL INST OF HEALTH	305,019	-
S Dept of Health and Human Services	Direct	93.242	5R01MH108511-03S1	NATIONAL INST OF HEALTH	33,859	-
S Dept of Health and Human Services	Direct	93.242	5R01MH111276-04	NATIONAL INST OF HEALTH	284,383	-
S Dept of Health and Human Services S Dept of Health and Human Services	Direct Direct	93.242 93.242	5R01MH111604-04 5R01MH111715-02	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	336,022 785,566	- 37,3
5 Dept of Health and Human Services	Direct	93.242	5R01MH111715-03S1	NATIONAL INST OF HEALTH	50,113	
5 Dept of Health and Human Services	Direct	93.242	5U01MH106660-04	NATIONAL INST OF MENTAL HEALTH	541,198	195,8
Dept of Health and Human Services	Direct	93.242	R00MH110665	NATIONAL INST OF MENTAL HEALTH	310,294	-
Dept of Health and Human Services	Direct	93.242	R01MH108511	NATIONAL INST OF HEALTH	726,920	68,0
Dept of Health and Human Services	Direct	93.242	R01MH111715	NATIONAL INST OF HEALTH	29,138	
Dept of Health and Human Services Dept of Health and Human Services	Direct Direct	93.242 93.242	R01MH112644 R01MH114883	NATIONAL INST OF HEALTH NATIONAL INST OF MENTAL HEALTH	447,072 625,641	55,7 110,1
Dept of Health and Human Services	Direct	93.242	R01MH118848	NATIONAL INST OF HEALTH	406,604	110,1
Dept of Health and Human Services	Direct	93.242	R56MH118908	NATIONAL INST OF HEALTH	124,003	
Dept of Health and Human Services	Direct	93.242	UH3MH114249	NATIONAL INST OF HEALTH	696,244	414,9
Dept of Health and Human Services	Direct	93.262	5 U60OH008466-14-00	NATIONAL INST FOR OCCUPATIONAL SAFETY AND HEALTH	887,034	98,9
Dept of Health and Human Services	Direct	93.262	5U60OH01089203-00 1R21AA026674-01A1	CENTERS FOR DISEASE CONTROL AND PREVENTION NATIONAL INST OF ALCOHOL ABUSE AND ALCOHOLISM	57,804	30,0
5 Dept of Health and Human Services 5 Dept of Health and Human Services	Direct Direct	93.273 93.273	5R03AA024288-02	NATIONAL INST OF ALCOHOL ABOSE AND ALCOHOLISM NATIONAL INST OF HEALTH	228,776 2,378	
Dept of Health and Human Services	Direct	93.273	R01AA026057	NATIONAL INST OF HEALTH	48,181	48,1
Dept of Health and Human Services	Direct	93.279	5R00DA037271-05	NATIONAL INST OF HEALTH	107,401	,
Dept of Health and Human Services	Direct	93.279	5R01DA039895-04	NATIONAL INST OF HEALTH	164,806	
Dept of Health and Human Services	Direct	93.279	K01DA046516	NATIONAL INST ON DRUG ABUSE	113,030	
Dept of Health and Human Services	Direct	93.279	R01DA039112	NATIONAL INST OF HEALTH	535,491	152,1
Dept of Health and Human Services Dept of Health and Human Services	Direct Direct	93.279 93.286	R01DA047180 5R00EB016753-04 Revised	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	339,778 90,999	
Dept of Health and Human Services	Direct	93.286	5R21EB023051-02	NATIONAL INST OF HEALTH	3,857	
Dept of Health and Human Services	Direct	93.286	5U01EB018818-05	NATIONAL INST OF HEALTH	339,971	269,7
Dept of Health and Human Services	Direct	93.286	R01EB012079	NATIONAL INST OF HEALTH	347,557	
Dept of Health and Human Services	Direct	93.286	R03EB028349	NATIONAL INST OF HEALTH	7,401	
5 Dept of Health and Human Services	Direct	93.307 93.307	5U54MD011227-03S1 Revised U54MD011227	NATIONAL INST ON MINORITY HEALTH AND HEALTH DISPARITIES	35,327	122 -
5 Dept of Health and Human Services 5 Dept of Health and Human Services	Direct	93.310	5DP7OD020320-05	NATIONAL INST ON MINORITY HEALTH AND HEALTH DISPARITIES NATIONAL INST OF HEALTH	2,516,655 159,879	133,7
Dept of Health and Human Services	Direct	93.310	UH30D023285	NATIONAL INST OF HEALTH	2,872,004	1,398,3
5 Dept of Health and Human Services	Direct	93.350	10T2TR003426-01	NATIONAL INST OF HEALTH	58,210	
Dept of Health and Human Services	Direct	93.350	5R21TR001743-03 (P)	NATIONAL INST OF HEALTH	2,164	6,4
Dept of Health and Human Services	Direct	93.351	8R25GM129186-05 Revised	NATIONAL INST OF HEALTH	6,711	4,1
5 Dept of Health and Human Services 5 Dept of Health and Human Services	Direct Direct	93.351 93.361	R13OD012091 1R21NR017958-01A1	NATIONAL INST OF HEALTH NATIONAL INST OF NURSING RESEARCH	35,000 127,407	
5 Dept of Health and Human Services	Direct	93.361	2R01NR014484-06	NATIONAL INST OF HEALTH	309,195	159,5
Dept of Health and Human Services	Direct	93.361	5R01NR014484-05 Revised	NATIONAL INST OF NURSING RESEARCH	19,565	
Dept of Health and Human Services	Direct	93.361	5R21NR015589-02 Revised	NATIONAL INST OF HEALTH	83,190	28,5
Dept of Health and Human Services	Direct	93.361	7R15NR016828-02	NATIONAL INST OF NURSING RESEARCH	132,219	5,8
Dept of Health and Human Services	Direct	93.361	R00NR017191 1R01CA225105-01	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	233,330	
Dept of Health and Human Services Dept of Health and Human Services	Direct Direct	93.393 93.393	1R01CA225105-01 1R01CA225105-02S1	NATIONALINST OF HEALTH NATIONAL INST OF HEALTH	211,184 68,553	53,1
Dept of Health and Human Services	Direct	93.393	1R21CA226579-01A1	NATIONAL CANCER INST	163,035	55,
Dept of Health and Human Services	Direct	93.393	R01CA226690	NATIONAL INST OF HEALTH	240,538	39,
Dept of Health and Human Services	Direct	93.393	RCA175088B	NATIONAL INST OF HEALTH	237,419	14,
Dept of Health and Human Services	Direct	93.394	1R01CA239187-01 REVISED	NATIONAL INST OF HEALTH	347,463	
Dept of Health and Human Services Dept of Health and Human Services	Direct	93.394	7R01CA135650-09 Revised R01CA182043	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	(4,156)	4,
Dept of Health and Human Services Dept of Health and Human Services	Direct Direct	93.394 93.395	R01CA182043 5R01CA193706-04	NATIONALINST OF HEALTH	649,811 282,779	107,
Dept of Health and Human Services	Direct	93.395	R21CA216867	NATIONAL LINST OF HEALTH NATIONAL CANCER INST	120,086	50,0
Dept of Health and Human Services	Direct	93.395	R21CA240875	NATIONAL INST OF HEALTH	101,883	,
Dept of Health and Human Services	Direct	93.396	5R01CA188305-04	NATIONAL INST OF HEALTH	224,721	
Dept of Health and Human Services	Direct	93.396	R01CA172895	NATIONAL INST OF HEALTH	121,765	
Dept of Health and Human Services	Direct	93.396	R01CA197398	NATIONAL INST OF HEALTH	456,375	235,
Dept of Health and Human Services Dept of Health and Human Services	Direct Direct	93.398 93.583	5K22CA188149-03 3R33NS099416-03S1	NATIONAL INST OF HEALTH NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	7,886 134,845	82,
Dept of Health and Human Services	Direct	93.837	1R61HL144896-01A1	NATIONAL HEART LUNG AND BLOOD INST	278,804	82, 50,
Dept of Health and Human Services	Direct	93.837	4R00HL121073-03	NATIONAL INST OF HEALTH	(5,765)	50,
Dept of Health and Human Services	Direct	93.837	5P01HL070687-12	NATIONAL HEART LUNG AND BLOOD INST	42,495	
Dept of Health and Human Services	Direct	93.837	5P01HL070687-12	NATIONAL HEART LUNG AND BLOOD INST	57,365	
Dept of Health and Human Services	Direct	93.837	5P01HL070687-12	NATIONAL HEART LUNG AND BLOOD INST	66,979	
Dept of Health and Human Services Dept of Health and Human Services	Direct	93.837 93.837	5P01HL070687-12 5P01HL070687-12	NATIONAL HEART LUNG AND BLOOD INST NATIONAL HEART LUNG AND BLOOD INST	113,124 214,973	
Dept of Health and Human Services Dept of Health and Human Services	Direct	93.837 93.837	5P01HL070687-12 5P01HL070687-12	NATIONAL HEART LUNG AND BLOOD INST	214,973 216,014	
Dept of Health and Human Services	Direct	93.837	5P01HL070687-12	NATIONAL HEART LUNG AND BLOOD INST	237,301	
Dept of Health and Human Services	Direct	93.837	5R00HL121160-05	NATIONAL INST OF HEALTH	18,935	
Dept of Health and Human Services	Direct	93.837	5R01HL117847-04	NATIONAL INST OF HEALTH	3,445	
Dept of Health and Human Services	Direct	93.837	5R01HL122223-05	NATIONAL INST OF HEALTH	187,093	
Dept of Health and Human Services	Direct	93.837	5R01HL128628-06 5R01HL130624 - 04	NATIONAL INST OF HEALTH	327,795	31,
Dept of Health and Human Services Dept of Health and Human Services	Direct Direct	93.837 93.837	5R01HL130624 - 04 5R01HL137694-03	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	30,926 382,566	31 12
Dept of Health and Human Services	Direct	93.837	5R25HL103156-08	NATIONALINST OF HEALTH	92,890	12,
Dept of Health and Human Services	Direct	93.837	5R25HL140319-02	NATIONAL HEART LUNG AND BLOOD INST	172,790	
Dept of Health and Human Services	Direct	93.837	7K01HL135464-03	NATIONAL HEART LUNG AND BLOOD INST	140,061	
Dept of Health and Human Services	Direct	93.837	K01HL128843	NATIONAL HEART LUNG AND BLOOD INST	133,567	
Dept of Health and Human Services	Direct	93.837	R01HL134841	NATIONAL INST OF HEALTH	491,859	367,

	Direct/	CFDA			Total	Subsured
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Subaward Payments
ESEARCH AND DEVELOPMENT CLUSTER (CON IS Dept of Health and Human Services	Direct	93.837	R01HL146470	NATIONAL INST OF HEALTH	\$ 97,584	\$-
S Dept of Health and Human Services	Direct	93.837	R01HL151413	NATIONAL INST OF HEALTH	19,038	÷ -
IS Dept of Health and Human Services	Direct	93.837	R56HL109327	NATIONAL HEART LUNG AND BLOOD INST	295,573	62,047
IS Dept of Health and Human Services	Direct	93.846	1U01AR075470-01	NATIONAL INST OF HEALTH	145,058	12,427
IS Dept of Health and Human Services	Direct	93.846	5F30AR071201-03	NATIONAL INST OF HEALTH	34,616	-
IS Dept of Health and Human Services	Direct	93.846	7R21AR073544-03	NATIONAL INST OF ARTHRITIS AND MUSCULOSKELETAL AND SKIN DISEASES	124,300	-
JS Dept of Health and Human Services	Direct	93.847	1R01DK121272-01A1	NATIONAL INST OF HEALTH	193,762	20,152
JS Dept of Health and Human Services	Direct	93.847	2R01DK103808-06	NATIONAL INST OF HEALTH	303,648	-
JS Dept of Health and Human Services	Direct	93.847	3R01DK103723-0551	NATIONAL INST OF HEALTH	47,777	-
JS Dept of Health and Human Services JS Dept of Health and Human Services	Direct	93.847 93.847	3R01DK108798-0251 3R01DK110665-0251	NATIONAL INST DIABETES AND DIGESTIVE AND KIDNEY DISEASES NATIONAL INST DIABETES AND DIGESTIVE AND KIDNEY DISEASES	6,576 34,172	-
JS Dept of Health and Human Services	Direct Direct	93.847	5K01DK110865-0251 5K01DK103840-06	NATIONAL INST DIABETES AND DIGESTIVE AND KIDNET DISEASES	130,392	-
JS Dept of Health and Human Services	Direct	93.847	5R01DK073566 - 09	NATIONAL INST OF HEALTH	150,552	-
US Dept of Health and Human Services	Direct	93.847	5R01DK103723	NATIONAL INST OF HEALTH	176,733	26,775
US Dept of Health and Human Services	Direct	93.847	5R01DK103759-04 Revised	NATIONAL INST OF HEALTH	59,665	-
US Dept of Health and Human Services	Direct	93.847	5R01DK103808 - 05	NATIONAL INST OF HEALTH	64,690	-
JS Dept of Health and Human Services	Direct	93.847	5R01DK105099-04 Revised	NATIONAL INST OF HEALTH	72,128	1,429
JS Dept of Health and Human Services	Direct	93.847	5R01DK105468-06	NATIONAL INST OF HEALTH	373,022	186,026
JS Dept of Health and Human Services	Direct	93.847	5R01DK107697-04	NATIONAL INST OF HEALTH	165,341	13,238
JS Dept of Health and Human Services	Direct	93.847	5R01DK108798-02 Revised	NATIONAL INST OF HEALTH	44,969	-
JS Dept of Health and Human Services	Direct	93.847	5R01DK111475-04	NATIONAL INST OF HEALTH	370,319	-
JS Dept of Health and Human Services	Direct	93.847	5R01DK112695-03	NATIONAL INST OF HEALTH	249,926	-
JS Dept of Health and Human Services	Direct	93.847	F30DK124987	NATIONAL INST OF HEALTH	6,081	-
JS Dept of Health and Human Services JS Dept of Health and Human Services	Direct Direct	93.847 93.847	R01DK105503 R01DK110665	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	337,925 469,025	230,489 40,008
JS Dept of Health and Human Services	Direct	93.847	R01DK110665	NATIONALINST OF HEALTH	345,842	40,008
JS Dept of Health and Human Services		93.847	R01DK119815		302,089	
JS Dept of Health and Human Services JS Dept of Health and Human Services	Direct Direct	93.847 93.847	R01DK120289 R01DK120862	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	302,089 423,264	55,715
JS Dept of Health and Human Services JS Dept of Health and Human Services	Direct	93.847 93.847	R01DK120862 RDK103723A	NATIONALINST OF HEALTH	423,264 12,439	-
US Dept of Health and Human Services	Direct	93.847 93.853	RDK103723A 1R01NS107451-01A1S1	NATIONAL INST OF HEALTH NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	12,439	-
US Dept of Health and Human Services	Direct	93.853	1R21NS111333-01A1	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	207,097	10,384
US Dept of Health and Human Services	Direct	93.853	1R21NS116496-01	NATIONAL INST OF HEALTH	44,511	- 10,384
US Dept of Health and Human Services	Direct	93.853	1R61NS111347-01A1	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	23,492	-
US Dept of Health and Human Services	Direct	93.853	1R61NS111347-01A1	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	107,963	-
US Dept of Health and Human Services	Direct	93.853	5R00NS096108-04	NATIONAL INST OF HEALTH	47,446	-
US Dept of Health and Human Services	Direct	93.853	5R00NS096108-04	NATIONAL INST OF HEALTH	105,978	-
US Dept of Health and Human Services	Direct	93.853	5R01NS098231-03	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	439,664	61,516
US Dept of Health and Human Services	Direct	93.853	5R01NS107451-02	NATIONAL INST OF HEALTH	313,674	30,557
US Dept of Health and Human Services	Direct	93.853	5R21NS094900-02 Revised	NATIONAL INST OF HEALTH	(8,343)	-
US Dept of Health and Human Services	Direct	93.853	5R21NS096637-02	NATIONAL INST OF HEALTH	(25,075)	(22,414)
US Dept of Health and Human Services	Direct	93.853	5R21NS098079-02	NATIONAL INST OF HEALTH	(2,566)	
US Dept of Health and Human Services	Direct	93.853	5R21NS098173-02 Revised	NATIONAL INST OF HEALTH	54,892	-
US Dept of Health and Human Services	Direct	93.853	5R21NS099632-02 Revised	NATIONAL INST OF HEALTH	7,630	-
US Dept of Health and Human Services	Direct	93.853	K23NS112463	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	37,858	-
US Dept of Health and Human Services	Direct	93.853	R01NS045195	NATIONAL INST OF HEALTH	168,082	-
US Dept of Health and Human Services	Direct	93.853	R01NS072171	NATIONAL INST OF NEUROLOGICAL DISORDERS AND STROKES	495,807	24,450
US Dept of Health and Human Services	Direct	93.853	R01NS094460	NATIONAL INST OF HEALTH	407,574	203,085
US Dept of Health and Human Services	Direct	93.853	R01NS104306	NATIONAL INST OF HEALTH	275,742	-
US Dept of Health and Human Services	Direct	93.853	R01NS105826	NATIONAL INST OF HEALTH	407,562	-
US Dept of Health and Human Services	Direct	93.853	R01NS105888	NATIONAL INST OF HEALTH	541,793	285,795
US Dept of Health and Human Services	Direct	93.853	R01NS110398	NATIONAL INST OF HEALTH	539,545	206,054
US Dept of Health and Human Services	Direct	93.853	R21NS098173-S1	NATIONAL INST OF HEALTH	11,720	-
US Dept of Health and Human Services	Direct	93.853	R33NS099416	NATIONAL INST OF HEALTH	463,348	153,539
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.853 93.855	UF1NS115817 1R01AI121178-01A1	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	21,743 98,715	-
US Dept of Health and Human Services	Direct	93.855	1R01AI121178-01A1	NATIONAL INST OF HEALTH	127,357	-
US Dept of Health and Human Services	Direct	93.855	1R01AI121178-01A1	NATIONAL INST OF HEALTH	387,078	
US Dept of Health and Human Services	Direct	93.855	1R01AI121178-01A1 1R01AI145504-01A1	NATIONAL INST OF HEALTH	124,988	
US Dept of Health and Human Services	Direct	93.855	1R01AI145925-01	NATIONAL INST OF HEALTH	100,112	_
US Dept of Health and Human Services	Direct	93.855	1R01AI147634-01	NATIONAL INST OF HEALTH	157,492	_
US Dept of Health and Human Services	Direct	93.855	1R21AI138707-01	NATIONAL INST OF HEALTH	33,664	_
US Dept of Health and Human Services	Direct	93.855	1R21AI138707-01	NATIONAL INST OF HEALTH	50,489	-
US Dept of Health and Human Services	Direct	93.855	1R21AI144395-01	NATIONAL INST OF HEALTH	110,987	-
US Dept of Health and Human Services	Direct	93.855	1R21AI144395-01	NATIONAL INST OF HEALTH	144,689	-
US Dept of Health and Human Services	Direct	93.855	1R21AI144504-01	NATIONAL INST OF HEALTH	93,667	-
US Dept of Health and Human Services	Direct	93.855	1R21AI146504-01A1	NATIONAL INST OF HEALTH	39,774	-
US Dept of Health and Human Services	Direct	93.855	1R21AI148909-01	NATIONAL INST OF HEALTH	4,853	-
US Dept of Health and Human Services	Direct	93.855	1R21AI148961-01	NATIONAL INST OF HEALTH	34,356	-
US Dept of Health and Human Services	Direct	93.855	3U19AI089683-1051	NATIONAL INST OF ALLERGY AND INFECTIOUS DISEASES	440,687	420,879
US Dept of Health and Human Services	Direct	93.855	4R01AI048758-17	NATIONAL INST OF HEALTH	9,519	-
US Dept of Health and Human Services	Direct	93.855	5R01AI113257-04	NATIONAL INST OF HEALTH	88,826	13,122
US Dept of Health and Human Services	Direct	93.855	5R01AI120189-03	NATIONAL INST OF HEALTH	8,482	-
US Dept of Health and Human Services	Direct	93.855	5R03AI130554-02	NATIONAL INST OF HEALTH	24,052	-
US Dept of Health and Human Services	Direct	93.855	5R21AI121748-02	NATIONAL INST OF HEALTH	(29,346)	-
US Dept of Health and Human Services	Direct	93.855	5R21AI122808-02	NATIONAL INST OF HEALTH	11	-
US Dept of Health and Human Services	Direct	93.855	5R21AI122863-02 Revised	NATIONAL INST OF HEALTH	119,585	-
US Dept of Health and Human Services	Direct	93.855	5R21AI133094-02	NATIONAL INST OF HEALTH	161,106	112,319
US Dept of Health and Human Services	Direct	93.855	5R21AI17018-02	NATIONAL INST OF HEALTH	(223)	-
US Dept of Health and Human Services	Direct	93.855	5U01AI126610-04	NATIONAL INST OF HEALTH	1,452,256	973,180
US Dept of Health and Human Services	Direct	93.855	R01AI047153 (P)	NATIONAL INST OF HEALTH	366,884	-
US Dept of Health and Human Services	Direct	93.855	R01AI116605	NATIONAL INST OF HEALTH	314,227	102,948
US Dept of Health and Human Services	Direct	93.855	R01AI139039	NATIONAL INST OF HEALTH	293,329	-
US Dept of Health and Human Services	Direct	93.855	R01AI139074	NATIONAL INST OF HEALTH	305,952	-
US Dept of Health and Human Services	Direct	93.855	R01AI146210-01	NATIONAL INST OF HEALTH	163,828	-
US Dept of Health and Human Services	Direct	93.855	R21AI138345	NATIONAL INST OF HEALTH	59,550	-
US Dept of Health and Human Services	Direct	93.855	R21AI140413 (P)	NATIONAL INST OF HEALTH	203,635	-
JS Dept of Health and Human Services	Direct	93.855	R21AI142173	NATIONAL INST OF HEALTH	77,888	-
US Dept of Health and Human Services	Direct	93.855	R21AI142517	NATIONAL INST OF HEALTH	94,268	-
US Dept of Health and Human Services	Direct	93.855	R21AI148909	NATIONAL INST OF HEALTH	8,856	-
US Dept of Health and Human Services	Direct	93.855	R21AI152554	NATIONAL INST OF HEALTH	603	-
US Dept of Health and Human Services	Direct	93.855	RAI117018A (P)	NATIONAL INST OF HEALTH	11,027	-
US Dept of Health and Human Services	Direct	93.855	U19AI089683	NATIONAL INST OF ALLERGY AND INFECTIOUS DISEASES	1,592,827	1,285,080
US Dept of Health and Human Services US Dept of Health and Human Services	Direct	93.859 93.859	1F30GM123632-02 1R01GM121499-01A1	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	4,054 309,389	-

					Year Ended Jur	ne 30, 2020
	Direct/	CFDA			Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
RESEARCH AND DEVELOPMENT CLUSTER (CON	ITINUED)					
US Dept of Health and Human Services	Direct	93.859	1R01GM134307-01	NATIONAL INST OF HEALTH	\$ 299,376	\$ 77,853
US Dept of Health and Human Services	Direct	93.859 93.859	1R25GM132964-01	NATIONAL INST OF HEALTH	182,942 47,012	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.859	2R01GM101353-05 2R01GM115459-4	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	295,905	-
US Dept of Health and Human Services	Direct	93.859	2T32GM110523-06	NATIONAL INST OF HEALTH	129,873	-
US Dept of Health and Human Services	Direct	93.859	3R01GM130794-02S1	NATIONAL INST OF HEALTH	120,973	-
US Dept of Health and Human Services	Direct	93.859	3R35GM126948-02S1	NATIONAL INST OF HEALTH	122,519	-
US Dept of Health and Human Services	Direct	93.859 93.859	4R01GM100908-05 Revised	NATIONAL INST OF MENTAL HEALTH	35,346	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct	93.859	4R01GM101353 - 04 Revised 5R01GM072667-13 Revised	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	(3,720) 169,958	4,687
US Dept of Health and Human Services	Direct	93.859	5R01GM084953-09	NATIONAL INST OF HEALTH	55	
US Dept of Health and Human Services	Direct	93.859	5R01GM101219-06 Revised	NATIONAL INST OF HEALTH	28,785	-
US Dept of Health and Human Services	Direct	93.859	5R01GM104009-04	NATIONAL INST OF HEALTH	(24,185)	-
US Dept of Health and Human Services	Direct	93.859	5R01GM109259-05	NATIONAL INST OF HEALTH	304,166	145,412
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.859 93.859	5R01GM109928-04 5R01GM110185-05	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	387 157,631	
US Dept of Health and Human Services	Direct	93.859	5R01GM110525-04 Revised	NATIONAL INST OF HEALTH	(18,607)	-
US Dept of Health and Human Services	Direct	93.859	5R01GM115459-03 Revised	NATIONAL INST OF HEALTH	(2,182)	3,510
US Dept of Health and Human Services	Direct	93.859	5R01GM115475-04	NATIONAL INST OF HEALTH	167,055	-
US Dept of Health and Human Services	Direct	93.859	5R25GM108593-05	NATIONAL INST OF HEALTH	66,779	29,081
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.859 93.859	5R35GM128765-02 5T32GM110523-05 (P)	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	279,418 84,170	
US Dept of Health and Human Services	Direct	93.859	R00GM120386	NATIONAL INST OF HEALTH	191,956	-
US Dept of Health and Human Services	Direct	93.859	R01GM043585	NATIONAL INST OF HEALTH	207,123	-
US Dept of Health and Human Services	Direct	93.859	R01GM057440	NATIONAL INST OF HEALTH	39,792	-
US Dept of Health and Human Services	Direct	93.859	R01GM063188	NATIONAL INST OF HEALTH	208,403	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.859 93.859	R01GM094534 R01GM101038	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	467,909 457,051	129,836
US Dept of Health and Human Services	Direct	93.859 93.859	R01GM101038 R01GM115373	NATIONALINST OF HEALTH NATIONALINST OF HEALTH	457,051 302,885	1,240
US Dept of Health and Human Services	Direct	93.859	R01GM118685	NATIONAL INST OF HEALTH	244,320	-
US Dept of Health and Human Services	Direct	93.859	R01GM122085	NATIONAL INST OF HEALTH	272,924	141,501
US Dept of Health and Human Services	Direct	93.859	R01GM124137	NATIONAL INST OF HEALTH	254,883	-
US Dept of Health and Human Services	Direct	93.859 93.859	R01GM125743 R01GM125991	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	334,898	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct	93.859	R01GM125991 R01GM125991	NATIONAL INST OF HEALTH	39,060 254,486	45,161
US Dept of Health and Human Services	Direct	93.859	R01GM126189	NATIONAL INST OF HEALTH	254,307	-
US Dept of Health and Human Services	Direct	93.859	R01GM127431	NATIONAL INST OF HEALTH	349,998	10,794
US Dept of Health and Human Services	Direct	93.859	R01GM128959	NATIONAL INST OF HEALTH	65,796	-
US Dept of Health and Human Services	Direct Direct	93.859 93.859	R01GM128959 R01GM129004	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	144,466 157,352	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct	93.859	R01GM129004 R01GM130641	NATIONAL INST OF HEALTH	157,352	
US Dept of Health and Human Services	Direct	93.859	R01GM130794	NATIONAL INST OF HEALTH	326,426	-
US Dept of Health and Human Services	Direct	93.859	R01GM131398	NATIONAL INST OF HEALTH	37,471	-
US Dept of Health and Human Services	Direct	93.859	R01GM131398	NATIONAL INST OF HEALTH	299,254	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.859 93.859	R01GM132490 R01GM135929	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	148,843 41,302	- 19,875
US Dept of Health and Human Services	Direct	93.859	R35GM126948	NATIONAL INST OF HEALTH	376,076	- 15,875
US Dept of Health and Human Services	Direct	93.859	R35GM131759	NATIONAL INST OF HEALTH	275,759	-
US Dept of Health and Human Services	Direct	93.859	R35GM131762	NATIONAL INST OF HEALTH	307,131	-
US Dept of Health and Human Services	Direct	93.859	RGM108593A	NATIONAL INST OF HEALTH	13,793	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.865 93.865	1R03HD097085-01 1R21HD090406-01A1	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	87,429 161,279	- 25,754
US Dept of Health and Human Services	Direct	93.865	1R21HD097609-01	NATIONAL INST OF HEALTH	175,067	8,578
US Dept of Health and Human Services	Direct	93.865	1R21HD098588-01	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	36,975	-
US Dept of Health and Human Services	Direct	93.865	1R21HD099383-01	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	106,848	-
US Dept of Health and Human Services	Direct	93.865	3R21HD088169-02S1	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	115,863	94,829
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.865 93.865	5R01HD072968-05 Revised 5R01HD075903-05 Revised	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	(391) 59,222	- 10,930
US Dept of Health and Human Services	Direct	93.865	5R01HD084377-04	NATIONAL INST OF HEALTH	442,482	169,505
US Dept of Health and Human Services	Direct	93.865	5R01HD084494 - 04	NATIONAL INST OF HEALTH	153	-
US Dept of Health and Human Services	Direct	93.865	5R01HD085990-04	NATIONAL INST OF HEALTH	745,478	274,230
US Dept of Health and Human Services	Direct	93.865	5R21HD083058-02	NATIONAL INST OF HEALTH	106,201	-
US Dept of Health and Human Services	Direct	93.865 93.865	5R21HD088169-02	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	95,940	87,443
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.865 93.865	5R21HD091429-02 F32HD098780	NATIONALINST OF HEALTH NATIONALINST OF HEALTH	122,904 50,004	-
US Dept of Health and Human Services	Direct	93.865	R00HD084759 (P)	NATIONAL INST OF HEALTH	160,730	-
US Dept of Health and Human Services	Direct	93.865	R01HD042280	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	319,870	19,091
US Dept of Health and Human Services	Direct	93.865	R01HD072968	NATIONAL INST OF HEALTH	334,850	-
US Dept of Health and Human Services	Direct	93.865	R01HD083273	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	309,703	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.865 93.865	R01HD084478 R01HD084494-05	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT NATIONAL INST OF HEALTH	205,206 232,416	-
US Dept of Health and Human Services	Direct	93.865	R01HD086062	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	234,643	-
US Dept of Health and Human Services	Direct	93.865	R01HD093334	NATIONAL INST OF HEALTH	607,673	409,595
US Dept of Health and Human Services	Direct	93.865	R01HD094842	NATIONAL INST OF HEALTH	609,464	325,839
US Dept of Health and Human Services	Direct	93.865	R01HD095371	NATIONAL INST OF HEALTH	269,867	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.865 93.865	R01HD095951 R01HD096033	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	226,983 83,708	57,939 27,814
US Dept of Health and Human Services US Dept of Health and Human Services	Direct	93.865	R01HD096033 R01HD096259	NATIONALINST OF HEALTH NATIONALINST OF HEALTH	501,019	27,814 31,393
US Dept of Health and Human Services	Direct	93.865	R01HD098027	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	719,164	313,308
US Dept of Health and Human Services	Direct	93.865	R03HD091640	NATIONAL INST OF HEALTH	41,789	1,555
US Dept of Health and Human Services	Direct	93.865	R03HD096141	NATIONAL INST OF HEALTH	82,244	42,127
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.865 93.865	R21HD096358 R21HD100959	NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT	148,475 101,685	96,525
US Dept of Health and Human Services	Direct	93.865	1R21AG061306-01	NATIONAL INST OF CHILD HEALTH AND HOMAN DEVELOPMENT NATIONAL INST OF HEALTH	46,698	-
US Dept of Health and Human Services	Direct	93.866	1R21AG065712-01	NATIONALINST OF HEALTH	80,960	-
US Dept of Health and Human Services	Direct	93.866	1RA56AG0523328-01A1 Revised	NATIONAL INST OF HEALTH	5,271	-
US Dept of Health and Human Services	Direct	93.866	5K01AG043417-03	NATIONAL INST ON AGING	26,831	-
US Dept of Health and Human Services	Direct	93.866	5R01AG044372-05	NATIONAL INST OF HEALTH	75,573	-
US Dept of Health and Human Services	Direct Direct	93.866 93.866	5R01AG051500-05 5R03AG054705-02	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	736,536 13,216	307,977
US Dept of Health and Human Services US Dept of Health and Human Services	Direct	93.866	5R03AG054705-02 5R21AG053581-02	NATIONALINST OF HEALTH	13,216	-
US Dept of Health and Human Services	Direct	93.866	NIH-R21AG054960	NATIONALINST OF ILLALITI	84,694	39,523
			R01AG060731	NATIONAL INST OF HEALTH	384,171	
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.866 93.866	R01AG060751 R01AG061118	NATIONAL INST OF HEALTH	154,818	-

					Year Ended Jun	ne 30, 2020
	Direct/	CFDA			Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
RESEARCH AND DEVELOPMENT CLUSTER (CON	TINUED)					
US Dept of Health and Human Services	Direct	93.866	R01AG062217	NATIONAL INST OF HEALTH	\$ 541,655	\$-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.866 93.866	R01AG062435 R01AG066223	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	266,703 4,714	-
US Dept of Health and Human Services	Direct	93.866	R01AG066223	NATIONAL INST OF HEALTH	299,852	
US Dept of Health and Human Services	Direct	93.866	R01AG067762	NATIONAL INST OF HEALTH	23,253	-
US Dept of Health and Human Services	Direct	93.866	R03AG062936	NATIONAL INST OF HEALTH	40,197	-
US Dept of Health and Human Services	Direct	93.866	R21AG057951	NATIONAL INST OF HEALTH	132,694	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct	93.866 93.867	R21AG067400 5R01EY016077	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	23,282 14,882	-
US Dept of Health and Human Services	Direct	93.867	5R01EY016077	NATIONAL INST OF HEALTH	249,426	- 89,872
US Dept of Health and Human Services	Direct	93.867	R01EY025752	NATIONAL INST OF HEALTH	598,721	117,552
US Dept of Health and Human Services	Direct	93.867	R01EY028049	NATIONAL INST OF HEALTH	284,375	-
US Dept of Health and Human Services	Direct	93.867	R01EY030766	NATIONAL INST OF HEALTH	329,841	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.867 93.879	R24EY027285 1R01LM012848-01	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	1,086,305 4,324	670,967 2,790
US Dept of Health and Human Services	Direct	93.989	5D43TW009639-05	FOGARTY INTL CENTER	46,921	2,750
US Dept of Health and Human Services	Direct	93.989	5K01TW009654-02	FOGARTY INTL CENTER	78,996	18,928
US Dept of Health and Human Services	Direct	93.989	5R21TW010896	NATIONAL INST OF HEALTH	84,700	70,710
US Dept of Health and Human Services	Direct	93.989	5R21TW010896-02S2	NATIONAL INST OF HEALTH	43,309	14,269
US Dept of Health and Human Services	Direct	93.989	R21TW011339	NATIONAL INST OF HEALTH	89,406 71,167,111	- 14,731,216
US Dept of Health and Human Services	Direct Total Pass-through	93.RD	17RWSK002	VENTUREWELL	6,961	- 14,/51,210
US Dept of Health and Human Services	Pass-through	93.RD	E1A11	NRG ONCOLOGY	3,387	-
US Dept of Health and Human Services	Pass-through	93.RD	EAY-131	NRG ONCOLOGY	6	-
US Dept of Health and Human Services	Pass-through	93.RD	NCT02775383	NRG ONCOLOGY	(988)	-
US Dept of Health and Human Services	Pass-through	93.RD	R43AG060886	HESPEROS INC	20,180	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.RD 93.070	S1418/BR006 E20191311-00	NRG ONCOLOGY MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	(1,648) 31,470	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.070	E20191311-00 E20201301-00 E	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	24,742	-
US Dept of Health and Human Services	Pass-through	93.084	723K866	UNIVERSITY OF WISCONSIN	371,828	-
US Dept of Health and Human Services	Pass-through	93.110	SUBK00009095	UNIVERSITY OF MICHIGAN	5,986	-
US Dept of Health and Human Services	Pass-through	93.113	1009036_MSU	OREGON HEALTH SCIENCES UNIV	96,893	-
US Dept of Health and Human Services	Pass-through	93.113	3004687116	UNIVERSITY OF MICHIGAN	11,013	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.113 93.113	3RBB7 7151-MS-Y01	UNIVERSITY OF NEW MEXICO SILENT SPRING INST	150,869 45,686	-
US Dept of Health and Human Services	Pass-through	93.113	796K305	UNIVERSITY OF WISCONSIN	43,885	13,484
US Dept of Health and Human Services	Pass-through	93.117	18-3637	UNIVERSITY OF SOUTH CAROLINA	17,018	-
US Dept of Health and Human Services	Pass-through	93.121	56437	UNIVERSITY OF DELAWARE	17,906	
US Dept of Health and Human Services	Pass-through	93.121	576283	UNIVERSITY OF PENNSYLVANIA	466	-
US Dept of Health and Human Services	Pass-through	93.121	S00426-01	UNIVERSITY OF IOWA	(13,363)	-
US Dept of Health and Human Services	Pass-through	93.121 93.121	S01206-01 SUBK00008454	UNIVERSITY OF IOWA UNIVERSITY OF MICHIGAN	158,737	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.121	SUBK00009677	UNIVERSITY OF MICHIGAN	50,731 48,959	-
US Dept of Health and Human Services	Pass-through	93.136	WSU19004	WAYNE STATE UNIV	45,176	-
US Dept of Health and Human Services	Pass-through	93.136	WSU20029	WAYNE STATE UNIV	68,195	-
US Dept of Health and Human Services	Pass-through	93.173	18-0527	BRIGHAM YOUNG UNIV	31,692	-
US Dept of Health and Human Services	Pass-through	93.173	3004138691	UNIVERSITY OF MICHIGAN	379,388	-
US Dept of Health and Human Services	Pass-through	93.173	3004261216	UNIVERSITY OF MICHIGAN	3,532	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.173 93.173	55543 60051342	UNIVERSITY OF DELAWARE OHIO STATE UNIV	94,379 130,071	-
US Dept of Health and Human Services	Pass-through	93.173	800198	DREXEL UNIV	1,722	-
US Dept of Health and Human Services	Pass-through	93.173	82910	SHIRLEY RYAN ABILITYLAB	34,692	-
US Dept of Health and Human Services	Pass-through	93.173	AWD00002105 (134178-1)	UNIVERSITY OF PITTSBURGH	36,716	-
US Dept of Health and Human Services	Pass-through	93.173	BL-4633518-MSU	INDIANA UNIV	114,190	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.173 93.173	CNVA0044466 (125619-1) VUMC56181	UNIVERSITY OF PITTSBURGH VANDERBILT UNIV	14,279 (975)	-
US Dept of Health and Human Services	Pass-through	93.213	00001330	BROWN UNIV	8,680	-
US Dept of Health and Human Services	Pass-through	93.213	85493-Z0283201	UNIVERSITY OF MARYLAND	41,625	-
US Dept of Health and Human Services	Pass-through	93.226	FY17.688.002	UNIVERSITY OF COLORADO DENVER	19,980	-
US Dept of Health and Human Services	Pass-through	93.242	00001259	BROWN UNIV	24,834	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.242 93.242	0255-4061-4609 18-A0-00-1001852	MOUNT SINAI MEDICAL CENTER NEW YORK UNIV	22,591 6,474	-
US Dept of Health and Human Services	Pass-through	93.242	5001421	BUTI FR HOSPITAL	16,906	
US Dept of Health and Human Services	Pass-through	93.242	5110592	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	53,973	-
US Dept of Health and Human Services	Pass-through	93.242	5-27254	SCRIPPS RESEARCH INST	52,986	-
US Dept of Health and Human Services	Pass-through	93.242	A20-05857-S001	UNIVERSITY OF CALIFORNIA DAVIS	2,449	-
US Dept of Health and Human Services	Pass-through	93.242	E2049281	GEORGE MASON UNIV	92,450	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.242 93.242	FP00004867_SA001 WSU16128	VIRGINIA COMMONWEALTH UNIV WAYNE STATE UNIV	(1,478) (1,187)	-
US Dept of Health and Human Services	Pass-through	93.242	192734-AWARE19	MICHIGAN DEPT OF EDUCATION	21,593	-
US Dept of Health and Human Services	Pass-through	93.243	1H79TI080350-01	FLINT ODYSSEY HOUSE HEALTH AWARENESS CENTER	13,080	-
US Dept of Health and Human Services	Pass-through	93.262	S00452-01	UNIVERSITY OF IOWA	8,256	-
US Dept of Health and Human Services	Pass-through	93.273	9053-8349	BUTLER HOSPITAL	14,369	-
US Dept of Health and Human Services	Pass-through Pass-through	93.273	UAF 20-0027	UNIVERSITY OF ALASKA	51,244	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.279 93.279	18-023 19-84521	UNIVERSITY OF TEXAS MEDICAL BRANCH UNIVERSITY OF TEXAS MEDICAL BRANCH	72,526 8,251	
US Dept of Health and Human Services	Pass-through	93.279	FP00003327_SA004	VIRGINIA COMMONWEALTH UNIV	19,180	-
US Dept of Health and Human Services	Pass-through	93.279	UTA17-000881	UNIVERSITY OF TEXAS AT AUSTIN	2,554	-
US Dept of Health and Human Services	Pass-through	93.286	2003719763	JOHNS HOPKINS UNIV	83,326	-
US Dept of Health and Human Services	Pass-through	93.286	SUBK00009663	UNIVERSITY OF MICHIGAN	56,659	-
US Dept of Health and Human Services	Pass-through Pass-through	93.307 93.307	26036A01-04 WSU17108	UNIVERSITY OF CENTRAL FLORIDA WAYNE STATE UNIV	15,379	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.307 93.310	000000267	WAYNE STATE UNIV UNIVERSITY OF WISCONSIN	52,383 18,093	-
US Dept of Health and Human Services	Pass-through	93.310	5111878	UNIVERSITY OF WISCONSIN UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	20,932	-
US Dept of Health and Human Services	Pass-through	93.310	5114833	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	96,484	-
US Dept of Health and Human Services	Pass-through	93.310	FP060906	UNIVERSITY OF CHICAGO	(5,199)	-
US Dept of Health and Human Services	Pass-through	93.310	\$385886	CALIFORNIA INST OF TECHNOLOGY	(15,990)	-
US Dept of Health and Human Services	Pass-through	93.310	SUB00001823	UNIVERSITY OF GEORGIA	905	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.310 93.351	SUB00001823 215720B	UNIVERSITY OF GEORGIA UNIVERSITY OF OREGON	154,801 139,504	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.351	SUBK00010769	UNIVERSITY OF OREGON UNIVERSITY OF MICHIGAN	2,624	-
US Dept of Health and Human Services	Pass-through	93.361	0000977827	FRED HUTCHINSON CANCER RESEARCH CENTER	10,443	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.361 93.393	0001018678 1R01CA237670-01A1	FRED HUTCHINSON CANCER RESEARCH CENTER DANA FABER CANCER INST	9,059 53,703	-

					Year Ended Jur	10 30, 2020
	Direct/	CFDA			Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
RESEARCH AND DEVELOPMENT CLUSTER (CON	ITINUED)					
US Dept of Health and Human Services	Pass-through	93.393	481270	UNIVERSITY OF ARIZONA	\$ 48,462	\$-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.393 93.393	5115142 WSU19079	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL WAYNE STATE UNIV	73,854 27,828	-
US Dept of Health and Human Services	Pass-through	93.394	228473	MASSACHUSETTS GENERAL HOSPITAL	21,204	-
US Dept of Health and Human Services	Pass-through	93.394	750001	PROTEOGENOMICS RESEARCH INST FOR SYSTEMS	93,209	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.395 93.395	233016 450683	MASSACHUSETTS GENERAL HOSPITAL UNIVERSITY OF ARIZONA	185,117 32,550	
US Dept of Health and Human Services	Pass-through	93.395	9500080216-13c	CHILDRENS HOSPITAL OF PHILADELPHIA	10,123	
US Dept of Health and Human Services	Pass-through	93.395	A021502	NRG ONCOLOGY	(19)	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.395 93.397	FP00017458_SUB40_01 3001524217	CHILDRENS HOSPITAL OF PHILADELPHIA UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER	(7) 33,438	-
US Dept of Health and Human Services	Pass-through	93.397	36001068803	UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER	392	-
US Dept of Health and Human Services	Pass-through	93.397	WSU20027	WAYNE STATE UNIV	7,001	-
US Dept of Health and Human Services	Pass-through	93.600	WSU19130	WAYNE STATE UNIV	106,298	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.624 93.624	E20192723-00-AI E20192772-00-AH	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	71,077 129,266	
US Dept of Health and Human Services	Pass-through	93.624	E20203326-00/20200031-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	195,495	-
US Dept of Health and Human Services	Pass-through	93.624	E20203327-00-AJ	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	175,634	-
US Dept of Health and Human Services	Pass-through	93.624 93.810	E20203328-00/20200031-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	41,533 6,069	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.810	E20192091 (L) E20192184(Y)	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	7,845	-
US Dept of Health and Human Services	Pass-through	93.837	0001606876	CEDARS SINAI HEALTH SYSTEM	28,259	-
US Dept of Health and Human Services	Pass-through	93.837	3004463783	UNIVERSITY OF MICHIGAN	123,379	
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.837 93.837	3200001401-18-026 3200002666-20-107	UNIVERSITY OF KENTUCKY UNIVERSITY OF KENTUCKY	12,630 90,634	-
US Dept of Health and Human Services	Pass-through	93.837	N007057801	UNIVERSITY OF MINNESOTA	32,142	-
US Dept of Health and Human Services	Pass-through	93.837	3004463783	UNIVERSITY OF MICHIGAN	(346)	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.837 93.837	WSU15107 WU-19-133	WAYNE STATE UNIV WASHINGTON UNIV IN ST LOUIS	(38) 163,873	-
US Dept of Health and Human Services	Pass-through Pass-through	93.837 93.838	1R01HL132321-01A1	UNIVERSITY OF MEMPHIS	78,024	-
US Dept of Health and Human Services	Pass-through	93.838	540544	UNIVERSITY OF MEMPHIS	194,849	-
US Dept of Health and Human Services	Pass-through	93.839	14-001	ALL CHILDRENS RESEARCH INST INC	1,456	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.846 93.846	000514824-SP004-003 000514824-SP004-SC003	UNIVERSITY OF ALABAMA AT BIRMINGHAM UNIVERSITY OF ALABAMA AT BIRMINGHAM	20,079 5,050	
US Dept of Health and Human Services	Pass-through	93.847	17-A1-00-007381-01	NEW YORK UNIV SCHOOL OF MEDICINE	23,225	-
US Dept of Health and Human Services	Pass-through	93.847	5116414	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	22,377	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through	93.847 93.847	60069375 AWD100466 (SUB0000162)	OHIO STATE UNIV UNIVERSITY OF CHICAGO	4,985 207,543	-
US Dept of Health and Human Services	Pass-through Pass-through	93.847	SUBK00010651	MDRC	207,543 26,024	
US Dept of Health and Human Services	Pass-through	93.847	UTA19-001577	UNIVERSITY OF TEXAS AT AUSTIN	62,212	-
US Dept of Health and Human Services	Pass-through	93.853	1(GG015025-01)	COLUMBIA UNIV	53,174	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.853 93.853	17546-00 235227	UNIVERSITY OF ILLINOIS CHICAGO MASSACHUSETTS GENERAL HOSPITAL	286,211 4,971	-
US Dept of Health and Human Services	Pass-through	93.853	416854	UNIVERSITY OF ROCHESTER	4,136	-
US Dept of Health and Human Services	Pass-through	93.853	417168	UNIVERSITY OF ROCHESTER	21,288	-
US Dept of Health and Human Services	Pass-through Pass-through	93.853 93.853	7000000711 7357	BAYLOR COLLEGE OF MEDICINE UNIVERSITY OF ILLINOIS CHICAGO	126,113 (1,413)	
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through	93.853	PG19-61068-01	UNIVERSITY OF ILLINOIS CHICAGO	1,736	
US Dept of Health and Human Services	Pass-through	93.853	PG20-61098-01	UNIVERSITY OF MONTANA	14,877	-
US Dept of Health and Human Services	Pass-through	93.853	PSG 186	MASSACHUSETTS GENERAL HOSPITAL	5,682	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.853 93.855	V3535-1 2(GG011631-02)	VAN ANDEL RESEARCH INST COLUMBIA UNIV	652 1,225	-
US Dept of Health and Human Services	Pass-through	93.855	2(GG011631-13)	COLUMBIA UNIV	10,399	-
US Dept of Health and Human Services	Pass-through	93.855	2R44AI112164-05-MSU	VISIONQUEST BIOMEDICAL LLC	25,281	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.855 93.855	3200000654-17-016 540478	UNIVERSITY OF KENTUCKY UNIVERSITY OF MEMPHIS	140 40,430	-
US Dept of Health and Human Services	Pass-through	93.855	B23829MSU	HENRY FORD HEALTH SYSTEM	20,691	-
US Dept of Health and Human Services	Pass-through	93.855	GR106287 (CON-80001799)	YALE UNIV	162,184	-
US Dept of Health and Human Services	Pass-through	93.855	R41AI143098-01A1	THERAPEUTIC SYSTEMS RESEARCH LABORATORIES INC	142,908	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.855 93.855	1275 SUBK00009134	RUTGERS UNIV UNIVERSITY OF MICHIGAN	8,092 76,084	
US Dept of Health and Human Services	Pass-through	93.855	VUMC63296	VANDERBILT UNIV	122,479	-
US Dept of Health and Human Services	Pass-through	93.859	0051314 (126984-2)	UNIVERSITY OF PITTSBURGH	22,235	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.859 93.859	60067850 F63600	OHIO STATE UNIV CENTRAL MICHIGAN UNIV	360 1,040	-
US Dept of Health and Human Services	Pass-through	93.859	S-001206	UNIVERSITY OF CALIFORNIA RIVERSIDE	5,547	
US Dept of Health and Human Services	Pass-through	93.859	SP00013312-01	GEORGIA STATE UNIV	68,639	-
US Dept of Health and Human Services	Pass-through	93.865	18-A1-00-1001408	NEW YORK UNIV SCHOOL OF MEDICINE	248,124	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.865 93.865	1R43HD097904-01-MSU 5112242	CRADLE GENOMICS UNIVERSITY OF NORTH CAROLINA	18,226 18,185	-
US Dept of Health and Human Services	Pass-through	93.865	800009636-02UG	FLORIDA INTL UNIV	1,971	
US Dept of Health and Human Services	Pass-through	93.865	9922sc	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	72,471	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.865 93.865	GC10075-00-05 OSP22227-00	DARTMOUTH HITCHCOCK MEDICAL CENTER UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL	35,565 23,216	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.865 93.865	OSP22227-00 R-16-0019	UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL UNIVERSITY OF HOUSTON	23,216 298	-
US Dept of Health and Human Services	Pass-through	93.865	RNG200543-02 (2680-2828)	KAISER PERMANENTE	12,720	-
US Dept of Health and Human Services	Pass-through	93.865	SUBK00010325	UNIVERSITY OF MICHIGAN	12,676	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.865 93.865	VUMC67407 ZAC000A0	VANDERBILT UNIV MEDICAL CENTER UNIV OF KANSAS MEDICAL CENTER RESEARCH INST INC	113,381 36,954	-
US Dept of Health and Human Services	Pass-through	93.866	00326063	CAYMAN CHEMICAL CO INC	19,018	-
US Dept of Health and Human Services	Pass-through	93.866	1032114-MSU	DIGNITY HEALTH	169,862	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.866 93.866	1136054-76472 160236	RESEARCH FOUNDATION OF SUNY UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	14,140 125,109	-
US Dept of Health and Human Services	Pass-through Pass-through	93.866	3004127215	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER UNIVERSITY OF MICHIGAN	36,528	
US Dept of Health and Human Services	Pass-through	93.866	6118-1080-00-A	UNIVERSITY OF SOUTH FLORIDA	473,875	-
US Dept of Health and Human Services	Pass-through	93.866	FY2019-089	UNIV OF KANSAS MEDICAL CENTER RESEARCH INST INC	26,927	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.866 93.866	GMO 181212 GR107803 (CON-80001971)	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER YALE UNIV	91,798 36,190	
US Dept of Health and Human Services	Pass-through	93.866	GVSU-207041-02	GRAND VALLEY STATE UNIV	32,550	-
US Dept of Health and Human Services	Pass-through	93.866	GVSU-207042-01	GRAND VALLEY STATE UNIV	16,275	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.866 93.866	H-1R44AG058330-01 S-1R41AH058283-01	HESPEROS INC STARWISE THERAPEUTICS LLC	87,963 4	-
US Dept of Health and Human Services	Pass-through Pass-through	93.866	S-1R41AH058283-01 SUBK00007878	UNIVERSITY OF MICHIGAN	4 8,098	-
US Dept of Health and Human Services	Pass-through	93.866	SUBK00007878	UNIVERSITY OF MICHIGAN	19,595	-

Federal Agency RESEARCH AND DEVELOPMENT CLUSTER (CONTIN US Dept of Health and Human Services US Dept of H	Direct/ Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through	CFDA (Note 5) 93.866 93.866 93.866 93.866 93.866 93.866 93.867 93.867	Award Number SUBK00007878 SUBK00007977 SUBK00007977 SUBK00011103 SUBK00011775	Grantor Name UNIVERSITY OF MICHIGAN UNIVERSITY OF MICHIGAN UNIVERSITY OF MICHIGAN UNIVERSITY OF MICHIGAN UNIVERSITY OF MICHIGAN	Total Expenditures \$ 27,426 47,240 12,610	Subaward Payments \$ - -
RESEARCH AND DEVELOPMENT CLUSTER (CONTINU US Dept of Health and Human Services US Dept of Health and Human Services	UED) Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through	93.866 93.866 93.866 93.866 93.866 93.866 93.866 93.866 93.866	SUBK00007878 SUBK00007878 SUBK00007977 SUBK00011103 SUBK00011775	UNIVERSITY OF MICHIGAN UNIVERSITY OF MICHIGAN UNIVERSITY OF MICHIGAN UNIVERSITY OF MICHIGAN	\$ 27,426 47,240 12,610	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through	93.866 93.866 93.866 93.866 93.866 93.866 93.866 93.867	SUBK00007878 SUBK00007977 SUBK00001977 SUBK00011103 SUBK00011775	UNIVERSITY OF MICHIGAN UNIVERSITY OF MICHIGAN UNIVERSITY OF MICHIGAN	47,240 12,610	\$
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through	93.866 93.866 93.866 93.866 93.866 93.866 93.866 93.867	SUBK00007878 SUBK00007977 SUBK00001977 SUBK00011103 SUBK00011775	UNIVERSITY OF MICHIGAN UNIVERSITY OF MICHIGAN UNIVERSITY OF MICHIGAN	47,240 12,610	-
JS Dept of Health and Human Services JS Dept of Health and Human Services	Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through	93.866 93.866 93.866 93.866 93.867	SUBK00007977 SUBK00011103 SUBK00011775	UNIVERSITY OF MICHIGAN		
JS Dept of Health and Human Services JS Dept of Health and Human Services	Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through	93.866 93.866 93.866 93.867	SUBK00011103 SUBK00011775			
JS Dept of Health and Human Services JS Dept of Health and Human Services	Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through	93.866 93.866 93.867	SUBK00011775		53,827	-
IS Dept of Health and Human Services IS Dept of Health and Human Services	Pass-through Pass-through Pass-through Pass-through Pass-through Pass-through	93.866 93.867		UNIVERSITY OF MICHIGAN	2,178 9,798	-
IS Dept of Health and Human Services IS Dept of Health and Human Services	Pass-through Pass-through Pass-through Pass-through Pass-through	93.867	UTA18-000523	UNIVERSITY OF MICHIGAN UNIVERSITY OF TEXAS AT AUSTIN	33,822	
IS Dept of Health and Human Services IS Dept of Health and Human Services	Pass-through Pass-through Pass-through Pass-through		000517565-003	UNIVERSITY OF ALABAMA AT BIRMINGHAM	92	
IS Dept of Health and Human Services IS Dept of Health and Human Services	Pass-through Pass-through		000517565-003	UNIVERSITY OF ALABAMA AT BIRMINGHAM	7,204	-
IS Dept of Health and Human Services JS Dept of Health and Human Services	Pass-through	93.867	000518070-002	UNIVERSITY OF ALABAMA AT BIRMINGHAM	16,032	-
JS Dept of Health and Human Services JS Dept of Health and Human Services	-	93.867	1R44EY027654-01A1,	LINEAGE CELL THERAPEUTICS INC	493	-
JS Dept of Health and Human Services JS Dept of Health and Human Services JS Dept of Health and Human Services JS Dept of Health and Human Services		93.867 93.867	2019-3696 3R44EY038027654-02S1	UNIVERSITY OF CALIFORNIA IRVINE BIOTIME INC	316,819 233,309	-
JS Dept of Health and Human Services JS Dept of Health and Human Services JS Dept of Health and Human Services	Pass-through	93.867	4500002464	BOSTON UNIV	17,885	
JS Dept of Health and Human Services	Pass-through	93.867	RES513081	CASE WESTERN RESERVE UNIV	(42,410)	
	Pass-through	93.879	SUB00001942	UNIVERSITY OF FLORIDA	117,740	-
	Pass-through	93.958	E20191310-00-H	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	19,868	
	Pass-through	93.958	E20191314-00-S	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	16,175	-
JS Dept of Health and Human Services	Pass-through	93.958	E20191315-00-AA	MICHIGAN DEPT OF HEALTH AND HUMAAN SERVICES	36,180	
JS Dept of Health and Human Services JS Dept of Health and Human Services	Pass-through Pass-through	93.958 93.958	E20191320-00-AP E20192824-00-U	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	47,297 4,908	
s bept of freath and framan services	Pass-through To		220152824 00 0	MICHIGAN DELT OF HEALTH AND HOMAN SERVICES	9,576,332	13,484
			an Services Total		80,743,443	14,744,700
JS Dept of Homeland Security	Pass-through	97.061	ASUB00000368	ARIZONA STATE UNIV	120,023	28,466
JS Dept of Homeland Security	Pass-through	97.061	E2042937	GEORGE MASON UNIV	120,023	28,400
	Pass-through To				226,172	38,642
	US Dept of Hom		ty Total		226,172	38,642
JS Dept of Interior	Direct	15.RD	140G0119C0009	US GEOLOGICAL SURVEY	211,460	-
JS Dept of Interior	Direct	15.608	F17AP00582	US FISH AND WILDLIFE SERVICE	67,543	-
JS Dept of Interior	Direct	15.608	F18AC00360	US FISH AND WILDLIFE SERVICE	16,636	-
JS Dept of Interior	Direct	15.608	F19AP00229	US FISH AND WILDLIFE SERVICE	52,661	1,894
JS Dept of Interior	Direct	15.608	F19AP00663	US FISH AND WILDLIFE SERVICE	6,698	-
JS Dept of Interior	Direct	15.630	F17AC00989	US DEPT OF THE INTERIOR	1,490	-
JS Dept of Interior	Direct Direct	15.637 15.640	F17AP00743	US FISH AND WILDLIFE SERVICE US FISH AND WILDLIFE SERVICE	12,039 5,420	-
JS Dept of Interior JS Dept of Interior	Direct	15.640	F20AP00147 F20AP00147	US FISH AND WILDLIFE SERVICE	8,390	-
JS Dept of Interior	Direct	15.657	F18AP00536	US FISH AND WILDLIFE SERVICE	2,751	-
JS Dept of Interior	Direct	15.657	F19AC00646	US FISH AND WILDLIFE SERVICE	40,190	-
JS Dept of Interior	Direct	15.662	17AC00774	US FISH AND WILDLIFE SERVICE	115,614	-
JS Dept of Interior	Direct	15.662	F16AP00875	US FISH AND WILDLIFE SERVICE	39,823	-
JS Dept of Interior JS Dept of Interior	Direct Direct	15.662 15.662	F18AC00566 F19AC00653	US DEPT OF THE INTERIOR US DEPT OF THE INTERIOR	168,132 43,309	6,624 1,711
JS Dept of Interior	Direct	15.662	F17AC00575	US FISH AND WILDLIFE SERVICE	43,309 75,777	1,/11
JS Dept of Interior	Direct	15.678	F17AC00981	US FISH AND WILDLIFE SERVICE	1,421	-
JS Dept of Interior	Direct	15.678	F20AC00228	US DEPT OF THE INTERIOR	2,256	-
JS Dept of Interior	Direct	15.805	G16AP00063	US GEOLOGICAL SURVEY	79,091	5,982
US Dept of Interior	Direct	15.808	G15AC00026	US GEOLOGICAL SURVEY	38,319	-
US Dept of Interior	Direct Direct	15.808 15.808	G16AC00116	US GEOLOGICAL SURVEY US GEOLOGICAL SURVEY	18,024	-
US Dept of Interior US Dept of Interior	Direct	15.808	G16AC00244 G16AC00421	US GEOLOGICAL SURVEY	(6) 129,189	-
US Dept of Interior	Direct	15.808	G17AC00148	US GEOLOGICAL SURVEY	4,575	-
JS Dept of Interior	Direct	15.808	G17AC00152	US GEOLOGICAL SURVEY	131,319	-
US Dept of Interior	Direct	15.808	G17AC00385	US GEOLOGICAL SURVEY	6,254	-
US Dept of Interior	Direct	15.808	G17AC00387	US GEOLOGICAL SURVEY	4,527	-
US Dept of Interior	Direct	15.808	G17AC00408	US GEOLOGICAL SURVEY US GEOLOGICAL SURVEY	6,311	-
US Dept of Interior US Dept of Interior	Direct Direct	15.808 15.808	G18AC00153 G19AC00109	US GEOLOGICAL SURVEY	51,296 98,984	-
JS Dept of Interior	Direct	15.811	G17AC00185	US GEOLOGICAL SURVEY	171,653	-
JS Dept of Interior	Direct	15.820	G17AC00291	US GEOLOGICAL SURVEY	201	-
JS Dept of Interior	Direct	15.945	P16AC01326	NATIONAL PARK SERVICE	73,627	-
JS Dept of Interior	Direct	15.945	P17AC01465	NATIONAL PARK SERVICE	18,663	-
JS Dept of Interior	Direct Direct Total	15.945	P19AC00195	NATIONAL PARK SERVICE	57,666	- 16,211
JS Dept of Interior	Pass-through	15.232	15-JV-11242313-115	USDA FOREST SERVICE	8,948	-
JS Dept of Interior	Pass-through	15.232	60064793	OHIO STATE UNIV	22,769	-
JS Dept of Interior	Pass-through	15.608	AISNGL20-001	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	2,016	
JS Dept of Interior	Pass-through	15.608	FISH212020-2	MICHIGAN DEPT OF NATURAL RESOURCES	11,664	-
JS Dept of Interior	Pass-through	15.615	Arkansas Darter	KANSAS DEPT OF WILDLIFE, PARKS AND TOURISM	(3,378)	-
JS Dept of Interior JS Dept of Interior	Pass-through Pass-through	15.639 15.662	F16AP00301 062419-1	SAGINAW CHIPPEWA INDIAN TRIBE OF MICHIGAN THE NATURE CONSERVANCY	93,958 3,783	-
JS Dept of Interior	Pass-through	15.662	20000002900	MICHIGAN DEPT OF NATURAL RESOURCES	95,541	-
JS Dept of Interior	Pass-through	15.670	FO-EWG-2147	NATIONAL COUNCIL FOR AIR & STREAM IMPROVEMENT	12,113	-
JS Dept of Interior	Pass-through	15.818	UAF 19-0068	UNIVERSITY OF ALASKA	5,965	-
JS Dept of Interior	Pass-through	15.820	CMN0000MSU1	COLLEGE OF MENOMINEE NATION	34,432	-
JS Dept of Interior	Pass-through	15.945	PG19-65888-01	UNIVERSITY OF MONTANA	90,788	
	Pass-through To US Dept of Inter				378,599 2,139,902	- 16,211
JS Dept of Justice	Direct	16.026	2018-SI-AX-0001	US DEPT OF JUSTICE	147,609	517
JS Dept of Justice	Direct	16.550	2017-BJ-CX-K020	US DEPT OF JUSTICE	33,877	-
JS Dept of Justice	Direct	16.550	2018-86-CX-K033	US DEPT OF JUSTICE	120,479	58,372
JS Dept of Justice JS Dept of Justice	Direct Direct	16.560 16.560	2015-CK-BX-0003 2015-CK-BX-0017	US DEPT OF JUSTICE US DEPT OF JUSTICE	119,549 1,286,968	81,294 1,126,900
IS Dept of Justice	Direct	16.560	2015-CK-BX-0017 2015-R2-CX-K041	US DEPT OF JUSTICE	1,280,908 87,195	34,994
JS Dept of Justice	Direct	16.560	2018-75-CX-4030	NATIONAL INST OF JUSTICE	248,323	167,407
JS Dept of Justice	Direct	16.560	2018-DU-BX-0225	US DEPT OF JUSTICE	176,486	61,958
IS Dept of Justice	Direct	16.560	2018-ZD-CX-0003	US DEPT OF JUSTICE	127,699	-
JS Dept of Justice	Direct	16.560	2019-MU-CX-0094	US DEPT OF JUSTICE	28,230	-
JS Dept of Justice	Direct	16.560	2019-R2-CX-0008	US DEPT OF JUSTICE	23,935	-
JS Dept of Justice JS Dept of Justice	Direct Direct	16.562 16.609	2015-R2-CX-0005 2015-GP-BX-K003	US DEPT OF JUSTICE US DEPT OF JUSTICE	(117) 63,770	

#### Schedule of Expenditures of Federal Awards Υ

'ear	Ended	June	30,	2020	

					Year Ended Ju	ne 30, 202
Federal Agency	Direct/ Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Total Expenditures	Subawaro Payments
		(				
RESEARCH AND DEVELOPMENT CLUSTER (CONTIN JS Dept of Justice	Direct	16.738	2016-MU-BX-K001	US DEPT OF JUSTICE	\$ 373,872	\$ 127,3
JS Dept of Justice	Direct Total Pass-through	16.RD	09-097III-MSU	WEST VIRGINIA UNIV	2,837,875 32,709	1,658,7
JS Dept of Justice	Pass-through	16.RD	09-097JJJ-MSU	WEST VIRGINIA UNIV	2,137	-
JS Dept of Justice	Pass-through	16.RD	09-097RRR-MSU	WEST VIRGINIA UNIV	42,100	-
JS Dept of Justice	Pass-through	16.RD	09-097VVV-MSU	WEST VIRGINIA UNIV	77,879	-
JS Dept of Justice	Pass-through	16.560	19008-3125-1	TEXAS STATE UNIVERSITY	91,542	-
IS Dept of Justice	Pass-through	16.560	19-3881	UNIVERSITY OF SOUTH CAROLINA	39,919	
IS Dept of Justice	Pass-through	16.560	203575MSU	UNIVERSITY OF NOTRE DAME	118,838	
IS Dept of Justice	Pass-through	16.560	500.015	WESTERN MICHIGAN UNIV	13,217	
IS Dept of Justice	Pass-through	16.560	CM00000097-00	JOHN JAY COLLEGE	2	
JS Dept of Justice	Pass-through	16.560	GR101771(Con-80001079)	YALE UNIV	86,462	
JS Dept of Justice	Pass-through	16.575	C-32001-115-504200	MICHIGAN PUBLIC HEALTH INST MICHIGAN PUBLIC HEALTH INST	41,570	
IS Dept of Justice	Pass-through Pass-through	16.575 16.609	C-32001-115-504200 153908	BLACK FAMILY DEVELOPMENT INC	124,650 7,646	
IS Dept of Justice IS Dept of Justice	Pass-through	16.609	2018-GP-BX-0036	BLACK FAMILY DEVELOPMENT INC	32,570	
IS Dept of Justice	Pass-through	16.609	2019-GP-BX-0050	SAGINAW COMMUNITY FOUNDATION	7,005	
IS Dept of Justice	Pass-through	16.738	6001197	CITY OF DETROIT	57,441	
IS Dept of Justice	Pass-through	16.738	BJA-2019-15126	CITY OF SAGINAW	9,785	
S Dept of Justice	Pass-through	16.738	PF - 2016-VI-BX-K001	POLICE FOUNDATION DBA THE NATIONAL POLICE FOUNDATION	34,334	
S Dept of Justice	Pass-through	16.751	2017-DG-BX-K012	WAYNE COUNTY PROSECUTOR'S OFFICE	55,366	
S Dept of Justice	Pass-through	16.812	17479-001	DETROIT RESCUE MISSION MINISTRIES	39,372	
IS Dept of Justice	Pass-through	16.817	CBCR-2017-AJ-BX-0007	HAMILTON COMMUNITY HEALTH NETWORK	12,448	
IS Dept of Justice	Pass-through	16.825	IPS-0 MSU 2018	WAYNE COUNTY PROSECUTOR'S OFFICE	24,242	
S Dept of Justice	Pass-through	16.833	SAKI-15-04	MICHIGAN STATE POLICE	29,467	
JS Dept of Justice	Pass-through	16.833	SAKI-18-001	MICHIGAN STATE POLICE	50,132	
	Pass-through To				1,030,833	1.050
	US Dept of Justi				3,868,708	1,658,7
lational Aeronautics and Space Administration	Direct	43.001	80NSSC17K0259	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	630,562	257,2
ational Aeronautics and Space Administration	Direct	43.001	80NSSC18K0382	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	14,064	
ational Aeronautics and Space Administration	Direct	43.001	80NSSC18K1084	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	106,932	
ational Aeronautics and Space Administration	Direct	43.001	80NSSC18K1134	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	182,355	
ational Aeronautics and Space Administration	Direct	43.001	80NSSC18K1707	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	74,026	
ational Aeronautics and Space Administration ational Aeronautics and Space Administration	Direct Direct	43.001 43.001	80NSSC18K1746 80NSSC19K0302	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	37,812 365,242	50,8
ational Aeronautics and Space Administration	Direct	43.001	80NSSC19K0502 80NSSC19K0522	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	34,008	50,0
ational Aeronautics and Space Administration	Direct	43.001	80NSSC19K1454	NATIONAL AERONAUTICS AND STACE ADMINISTRATION	61,562	
ational Aeronautics and Space Administration	Direct	43.001	80NSSC19M0132	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	156,244	28,8
ational Aeronautics and Space Administration	Direct	43.001	80NSSC20K0263	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	58,186	20,0
ational Aeronautics and Space Administration	Direct	43.001	80NSSC20K0366	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	12,923	
ational Aeronautics and Space Administration	Direct	43.001	80NSSC20K0411	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	11,144	
lational Aeronautics and Space Administration	Direct	43.001	80NSSC20K0503	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	5,671	
lational Aeronautics and Space Administration	Direct	43.001	80NSSC20K0410	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	54,087	
lational Aeronautics and Space Administration	Direct	43.001	NNX12AN71G	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	33,574	
lational Aeronautics and Space Administration	Direct	43.001	NNX15AP39G	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	137,060	
lational Aeronautics and Space Administration	Direct	43.001	NNX16AE52G	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	10,136	
lational Aeronautics and Space Administration	Direct	43.001	NNX16AP81G	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	71,706	
lational Aeronautics and Space Administration	Direct	43.001	NNX16AQ44G	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	(6,997)	
lational Aeronautics and Space Administration	Direct	43.001	NNX16AQ44G	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	13,695	
lational Aeronautics and Space Administration	Direct	43.001	NNX17AE16G	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	251,742	
lational Aeronautics and Space Administration	Direct	43.003	80NSSC19K0707	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	10,893	
lational Aeronautics and Space Administration	Direct	43.003	NNX16AR52G	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	60,492	
lational Aeronautics and Space Administration	Direct Direct	43.007	80NSSC19M0128	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	186,744	
ational Aeronautics and Space Administration	Direct Total	43.007	NNX16AC24A	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	108,291 2,682,154	337,0
ational Aeronautics and Space Administration	Pass-through	43.RD	1580232	JET PROPULSION LABORATORY	58,263	
ational Aeronautics and Space Administration	Pass-through	43.RD	HST-GO-14351.001-A	SPACE TELESCOPE SCIENCE INST	22,849	
ational Aeronautics and Space Administration	Pass-through	43.RD	HST-GO-14639.008-A	SPACE TELESCOPE SCIENCE INST	(177)	
ational Aeronautics and Space Administration	Pass-through	43.RD	HST-GO-14704.003-A	SPACE TELESCOPE SCIENCE INST	12,197	
ational Aeronautics and Space Administration	Pass-through	43.001	1552613	UNIVERSITY OF COLORADO	52,129	
ational Aeronautics and Space Administration	Pass-through	43.001	1593846	JET PROPULSION LABORATORY	(4,510)	
ational Aeronautics and Space Administration	Pass-through	43.001	160908221	MICHIGAN TECHNICAL RESEARCH INST	151,808	
ational Aeronautics and Space Administration	Pass-through	43.001	1618663	JET PROPULSION LABORATORY	56	
ational Aeronautics and Space Administration	Pass-through	43.001	1626984	JET PROPULSION LABORATORY	46,182	
ational Aeronautics and Space Administration ational Aeronautics and Space Administration	Pass-through	43.001	1638798	JET PROPULSION LABORATORY	4,510	
ational Aeronautics and Space Administration ational Aeronautics and Space Administration	Pass-through Pass-through	43.001 43.001	1695-MSU 3TC658	PLANETARY SCIENCE INSTITUTE SOUTH DAKOTA STATE UNIV	8,695 121,300	
	Pass-through Pass-through	43.001 43.001	403356	SOUTH DAKOTA STATE UNIV UNIVERSITY OF ARIZONA		
ational Aeronautics and Space Administration ational Aeronautics and Space Administration	Pass-through Pass-through	43.001 43.001	403356 73133-Z6052002	UNIVERSITY OF ARIZONA UNIVERSITY OF MARYLAND	45,511 17,419	
ational Aeronautics and Space Administration ational Aeronautics and Space Administration	Pass-through	43.001	AR0-21008B	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	8,766	
ational Aeronautics and Space Administration ational Aeronautics and Space Administration	Pass-through	43.001	AR7-18008X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	3,559	
ational Aeronautics and Space Administration	Pass-through	43.001	G07-18032A	CHANDRA SCIENCE CENTER	12,030	
ational Aeronautics and Space Administration	Pass-through	43.001	G04-15089A	CHANDRA SCIENCE CENTER	921	
ational Aeronautics and Space Administration	Pass-through	43.001	G06-17045X	CHANDRA SCIENCE CENTER	7,885	
ational Aeronautics and Space Administration	Pass-through	43.001	G08-19122X	CHANDRA SCIENCE CENTER	10,260	
ational Aeronautics and Space Administration	Pass-through	43.001	G09-20080X	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	63,528	
ational Aeronautics and Space Administration	Pass-through	43.001	HST-AR-14315.001-A	SPACE TELESCOPE SCIENCE INST	(510)	
ational Aeronautics and Space Administration	Pass-through	43.001	HST-GO-13720.001-A	SPACE TELESCOPE SCIENCE INST	(9,678)	
ational Aeronautics and Space Administration	Pass-through	43.001	HST-GO-14203.002-A	SPACE TELESCOPE SCIENCE INST	10,495	
ational Aeronautics and Space Administration	Pass-through	43.001	HST-GO-15308.003	SPACE TELESCOPE SCIENCE INST	62	
ational Aeronautics and Space Administration	Pass-through	43.001	NS2210-SB-223334	UNIVERSITY OF IDAHO	20,226	
ational Aeronautics and Space Administration	Pass-through	43.001	\$431505	CALIFORNIA INST OF TECHNOLOGY	14,043	
ational Aeronautics and Space Administration	Pass-through	43.001	SV9-89010	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	68,194	
ational Aeronautics and Space Administration	Pass-through	43.001	TM8-19006X	CHANDRA SCIENCE CENTER	45,689	
ational Aeronautics and Space Administration	Pass-through	43.001	UAF 19-0053	UNIVERSITY OF ALASKA	14,561	
ational Aeronautics and Space Administration	Pass-through	43.003	700000820	BAYLOR COLLEGE OF MEDICINE	262,396	
	Pass-through	43.008	SUBK00009426	MICHIGAN SPACE GRANT CONSORTIUM	2,928	
lational Aeronautics and Space Administration						
lational Aeronautics and Space Administration lational Aeronautics and Space Administration	Pass-through	43.008	SUBK00009426	UNIVERSITY OF MICHIGAN	(36)	

National Science Foundation

#### Schedule of Expenditures of Federal Awards Year Ended June 30, 2020

Federal Agency	Direct/ Pass-through	CFDA (Note 5)	Award Number	Grantor Name	Ex	Total penditures	Subaward Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONTIN		42.012	420206			00 000	<i>x</i>
National Aeronautics and Space Administration	Pass-through Pass-through To		438296	UNIVERSITY OF ARIZONA	<u>\$</u>	99,090 1,182,842	\$ - -
	National Aeron	autics and Sp	bace Administration Total			3,864,996	337,032
National Science Foundation	Direct	47.041	1463164	NATIONAL SCIENCE FOUNDATION		34,963	-
National Science Foundation	Direct	47.041	1510895	NATIONAL SCIENCE FOUNDATION		(1,089)	-
National Science Foundation	Direct	47.041	1510895	NATIONAL SCIENCE FOUNDATION		11,351	-
National Science Foundation National Science Foundation	Direct Direct	47.041 47.041	1544068 1549517	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		8,138 (1,086)	-
National Science Foundation	Direct	47.041	1561628	NATIONAL SCIENCE FOUNDATION		29,154	-
National Science Foundation	Direct	47.041	1561964	NATIONAL SCIENCE FOUNDATION		39,128	-
National Science Foundation	Direct	47.041	1565232	NATIONAL SCIENCE FOUNDATION		117,538	-
National Science Foundation	Direct	47.041	1600417	NATIONAL SCIENCE FOUNDATION		60,499	-
National Science Foundation	Direct Direct	47.041 47.041	1603347 1603646	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		67,321 5,002	-
National Science Foundation National Science Foundation	Direct	47.041	1603646	NATIONAL SCIENCE FOUNDATION		56,410	-
National Science Foundation	Direct	47.041	1603646 REU	NATIONAL SCIENCE FOUNDATION		1,899	-
National Science Foundation	Direct	47.041	1603705	NATIONAL SCIENCE FOUNDATION		63,082	-
National Science Foundation	Direct	47.041	1603720	NATIONAL SCIENCE FOUNDATION		71,500	-
National Science Foundation	Direct	47.041	1603892	NATIONAL SCIENCE FOUNDATION		7,303	-
National Science Foundation National Science Foundation	Direct Direct	47.041 47.041	1628958 1632051	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		214,084 115,895	33,667 1,862
National Science Foundation	Direct	47.041	1639115	NATIONAL SCIENCE FOUNDATION		845,872	66,815
National Science Foundation	Direct	47.041	1651674	NATIONAL SCIENCE FOUNDATION		123,664	-
National Science Foundation	Direct	47.041	1661618	NATIONAL SCIENCE FOUNDATION		70,828	-
National Science Foundation	Direct	47.041	1700785	NATIONAL SCIENCE FOUNDATION		(552)	-
National Science Foundation	Direct	47.041	1700787	NATIONAL SCIENCE FOUNDATION		81,950	-
National Science Foundation National Science Foundation	Direct Direct	47.041 47.041	1702591 1702987	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		114,706	-
National Science Foundation	Direct	47.041	1703735	NATIONAL SCIENCE FOUNDATION		85,792 26,604	
National Science Foundation	Direct	47.041	1703735	NATIONAL SCIENCE FOUNDATION		76,393	-
National Science Foundation	Direct	47.041	1708820	NATIONAL SCIENCE FOUNDATION		100,699	-
National Science Foundation	Direct	47.041	1724941	NATIONAL SCIENCE FOUNDATION		19,544	-
National Science Foundation	Direct	47.041	1724941	NATIONAL SCIENCE FOUNDATION		35,693	-
National Science Foundation National Science Foundation	Direct Direct	47.041 47.041	1725278 1727525	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		114,337 205,028	-
National Science Foundation	Direct	47.041	1744273	NATIONAL SCIENCE FOUNDATION		(2,106)	
National Science Foundation	Direct	47.041	1744604	NATIONAL SCIENCE FOUNDATION		(5,200)	-
National Science Foundation	Direct	47.041	1750785	NATIONAL SCIENCE FOUNDATION		45,818	-
National Science Foundation	Direct	47.041	1752773	NATIONAL SCIENCE FOUNDATION		9,149	-
National Science Foundation	Direct	47.041	1759823	NATIONAL SCIENCE FOUNDATION		66,779	-
National Science Foundation	Direct	47.041	1762331 1800466	NATIONAL SCIENCE FOUNDATION		124,226	-
National Science Foundation National Science Foundation	Direct Direct	47.041 47.041	1801785	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		29,466 76,687	-
National Science Foundation	Direct	47.041	1802992	NATIONAL SCIENCE FOUNDATION		87,062	-
National Science Foundation	Direct	47.041	1802992-PSC	NATIONAL SCIENCE FOUNDATION		2,653	-
National Science Foundation	Direct	47.041	1803695	NATIONAL SCIENCE FOUNDATION		93,586	-
National Science Foundation	Direct	47.041	1808436	NATIONAL SCIENCE FOUNDATION		97,162	-
National Science Foundation	Direct	47.041	1824976	NATIONAL SCIENCE FOUNDATION		151,740	-
National Science Foundation National Science Foundation	Direct Direct	47.041 47.041	1825678 1825678	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		4,371 163,796	
National Science Foundation	Direct	47.041	1830269	NATIONAL SCIENCE FOUNDATION		6,728	-
National Science Foundation	Direct	47.041	1830269	NATIONAL SCIENCE FOUNDATION		75,937	-
National Science Foundation	Direct	47.041	1836682	NATIONAL SCIENCE FOUNDATION		3,391	-
National Science Foundation	Direct	47.041	1854750	NATIONAL SCIENCE FOUNDATION		125,303	-
National Science Foundation National Science Foundation	Direct	47.041	1902250	NATIONAL SCIENCE FOUNDATION		80,961	-
National Science Foundation National Science Foundation	Direct Direct	47.041 47.041	1917577 1918074	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		26,962 4,430	-
National Science Foundation	Direct	47.041	1923187	NATIONAL SCIENCE FOUNDATION		48,586	
National Science Foundation	Direct	47.041	1923409	NATIONAL SCIENCE FOUNDATION		9,392	-
National Science Foundation	Direct	47.041	1929761	NATIONAL SCIENCE FOUNDATION		17,717	-
National Science Foundation	Direct	47.041	1933768	NATIONAL SCIENCE FOUNDATION		76,454	-
National Science Foundation	Direct	47.041	1935451	NATIONAL SCIENCE FOUNDATION		69,525	30,485
National Science Foundation National Science Foundation	Direct Direct	47.041 47.041	1936440 1940950	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		60,703 13,492	2,441
National Science Foundation	Direct	47.041	1945779	NATIONAL SCIENCE FOUNDATION		21,971	
National Science Foundation	Direct	47.041	1947009	NATIONAL SCIENCE FOUNDATION		7,289	-
National Science Foundation	Direct	47.041	2013093	NATIONAL SCIENCE FOUNDATION		24,549	-
National Science Foundation	Direct	47.041	2013161	NATIONAL SCIENCE FOUNDATION		79,579	58,286
National Science Foundation	Direct	47.041	2026717	NATIONAL SCIENCE FOUNDATION		15,954	-
National Science Foundation National Science Foundation	Direct Direct	47.041 47.041	2028474	NATIONAL SCIENCE FOUNDATION		16,500	-
National Science Foundation	Direct	47.041	COVID-19 - 2029319 CBET-1254453	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		28,128 41,264	-
National Science Foundation	Direct	47.041	CBET-1254455 CBET-1510203	NATIONAL SCIENCE FOUNDATION		323	-
National Science Foundation	Direct	47.041	CBET-1845006	NATIONAL SCIENCE FOUNDATION		87,235	-
National Science Foundation	Direct	47.041	CBET-1923093	NATIONAL SCIENCE FOUNDATION		14,950	-
National Science Foundation	Direct	47.041	CMMI-1435126	NATIONAL SCIENCE FOUNDATION		5,400	-
National Science Foundation	Direct	47.041	CMMI-1462118	NATIONAL SCIENCE FOUNDATION		9,231	-
National Science Foundation	Direct	47.041	CMMI-1462118 CMMI-1462118-002	NATIONAL SCIENCE FOUNDATION		46,725	-
National Science Foundation National Science Foundation	Direct Direct	47.041 47.041	CMMI-1462118-002 CMMI-1463006	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		20,467 15,863	-
National Science Foundation	Direct	47.041	ECCS-1407880	NATIONAL SCIENCE FOUNDATION		8,997	-
National Science Foundation	Direct	47.041	ECCS-1407880	NATIONAL SCIENCE FOUNDATION		32,278	-
National Science Foundation	Direct	47.041	ECCS-1407880	NATIONAL SCIENCE FOUNDATION		47,602	-
National Science Foundation	Direct	47.041	ECCS-1408115	NATIONAL SCIENCE FOUNDATION		(7)	-
National Science Foundation	Direct	47.041	ECCS-1446793	NATIONAL SCIENCE FOUNDATION		79,266	-
National Science Foundation	Direct	47.041	ECCS-1751655	NATIONAL SCIENCE FOUNDATION		19,694	-
National Science Foundation	Direct	47.041	PHY-1531199	NATIONAL SCIENCE FOUNDATION		23,264	-

47.041 47.049 47.049

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47.049 47.049

47.049

Direct

Direct

Direct

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1951535

1453661

1453661

1462156

1465043 1502135

1502135

NATIONAL SCIENCE FOUNDATION

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NATIONAL SCIENCE FOUNDATION

19,694 23,264 16,966

(5,196)

54,815

39.108

52,596 4,039

12,657

						Year E	Ended Jur	ne 30, 2020
	Direct/	CFDA					Total	Subaward
Federal Agency	Pass-through	(Note 5)		Award Number	Grantor Name	Exp	enditures	Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONT	INUED)							
National Science Foundation	Direct	47.049	1514700		NATIONAL SCIENCE FOUNDATION	\$	62,421	\$-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1514763 1516969		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		932 (806)	-
National Science Foundation	Direct	47.049	1519045		NATIONAL SCIENCE FOUNDATION		(81)	-
National Science Foundation	Direct	47.049	1520929		NATIONAL SCIENCE FOUNDATION		(5,941)	
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1554315 1559866		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		72,977 110,172	-
National Science Foundation	Direct	47.049	1562140		NATIONAL SCIENCE FOUNDATION		320	-
National Science Foundation	Direct	47.049	1600065		NATIONAL SCIENCE FOUNDATION		102,604	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1607089 1607942		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		2,282 106,532	-
National Science Foundation	Direct	47.049	1608752		NATIONAL SCIENCE FOUNDATION		87,747	-
National Science Foundation	Direct	47.049	1612867		NATIONAL SCIENCE FOUNDATION		21,342	-
National Science Foundation	Direct	47.049	1612885		NATIONAL SCIENCE FOUNDATION		45,175	-
National Science Foundation National Science Foundation	Direct	47.049 47.049	1614566 1619960		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		38,239 45,170	-
National Science Foundation	Direct	47.049	1620216		NATIONAL SCIENCE FOUNDATION		45,131	-
National Science Foundation	Direct	47.049	1621798		NATIONAL SCIENCE FOUNDATION		11,598	-
National Science Foundation National Science Foundation	Direct	47.049 47.049	162494 1625181		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		(336,959) 218,315	15,267
National Science Foundation	Direct	47.049	1632761		NATIONAL SCIENCE FOUNDATION		24,989	-
National Science Foundation	Direct	47.049	1636557		NATIONAL SCIENCE FOUNDATION		(29,501)	-
National Science Foundation	Direct	47.049	1653405		NATIONAL SCIENCE FOUNDATION		116,978	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1654610 1663778		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		70,647 1	-
National Science Foundation	Direct	47.049	1664823		NATIONAL SCIENCE FOUNDATION		115,077	-
National Science Foundation	Direct	47.049	1665285		NATIONAL SCIENCE FOUNDATION		36,683	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1700094 1700837		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		29,115 36,488	-
National Science Foundation	Direct	47.049	1700837 1701619		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		36,488 34,840	-
National Science Foundation	Direct	47.049	1702115		NATIONAL SCIENCE FOUNDATION		71,931	-
National Science Foundation	Direct	47.049	1707812		NATIONAL SCIENCE FOUNDATION		460,858	-
National Science Foundation National Science Foundation	Direct	47.049 47.049	1707842 1708249		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		(16,939) 109,656	-
National Science Foundation	Direct	47.049	1708331		NATIONAL SCIENCE FOUNDATION		208,580	-
National Science Foundation	Direct	47.049	1709016		NATIONAL SCIENCE FOUNDATION		85,271	-
National Science Foundation	Direct	47.049	1709158		NATIONAL SCIENCE FOUNDATION		5,109	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1709158 1713901		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		152,426 258,209	-
National Science Foundation	Direct	47.049	1714825		NATIONAL SCIENCE FOUNDATION		94,452	-
National Science Foundation	Direct	47.049	1715178		NATIONAL SCIENCE FOUNDATION		39,531	-
National Science Foundation	Direct	47.049	1719406		NATIONAL SCIENCE FOUNDATION		10,000	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1719863 1719914		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		80,569 82,531	-
National Science Foundation	Direct	47.049	1720002		NATIONAL SCIENCE FOUNDATION		11,037	-
National Science Foundation	Direct	47.049	1720023		NATIONAL SCIENCE FOUNDATION		6,045	-
National Science Foundation National Science Foundation	Direct	47.049 47.049	1721024 1734183		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		120,663	-
National Science Foundation	Direct	47.049	1751857		NATIONAL SCIENCE FOUNDATION		12,596 1,120	-
National Science Foundation	Direct	47.049	1751857		NATIONAL SCIENCE FOUNDATION		9,863	-
National Science Foundation	Direct	47.049	1751874		NATIONAL SCIENCE FOUNDATION		220,324	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1754967 1758326		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		64,962 (1,789)	-
National Science Foundation	Direct	47.049	1759824		NATIONAL SCIENCE FOUNDATION		20,029	-
National Science Foundation	Direct	47.049	1761320		NATIONAL SCIENCE FOUNDATION		65,148	-
National Science Foundation	Direct	47.049	1761320		NATIONAL SCIENCE FOUNDATION		74,184	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1761320 1763371		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		82,802 89,373	-
National Science Foundation	Direct	47.049	1763855		NATIONAL SCIENCE FOUNDATION		914	-
National Science Foundation	Direct	47.049	1800446		NATIONAL SCIENCE FOUNDATION		(7,512)	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1803719 1806473		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		132,805 65,588	- 35,101
National Science Foundation	Direct	47.049	1807073		NATIONAL SCIENCE FOUNDATION		110,826	-
National Science Foundation	Direct	47.049	1807073		NATIONAL SCIENCE FOUNDATION		119,565	
National Science Foundation	Direct	47.049	1807573		NATIONAL SCIENCE FOUNDATION		110,248	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1810575 1811815		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		71,751 157,139	-
National Science Foundation	Direct	47.049	1811855		NATIONAL SCIENCE FOUNDATION		64,053	-
National Science Foundation	Direct	47.049	1812332		NATIONAL SCIENCE FOUNDATION		80,753	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1812838 1812856		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		62,220 8,238	-
National Science Foundation	Direct	47.049	1812856		NATIONAL SCIENCE FOUNDATION		83,254	-
National Science Foundation	Direct	47.049	1832808		NATIONAL SCIENCE FOUNDATION		46,678	-
National Science Foundation	Direct	47.049	1836498		NATIONAL SCIENCE FOUNDATION		93,950	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1845416 1845856		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		10,687 38,883	-
National Science Foundation	Direct	47.049	1845850		NATIONAL SCIENCE FOUNDATION		26,615	-
National Science Foundation	Direct	47.049	1851776		NATIONAL SCIENCE FOUNDATION		19,042	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1851776 1855185		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		21,938	-
National Science Foundation	Direct	47.049	1855185		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		44,510 130,633	-
National Science Foundation	Direct	47.049	1856683		NATIONAL SCIENCE FOUNDATION		30,304	-
National Science Foundation	Direct	47.049	1900015		NATIONAL SCIENCE FOUNDATION		81,745	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1900268 1901867		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		30,277 21,475	-
National Science Foundation National Science Foundation	Direct	47.049 47.049	1901867 1904295		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		21,475 89,317	-
National Science Foundation	Direct	47.049	1904332		NATIONAL SCIENCE FOUNDATION		5,100	-
National Science Foundation	Direct	47.049	1904332		NATIONAL SCIENCE FOUNDATION		9,831	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1904655 1905404		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		63,243 9,709	-
National Science Foundation	Direct	47.049	1905404		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		9,709 99,395	-
National Science Foundation	Direct	47.049	1907898		NATIONAL SCIENCE FOUNDATION		23,147	-
National Science Foundation	Direct	47.049	1908109		NATIONAL SCIENCE FOUNDATION		13,681	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1912183 1912706		NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION		22,408 26,480	-
National Science i Gundation	Direct	77.043	1312/00				20,400	-

					Year Ended Ju	ne 30, 2020
Federal Agency	Direct/	CFDA	Award Number	Grantor Name	Total Expenditures	Subaward Payments
rederal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Fayments
RESEARCH AND DEVELOPMENT CLUSTER (CO						
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1912799 1912906	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	\$ 106,609 25,446	\$-
National Science Foundation	Direct	47.049	1913003	NATIONAL SCIENCE FOUNDATION	5,000	-
National Science Foundation National Science Foundation	Direct	47.049	1913011	NATIONAL SCIENCE FOUNDATION	172,270	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1913287 1913554	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	41,426 834,397	-
National Science Foundation	Direct	47.049	1915099	NATIONAL SCIENCE FOUNDATION	31,301	-
National Science Foundation	Direct	47.049	1916339	NATIONAL SCIENCE FOUNDATION	29,338	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1916395 1919565	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	22,716 277,765	-
National Science Foundation	Direct	47.049	1923201	NATIONAL SCIENCE FOUNDATION	54,925	-
National Science Foundation	Direct	47.049	1936404	NATIONAL SCIENCE FOUNDATION	51,090	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	1951535 1953254	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	26,088 24,440	-
National Science Foundation	Direct	47.049	1953254	NATIONAL SCIENCE FOUNDATION	3,000	-
National Science Foundation	Direct	47.049	2001205	NATIONAL SCIENCE FOUNDATION	40,513	-
National Science Foundation	Direct	47.049 47.049	2003815 AST-1412549	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	1,917 18,221	-
National Science Foundation National Science Foundation	Direct Direct	47.049	AST-1412549 AST-1412980	NATIONAL SCIENCE FOUNDATION	6,054	-
National Science Foundation	Direct	47.049	CHE-1362812	NATIONAL SCIENCE FOUNDATION	109,872	-
National Science Foundation	Direct	47.049	CHE-1507588	NATIONAL SCIENCE FOUNDATION	(216)	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	CHE-1516126 CHE-1516126	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	(59,717) (217)	
National Science Foundation	Direct	47.049	CHE-1565634	NATIONAL SCIENCE FOUNDATION	101,874	-
National Science Foundation	Direct	47.049	CHE-1900086	NATIONAL SCIENCE FOUNDATION	64,534	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	CHE-1900399 DMR-1410850	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	90,198 3,955	-
National Science Foundation	Direct	47.049	DMR-1410850 DMS - 1852066	NATIONAL SCIENCE FOUNDATION	(4,324)	-
National Science Foundation	Direct	47.049	DMS - 1852066	NATIONAL SCIENCE FOUNDATION	86,361	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	DMS-1149408 DMS-1149408	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	(246) (57)	-
National Science Foundation National Science Foundation	Direct	47.049 47.049	DMS-1149408 DMS-1352407	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	(57) 5,197	-
National Science Foundation	Direct	47.049	DMS-1500386	NATIONAL SCIENCE FOUNDATION	4,283	-
National Science Foundation	Direct	47.049	DMS-1513481	NATIONAL SCIENCE FOUNDATION	(558)	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	DMS-1907221 DMS-1924724	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	19,848 164	-
National Science Foundation	Direct	47.049	DMS-1924724	NATIONAL SCIENCE FOUNDATION	67,354	-
National Science Foundation	Direct	47.049	PHY-1350234	NATIONAL SCIENCE FOUNDATION	4,637	-
National Science Foundation National Science Foundation	Direct Direct	47.049 47.049	PHY-1350234 PHY-1415462	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	83,953 7,933	
National Science Foundation	Direct	47.049	PHY-1430152	NATIONAL SCIENCE FOUNDATION	64,070	-
National Science Foundation	Direct	47.049	PHY-1430152	NATIONAL SCIENCE FOUNDATION	1,827,347	1,169,529
National Science Foundation National Science Foundation	Direct Direct	47.049 47.050	PHY-1565546 1443165	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	23,912,393 17,567	78,521
National Science Foundation	Direct	47.050	1446328	NATIONAL SCIENCE FOUNDATION	11,151	-
National Science Foundation	Direct	47.050	1523628	NATIONAL SCIENCE FOUNDATION	19,684	19,684
National Science Foundation National Science Foundation	Direct Direct	47.050 47.050	1531086 1540576	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	67,485 4,986	- 5,322
National Science Foundation	Direct	47.050	1540576	NATIONAL SCIENCE FOUNDATION	7,872	5,522
National Science Foundation	Direct	47.050	1551872	NATIONAL SCIENCE FOUNDATION	19,319	-
National Science Foundation	Direct	47.050	1620509	NATIONAL SCIENCE FOUNDATION	34,453	-
National Science Foundation National Science Foundation	Direct Direct	47.050 47.050	1629439 1630399	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	46,814 264,701	-
National Science Foundation	Direct	47.050	1638958	NATIONAL SCIENCE FOUNDATION	132,391	-
National Science Foundation	Direct	47.050	1644453	NATIONAL SCIENCE FOUNDATION	19,022	-
National Science Foundation National Science Foundation	Direct Direct	47.050 47.050	1664332 1722623	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	36,705 30,020	-
National Science Foundation	Direct	47.050	1751664	NATIONAL SCIENCE FOUNDATION	93,384	-
National Science Foundation	Direct	47.050	1752729	NATIONAL SCIENCE FOUNDATION	86,305	-
National Science Foundation National Science Foundation	Direct Direct	47.050 47.050	1802247 1842078	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	94,627 3,210	-
National Science Foundation National Science Foundation	Direct	47.050	1842078	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	3,210 91,263	-
National Science Foundation	Direct	47.050	1846855	NATIONAL SCIENCE FOUNDATION	20,159	-
National Science Foundation National Science Foundation	Direct	47.050	1850606	NATIONAL SCIENCE FOUNDATION	16,453	-
National Science Foundation National Science Foundation	Direct Direct	47.050 47.050	1916567 1917435	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	1,251 4,526	-
National Science Foundation	Direct	47.050	1934830	NATIONAL SCIENCE FOUNDATION	2,566	-
National Science Foundation	Direct	47.050	1934830	NATIONAL SCIENCE FOUNDATION	12,946	-
National Science Foundation National Science Foundation	Direct Direct	47.050 47.050	1939979 1942431	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	54,559 2,201	-
National Science Foundation	Direct	47.050	1950101	NATIONAL SCIENCE FOUNDATION	34,480	7,826
National Science Foundation	Direct	47.050	OCE 1829406	NATIONAL SCIENCE FOUNDATION	61,843	-
National Science Foundation National Science Foundation	Direct Direct	47.070 47.070	1524698 1533802	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	(27) 55,475	-
National Science Foundation	Direct	47.070	1560168	NATIONAL SCIENCE FOUNDATION	15,228	-
National Science Foundation	Direct	47.070	1560168	NATIONAL SCIENCE FOUNDATION	69,850	-
National Science Foundation	Direct	47.070	1615489	NATIONAL SCIENCE FOUNDATION	128,891	-
National Science Foundation National Science Foundation	Direct Direct	47.070 47.070	1615597 1617412	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	144,785 77,580	-
National Science Foundation	Direct	47.070	1617466	NATIONAL SCIENCE FOUNDATION	42,592	-
National Science Foundation	Direct	47.070	1617627	NATIONAL SCIENCE FOUNDATION	141,570	-
National Science Foundation National Science Foundation	Direct Direct	47.070 47.070	1617682 1622659	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	10,440 256,494	-
National Science Foundation	Direct	47.070	1645783	NATIONAL SCIENCE FOUNDATION	63,553	-
National Science Foundation	Direct	47.070	1714126	NATIONAL SCIENCE FOUNDATION	3,694	-
National Science Foundation National Science Foundation	Direct Direct	47.070 47.070	1714126 1714417	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	129,855 212,632	-
National Science Foundation National Science Foundation	Direct	47.070	1714741	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	190,021	-
National Science Foundation	Direct	47.070	1715714	NATIONAL SCIENCE FOUNDATION	84,079	-
National Science Foundation	Direct	47.070	1715940	NATIONAL SCIENCE FOUNDATION	108,989	-
National Science Foundation	Direct	47.070 47.070	1730137 1730137	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	31,619 178,149	-
National Science Foundation	Direct				1/0,145	
National Science Foundation National Science Foundation	Direct	47.070	1734272	NATIONAL SCIENCE FOUNDATION	240,287	-
					240,287 10,600 238,630	- - 115,261

					Year Ended Jun	e 30, 2020
	Direct/	CFDA			Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
DESEADOU AND DEVELOPMENT CLUSTED (C	ONTINUED)					
RESEARCH AND DEVELOPMENT CLUSTER (C National Science Foundation	Direct	47.070	1749018	NATIONAL SCIENCE FOUNDATION	\$ 300	\$-
National Science Foundation	Direct	47.070	1749018	NATIONAL SCIENCE FOUNDATION	98,727	-
National Science Foundation National Science Foundation	Direct Direct	47.070 47.070	1749940 1807622	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	96,327 66,370	-
National Science Foundation	Direct	47.070	1807022	NATIONAL SCIENCE FOUNDATION	1,098	-
National Science Foundation	Direct	47.070	1814551	NATIONAL SCIENCE FOUNDATION	108,374	-
National Science Foundation National Science Foundation	Direct Direct	47.070 47.070	1815636 1822932	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	123,746	-
National Science Foundation	Direct	47.070	1822932	NATIONAL SCIENCE FOUNDATION	152,280 121,022	-
National Science Foundation	Direct	47.070	1835426	NATIONAL SCIENCE FOUNDATION	27,028	-
National Science Foundation	Direct	47.070	1837146	NATIONAL SCIENCE FOUNDATION	12,494	-
National Science Foundation National Science Foundation	Direct	47.070 47.070	1841517 1841590	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	25,854 1,567	16,602
National Science Foundation	Direct	47.070	1845081	NATIONAL SCIENCE FOUNDATION	61,167	-
National Science Foundation	Direct	47.070	1845208	NATIONAL SCIENCE FOUNDATION	107,966	-
National Science Foundation National Science Foundation	Direct Direct	47.070 47.070	1848945 1854985	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	82,470 25,660	-
National Science Foundation	Direct	47.070	1854985	NATIONAL SCIENCE FOUNDATION	107,035	-
National Science Foundation	Direct	47.070	1907591	NATIONAL SCIENCE FOUNDATION	25,617	-
National Science Foundation	Direct	47.070	1907807	NATIONAL SCIENCE FOUNDATION	65,751	-
National Science Foundation National Science Foundation	Direct Direct	47.070 47.070	1909177 1909523	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	78,019 48,272	-
National Science Foundation	Direct	47.070	1919154	NATIONAL SCIENCE FOUNDATION	105,692	
National Science Foundation	Direct	47.070	1928278	NATIONAL SCIENCE FOUNDATION	250,746	-
National Science Foundation National Science Foundation	Direct Direct	47.070 47.070	1939368 1940059	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	63,347 31,161	-
National Science Foundation	Direct	47.070	1940035	NATIONAL SCIENCE FOUNDATION	99,197	-
National Science Foundation	Direct	47.070	1950171	NATIONAL SCIENCE FOUNDATION	23,511	-
National Science Foundation National Science Foundation	Direct Direct	47.070 47.070	2028626 CCF-1422262	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	14,572 75,492	-
National Science Foundation National Science Foundation	Direct	47.070	CCF-1422262 CCF-1565719	NATIONAL SCIENCE FOUNDATION	(57)	-
National Science Foundation	Direct	47.070	CNS 1305358	NATIONAL SCIENCE FOUNDATION	11,089	-
National Science Foundation	Direct	47.070	CNS 1502462	NATIONAL SCIENCE FOUNDATION	22,997	-
National Science Foundation National Science Foundation	Direct Direct	47.070 47.070	CNS-1405273 CNS-1502462	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	146,456 15,870	-
National Science Foundation	Direct	47.070	CNS-1524296	NATIONAL SCIENCE FOUNDATION	111,223	-
National Science Foundation	Direct	47.070	CNS-1547015	NATIONAL SCIENCE FOUNDATION	18,625	-
National Science Foundation National Science Foundation	Direct Direct	47.070 47.070	CNS-1547015 REU CNS-1609339	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	7,939 (149)	-
National Science Foundation	Direct	47.070	CNS-1618518	NATIONAL SCIENCE FOUNDATION	80,108	-
National Science Foundation	Direct	47.070	IIS-1350253	NATIONAL SCIENCE FOUNDATION	3,405	-
National Science Foundation	Direct	47.070 47.070	IIS-1350253 IIS-1452479	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	73,332	-
National Science Foundation National Science Foundation	Direct Direct	47.070	IIS-1452479 IIS-1615612	NATIONAL SCIENCE FOUNDATION	87,908 63,082	-
National Science Foundation	Direct	47.070	IIS-1615612	NATIONAL SCIENCE FOUNDATION	76,919	-
National Science Foundation	Direct	47.070	IIS-1900473	NATIONAL SCIENCE FOUNDATION	45,891	-
National Science Foundation National Science Foundation	Direct	47.070 47.074	OAC-1835144 0939454	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	144,847 8,716	37,542
National Science Foundation	Direct	47.074	0939454	NATIONAL SCIENCE FOUNDATION	84,210	-
National Science Foundation	Direct	47.074	0939454	NATIONAL SCIENCE FOUNDATION	2,585,537	1,370,886
National Science Foundation National Science Foundation	Direct	47.074 47.074	1455405 1518366	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	79,294 3,748	-
National Science Foundation	Direct	47.074	1546617	NATIONAL SCIENCE FOUNDATION	6,353	-
National Science Foundation	Direct	47.074	1546617	NATIONAL SCIENCE FOUNDATION	127,491	-
National Science Foundation	Direct	47.074	1546617	NATIONAL SCIENCE FOUNDATION	208,465	-
National Science Foundation National Science Foundation	Direct Direct	47.074 47.074	1546617 1546617	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	219,105 403,293	- 121,057
National Science Foundation	Direct	47.074	1546657	NATIONAL SCIENCE FOUNDATION	27	-
National Science Foundation	Direct	47.074	1546657	NATIONAL SCIENCE FOUNDATION	13,794	-
National Science Foundation National Science Foundation	Direct Direct	47.074 47.074	1546657 1546657	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	333,018 642,372	- 325,753
National Science Foundation	Direct	47.074	1550686	NATIONAL SCIENCE FOUNDATION	3,933	-
National Science Foundation	Direct	47.074	1557324	NATIONAL SCIENCE FOUNDATION	8,639	-
National Science Foundation	Direct Direct	47.074 47.074	1557324 1557437	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	342,706	-
National Science Foundation National Science Foundation	Direct	47.074	1557657	NATIONAL SCIENCE FOUNDATION	49,558 87,658	-
National Science Foundation	Direct	47.074	1600556	NATIONAL SCIENCE FOUNDATION	36,994	-
National Science Foundation	Direct	47.074	1637653	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	(7,715)	-
National Science Foundation National Science Foundation	Direct Direct	47.074 47.074	1637653 1637653	NATIONAL SCIENCE FOUNDATION	(736) (25)	-
National Science Foundation	Direct	47.074	1637653	NATIONAL SCIENCE FOUNDATION	7,250	-
National Science Foundation	Direct	47.074	1637653	NATIONAL SCIENCE FOUNDATION	20,835	-
National Science Foundation National Science Foundation	Direct Direct	47.074 47.074	1637653 1637653	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	23,250 52,142	-
National Science Foundation	Direct	47.074	1637653	NATIONAL SCIENCE FOUNDATION	70,394	-
National Science Foundation	Direct	47.074	1637653	NATIONAL SCIENCE FOUNDATION	128,291	-
National Science Foundation	Direct	47.074 47.074	1638679	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	267 21.476	-
National Science Foundation National Science Foundation	Direct Direct	47.074 47.074	1638679 1638679	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	21,476 500,484	-
National Science Foundation	Direct	47.074	1638778	NATIONAL SCIENCE FOUNDATION	8,306	-
National Science Foundation	Direct	47.074	1638778	NATIONAL SCIENCE FOUNDATION	218,868	19,403
National Science Foundation National Science Foundation	Direct Direct	47.074 47.074	1644965 1655386	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	366,526 49,076	142,531
National Science Foundation	Direct	47.074	1655386	NATIONAL SCIENCE FOUNDATION	58,005	-
National Science Foundation	Direct	47.074	1655392	NATIONAL SCIENCE FOUNDATION	15,439	-
National Science Foundation	Direct	47.074	1655392	NATIONAL SCIENCE FOUNDATION	84,822	-
National Science Foundation National Science Foundation	Direct Direct	47.074 47.074	1655394 1655715	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	108,864 200,800	-
National Science Foundation		47.074	1701736	NATIONAL SCIENCE FOUNDATION	452	-
	Direct					
National Science Foundation	Direct	47.074	1701791	NATIONAL SCIENCE FOUNDATION	10,406	-
National Science Foundation	Direct Direct	47.074 47.074	1701791 1702379	NATIONAL SCIENCE FOUNDATION	110,658	40,966
National Science Foundation National Science Foundation	Direct Direct Direct	47.074	1701791		110,658 25,521	- 40,966 -
National Science Foundation	Direct Direct	47.074 47.074 47.074	1701791 1702379 1702635	NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	110,658	- 40,966 - - -

Ideal ageNote						Year Ended Jur	ne 30, 2020
March SchwartenOracClassFIGOMCD201 (STREE FLACENCYSSSMarch Schwarten AndelenDes ACLASPLACMARCH SCHWARTENBARSMarch Schwarten AndelenDes ACLASPLACMARCH SCHWARTENBARSMarch Schwarten AndelenDes ACLASPLACMARCH SCHWARTENBARSMarch Schwarten AndelenDes ACLASPLACMARCH SCHWARTENBARSMarch Schwarten AndelenDes ACLASPLACMARCH SCHWARTENBARBARMarch Schwarten AndelenDes ACLASPLACMARCH SCHWARTENBARBARMarch Schwarten AndelenDes ACLASPLACMARBARBARMarch Schwarten AndelenDes ACLASPLACBARBARBARBARMarch Schwarten AndelenDes ACLASPLACBARBARBARBARBARMarch Schwarten AndelenDes ACLASPLACBAR <t< th=""><th>Federal Agency</th><th></th><th></th><th>Award Number</th><th>Grantor Name</th><th></th><th>Subaward Payments</th></t<>	Federal Agency			Award Number	Grantor Name		Subaward Payments
	RESEARCH AND DEVELOPMENT CLUSTER (CO	ONTINUED)					
							\$-
InterAndAndAndAndNone Stores AnalysisAndC.A. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
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Nicord Screet PoolsterNicord Screet							-
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InternationalDecDecDistMURDU STUP TOTALDistDistDistDistNamed Scient PackadeDec0.00<							-
Name of some of a set							309,618
Nacus Score ParalelianeDeck201910199MCDML SCHEE SAMADAYN1019910199Nacus Score ParalelianeDeck401910241MCDML SCHEE SAMADAYN1019110191Nacus Score ParalelianeDeck401910241MCDML SCHEE SAMADAYN1019110191Nacus Score ParalelianeDeck401910241MCDML SCHEE SAMADAYN1019110191Nacus Score ParalelianeDeck401910242MCDML SCHEE SAMADAYN1019110191Nacus Score ParalelianeDeck401910243MCDML SCHEE SAMADAYN1019110191Nacus Score ParalelianeDeck4019110243MCDML SCHEE SAMADAYN <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>							-
Name Score SecuritiesOut of 26721401MUTCAL SCARE FURNATION48.42Name Score SecuritiesDeer 4 67819834MUTCAL SCARE FURNATION10.33Name Score SecuritiesDeer 4 67819834MUTCAL SCARE FURNATION10.31Name Score SecuritiesDeer 4 67819834MUTCAL SCARE FURNATION10.31Name Score SecuritiesDeer 4 67819932MUTCAL SCARE FURNATION10.31Name Score SecuritiesDeer 4 67919932MUTCAL SCARE FURNATION10.31Name Score SecuritiesDeer 4 679							-
Internal Society Soci							-
Named semi bandmin band was bandmin band was bandmin band was bandmin 							125,749
Nebos Socies Journal ConstraintsDec.Dec.1004100410041004Nebos Socies Journal ConstraintsDec.40.0117.42100410.0110.01Nebos Socies Journal ConstraintsDec.40.0117.4210.0110.0110.01Nebos Socies Journal ConstraintsDec.40.0117.4210.0110.0110.0110.01Nebos Socies Journal ConstraintsDec.40.0117.4210.01 </td <td>National Science Foundation</td> <td></td> <td></td> <td></td> <td>NATIONAL SCIENCE FOUNDATION</td> <td></td> <td>-</td>	National Science Foundation				NATIONAL SCIENCE FOUNDATION		-
Nacou Score Function         Driel         47.07         17.080         Matheway Score Function         99.11         99.11           Nacou Score Function         Dree         47.04         17.021         Matheway Score Function         17.03         17.000           Nacou Score Function         Dree         47.04         17.043         17.043         17.043           Nacou Score Function         Dree         47.04         17.043							-
Index descent foundationDer.17.0717.07.07National Science FoundationNational							-
Naces Sevent Sevent con         Orient         17.203         Disks Sevent Sevent constraints         17.203         National Sevent Sevent constraints         17.203           Naces Sevent Sevent constraints         18.70         Naces Sevent Constraints         18.70         18.70         Naces Sevent Constraints         18.70         18.70         Naces Sevent Constraints         18.70         <							- 21,877
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Induct Secure SuperSuperSuperSuperSuperSuperSuperSuper	National Science Foundation	Direct	47.074	1754357	NATIONAL SCIENCE FOUNDATION	37,353	-
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National Science Foundation         Direct         47.076         1661064         NATIONAL SCIENCE FOUNDATION           National Science Foundation         Direct         47.076         1661236         NATIONAL SCIENCE FOUNDATION	56,513	-
National Science Foundation Direct 47.076 1661236 NATIONAL SCIENCE FOUNDATION	79,921 95,629	-
	273,815	-
National Science Foundation         Direct         47.076         1702592         NATIONAL SCIENCE FOUNDATION	20,091	-
National Science Foundation         Direct         47.076         1708506         NATIONAL SCIENCE FOUNDATION           National Science Foundation         Direct         47.076         1708506         NATIONAL SCIENCE FOUNDATION	99,506	88,112
National Science Foundation         Direct         47.076         1708664         NATIONAL SCIENCE FOUNDATION           National Science Foundation         Direct         47.076         1711260         NATIONAL SCIENCE FOUNDATION	27,491 63,155	-
National Science Foundation Direct 47.076 1711660 INTONE Science Foundation	168,566	29,593
National Science Foundation Direct 47.076 1713197 NATIONAL SCIENCE FOUNDATION	72,685	-
National Science Foundation         Direct         47.076         1719950         NATIONAL SCIENCE FOUNDATION           National Science Foundation         Direct         47.076         1719950         NATIONAL SCIENCE FOUNDATION	1,621	-
National Science Foundation         Direct         47.076         1719950         NATIONAL SCIENCE FOUNDATION           National Science Foundation         Direct         47.076         1725320         NATIONAL SCIENCE FOUNDATION	6,006 312,385	- 63,118
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National Science Foundation Direct 47.076 1725521 NATIONAL SCIENCE FOUNDATION	134,654	-
National Science Foundation         Direct         47.076         1725910         NATIONAL SCIENCE FOUNDATION           National Science Foundation         Direct         47.076         1725956         NATIONAL SCIENCE FOUNDATION	153,419 114,929	-
National Science Foundation         Direct         47.0/b         1/2595b         NATIONAL SCIENCE FOUNDATION           National Science Foundation         Direct         47.0/b         1/2515         NATIONAL SCIENCE FOUNDATION	114,929 42,412	-
National Science Foundation Direct 47.076 1741575 NATIONAL SCIENCE FOUNDATION	348,564	56,407
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National Science Foundation         Direct         47.076         1812916         NATIONAL SCIENCE FOUNDATION           National Science Foundation         Direct         47.076         1813047         NATIONAL SCIENCE FOUNDATION	3,220 339,756	-
National Science Foundation Direct 47.076 1835946 INTOINE Science Foundation	2,310	-
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National Science Foundation         Direct         47.076         1836685         NATIONAL SCIENCE FOUNDATION           National Science Foundation         Direct         47.076         1836685         NATIONAL SCIENCE FOUNDATION	19,213	-
National Science Foundation         Direct         47.076         1836685         NATIONAL SCIENCE FOUNDATION           National Science Foundation         Direct         47.076         1842037         NATIONAL SCIENCE FOUNDATION	32,905 10,033	-
National Science Foundation         Direct         47.076         1642037         INFLORME Science Foundation           National Science Foundation         Direct         47.076         1842037         NATIONAL SCIEnce FOUNDATION	267,174	-
National Science Foundation Direct 47.076 1848739 NATIONAL SCIENCE FOUNDATION	1,617,298	-
National Science Foundation Direct 47.076 1907506 NATIONAL SCIENCE FOUNDATION	175,197	-
National Science Foundation Direct 47.076 1908084 NATIONAL SCIENCE FOUNDATION	23,420	-

IntTotalT						Year Ended Ju	ne 30, 2020
NameNon-Starter	Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
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National Science Foundation         Pass through         47.049         76749/1136652/28.00         STON BBOCK UNIVERSITY         156, 165         -           National Science Foundation         Pass through         47.049         76749/1136652/28.00         THE RESEARCH FOUNDATION FOR THE STATE UNIV OF NEW YORK         122, 133         -           National Science Foundation         Pass-through         47.049         76749-1136652/2         STOW BROCK UNIVERSITY OF NEW YORK         122, 133         -           National Science Foundation         Pass-through         47.049         SSR805         UNIVERSITY OF WISCONSIN MADISON         142, 736         -           National Science Foundation         Pass-through         47.049         SSR805         UNIVERSITY OF WISCONSIN MADISON         122, 22, 27         -           National Science Foundation         Pass-through         47.049         SR871         SR8         SR8         - <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></td<>							-
National Science Foundation         Pass-througin         7764/1136652/28&D         THE RESEARCH FOUNDATION FOR THE STATE LINV OF NEW YORK         32,744         S           National Science Foundation         Pass-througin         7764/1136652/28&D         THE RESEARCH FOUNDATION FOR THE STATE LINV OF NEW YORK         122,03         -           National Science Foundation         Pass-througin         7764/1136652/28 <d< td="">         UNIVERSITY OF WISC ONSIN MADISON         412,73         -           National Science Foundation         Pass-througin         7764         585,800         UNIVERSITY OF WISC ONSIN MADISON         412,73         -           National Science Foundation         Pass-througin         7764         0.056,201,713         AMER PHYSICAL SOCIETY         2,764         -           National Science Foundation         Pass-througin         7764         58,471         MASSACHUSETTS INTS OF TECHNOLOGY         2,2466         -           National Science Foundation         Pass-througin         4705         0.010192-MSUID         0.00410005         UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN         9,928         -           National Science Foundation         Pass-througin         4705         0.00416006         UNIVERSITY OF MICHIGAN         36,304         -           National Science Foundation         Pass-througin         4705         0.04146006</d<>		-					-
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National Science Foundation         Pass-through         47.070         3003646555         UNIVERSITY OF MICHIGAN         2,500         -           National Science Foundation         Pass-through         47.070         3003646555         UNIVERSITY OF MICHIGAN         226,527         -           National Science Foundation         Pass-through         47.070         4004103C         IOWA STATE UNIV         3,523         -           National Science Foundation         Pass-through         47.070         404103C         IOWA STATE UNIV         43,088         -           National Science Foundation         Pass-through         47.074         15.571         ARIZONA STATE UNIV         43,088         -           National Science Foundation         Pass-through         47.074         15.571         ARIZONA STATE UNIV         7,076         -           National Science Foundation         Pass-through         47.074         17.6340         UNIVERSITY OF KENTUCKY         18,873         -           National Science Foundation         Pass-through         47.074         20.56-984-001         SAMUEL ROBERTS NOBLE FOUNDATION INC         229,312         -           National Science Foundation         Pass-through         47.074         20.66-088         IOWA STATE UNIV         39,840         -	National Science Foundation	Pass-through	47.070	100987-1	CLARKSON UNIV	27,178	-
National Science Foundation         Pass-through         47.070         3003646555         UNIVERSITY OF MICHIGAN         226,787         -           National Science Foundation         Pass-through         47.070         4044103C         IOWA STATE UNIV         3,523         -           National Science Foundation         Pass-through         47.070         47950-19057         VIRGINA TECH         43,088         -           National Science Foundation         Pass-through         47.074         15-571         ARIZONA STATE UNIV         7,076         -           National Science Foundation         Pass-through         47.074         1716340         UNIVERSITY OF KENTUCKY         1,873         -           National Science Foundation         Pass-through         47.074         2015-984-001         SAMUEL ROBERTS NOBLE FOUNDATION INC         29,382         -           National Science Foundation         Pass-through         47.074         202-66-088         IOWA STATE UNIV         93,840         -							-
National Science Foundation         Pass-through         47.070         4044103C         IOW ASTATE UNIV         3,523         -           National Science Foundation         Pass-through         47.070         479590-19057         VIRGINIA TECH         43,083         -           National Science Foundation         Pass-through         47.074         15-571         ARIZONA STATE UNIV         7,076         -           National Science Foundation         Pass-through         47.074         15-571         ARIZONA STATE UNIV         7,076         -           National Science Foundation         Pass-through         47.074         176340         UNIVERSITY OF KENTUCKY         1,873         -           National Science Foundation         Pass-through         47.074         2015-984-001         SAMUEL ROBERTS NOBLE FOUNDATION INC         229,312         -           National Science Foundation         Pass-through         47.074         202-66-088         IOWA STATE UNIV         93,840         -		-					
National Science Foundation         Pass-through         47.070         479500-19057         VIRGINIA TECH         43,088         -           National Science Foundation         Pass-through         47.074         15.571         ARIZONA STATE UNIV         7,076         -           National Science Foundation         Pass-through         47.074         1716340         UNIVERSITY OF KENTUCKY         11,873         -           National Science Foundation         Pass-through         47.074         2015-984-001         SAMUEL ROBERTS NOBLE FOUNDATION INC         229,312         -           National Science Foundation         Pass-through         47.074         2016-088         IOWA STATE UNIV         93,840         -							-
National Science Foundation         Pass-through         47.074         17.6340         UNIVERSITY OF KENTUCKY         11.873         -           National Science Foundation         Pass-through         47.074         2015-984-001         SAMUEL ROBERTS NOBLE FOUNDATION INC         223,92         -           National Science Foundation         Pass-through         47.074         420-66-088         IOWA STATE UNIV         93,840         -	National Science Foundation	Pass-through	47.070	479590-19057	VIRGINIA TECH	43,088	-
National Science Foundation         Pass-through         47.074         2015-984-001         SAMUEL ROBERTS NOBLE FOUNDATION INC         229,312         -           National Science Foundation         Pass-through         47.074         420-66-08B         IOWA STATE UNIV         93,840         -							-
National Science Foundation         Pass-through         47.074         420-66-08B         IOWA STATE UNIV         93,840         -							-
National Science Foundation         Pass-through         47.074         42271         SAINT LOUIS UNIV         64,805         42,571	National Science Foundation	Pass-through	47.074	420-66-08B	IOWA STATE UNIV	93,840	-
	National Science Foundation	Pass-through	47.074	42271	SAINT LOUIS UNIV	64,805	42,571

					Year Ended Ju	ne 30, 2020
	Direct/	CFDA			Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
RESEARCH AND DEVELOPMENT CLUSTER (CONT	INUED)					
National Science Foundation	Pass-through	47.074	50124-1-FDP	FIELD MUSEUM	\$ 10,776	\$-
National Science Foundation	Pass-through	47.074	502294-78050	NORTHEASTERN UNIV	15,803	-
National Science Foundation National Science Foundation	Pass-through	47.074 47.074	A18-0247-S001 CB2960-SB-897821	UNIVERSITY OF TENNESSEE KNOXVILLE UNIVERSITY OF IDAHO	81,868 62,960	-
National Science Foundation	Pass-through Pass-through	47.074	RR167-629/S001557	UNIVERSITY OF IDARO	417,199	-
National Science Foundation	Pass-through	47.074	SUBK00008579	UNIVERSITY OF MICHIGAN	28,643	-
National Science Foundation	Pass-through	47.074	UFDSP00010707	UNIVERSITY OF FLORIDA	39,131	-
National Science Foundation	Pass-through	47.074	UNR 17-21	UNIVERSITY OF NEVADA RENO	115,946	-
National Science Foundation National Science Foundation	Pass-through	47.075 47.075	17-009496 A 997121	UNIVERSITY OF MASSACHUSETTS NEW JERSEY INST OF TECHNOLOGY	(1) 5,270	-
National Science Foundation	Pass-through Pass-through	47.075	A19-0386-S001	UNIVERSITY OF ALABAMA	14,437	-
National Science Foundation	Pass-through	47.075	MSU-NSF-Forest Fuels	NORTHERN MICHIGAN UNIV	20,417	-
National Science Foundation	Pass-through	47.076	000000428	UNIVERSITY OF WISCONSIN MADISON	11,505	-
National Science Foundation	Pass-through	47.076	000000470	UNIVERSITY OF WISCONSIN	47,122	-
National Science Foundation	Pass-through	47.076	002	WESTMINSTER COLLEGE	21,561	-
National Science Foundation National Science Foundation	Pass-through Pass-through	47.076 47.076	10051886-S2 16043-003	UNIVERSITY OF UTAH MISSOURI STATE UNIV	15,040 1,674	-
National Science Foundation	Pass-through	47.076	16043-003	MISSOURI STATE UNIV	14,524	-
National Science Foundation	Pass-through	47.076	3004280408	UNIVERSITY OF MICHIGAN	32,991	-
National Science Foundation	Pass-through	47.076	3004280408	UNIVERSITY OF MICHIGAN	47,341	-
National Science Foundation	Pass-through	47.076	782K493	UNIVERSITY OF WISCONSIN MADISON	17,667	-
National Science Foundation National Science Foundation	Pass-through Pass-through	47.076 47.076	782K493 856K424	UNIVERSITY OF WISCONSIN MADISON UNIVERSITY OF WISCONSIN	61,708 82,196	-
National Science Foundation National Science Foundation	Pass-through Pass-through	47.076	9109-0003	ASSOCIATED UNIVERSITIES INC	77,114	-
National Science Foundation	Pass-through	47.076	GA11161 150025	UNIVERSITY OF VIRGINIA	4,846	-
National Science Foundation	Pass-through	47.076	SUBK00012102	UNIVERSITY OF MICHIGAN	6,199	-
National Science Foundation	Pass-through	47.076	Z4625001	UNIVERSITY OF MARYLAND	12,238	-
National Science Foundation National Science Foundation	Pass-through Pass-through	47.079 47.079	13-NSF-1036 OISE-16-62750-0	DUKE UNIV CRDF GLOBAL	47,731 (577)	-
National Science Foundation National Science Foundation	Pass-through Pass-through	47.079	KK2030	UNIVERSITY OF CALIFORNIA SANTA BARBARA	(577) 24,861	-
	Pass-through T				4,923,207	42,571
	National Science	e Foundation	n Total		82,410,296	6,686,130
US Dept of State	Direct	19.RD	19AQMM18P1797	US DEPT OF STATE	52,634	26,802
US Dept of State	Direct	19.RD 19.RD	19AQMM18P1797 19AQMM18P1798	US DEPT OF STATE	77,382	30,603
US Dept of State	Direct	19.RD	19AQMM19P0582	US DEPT OF STATE	102,792	-
US Dept of State	Direct	19.RD	19AQMM19P1638	US DEPT OF STATE	7,722	-
US Dept of State	Direct	19.345	S-LMAQM-17-GR-1177	US DEPT OF STATE	2,573	
US Dept of State	Direct Total Pass-through	19.RD	SKZ100-19-CA-0149	AMER COUNCILS FOR INTL EDUCATION	243,103 2,315	57,405
03 Dept of State	Pass-through T		3K2100-19-CA-0149	AWER COUNCIES FOR INTE EDUCATION	2,315	
	US Dept of Stat				245,418	57,405
US Dont of Transportation	Direct	20 701	DIDITA C LITCAA		72 826	50 433
US Dept of Transportation US Dept of Transportation	Direct Direct	20.701 20.724	DTRT13-G-UTC44 693JK31850007CAAP	US DEPT OF TRANSPORTATION US DEPT OF TRANSPORTATION	72,836 148,953	50,432 29,352
03 Dept of transportation	Direct Total	20.724	0531831830007CAAP	US DEFT OF TRANSPORTATION	221,789	79,784
US Dept of Transportation	Pass-through	20.RD	000000241	UNIVERSITY OF WISCONSIN MADISON	45,188	-
US Dept of Transportation	Pass-through	20.RD	2013-0066	MICHIGAN DEPT OF TRANSPORTATION	1,624	-
US Dept of Transportation	Pass-through	20.RD	2018-0045	MICHIGAN DEPT OF TRANSPORTATION	57,225	-
US Dept of Transportation	Pass-through Pass-through	20.RD 20.RD	436-17-42B 436-17-48B	IOWA STATE UNIV IOWA STATE UNIV	4,421 66,091	-
US Dept of Transportation US Dept of Transportation	Pass-through	20.200	1035211	MINNESOTA DEPT OF TRANSPORTATION	22,908	-
US Dept of Transportation	Pass-through	20.200	1035212	MINNESOTA DEPT OF TRANSPORTATION	20,231	-
US Dept of Transportation	Pass-through	20.200	2018-0813	MICHIGAN DEPT OF TRANSPORTATION	45,823	-
US Dept of Transportation	Pass-through	20.200	C00062898-2	UNIVERSITY OF MISSOURI	13,648	-
US Dept of Transportation	Pass-through	20.200	NCHRP-218	NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM	58,363	-
US Dept of Transportation US Dept of Transportation	Pass-through Pass-through	20.200 20.215	S-778-003613-00-MSU 436-17-35B	APPLIED RESEARCH ASSOCIATES INC IOWA STATE UNIV	4,585 53,460	-
US Dept of Transportation	Pass-through	20.505	2013-0066-Z10	MICHIGAN DEPT OF TRANSPORTATION	41,981	-
US Dept of Transportation	Pass-through	20.505	2018-0074	MICHIGAN DEPT OF TRANSPORTATION	75,758	-
US Dept of Transportation	Pass-through	20.505	2019-0275	MICHIGAN DEPT OF TRANSPORTATION	91,570	-
US Dept of Transportation	Pass-through	20.505	2019-0289	MICHIGAN DEPT OF TRANSPORTATION	68,062	-
US Dept of Transportation US Dept of Transportation	Pass-through Pass-through	20.505 20.505	2019-0295 2019-0369	MICHIGAN DEPT OF TRANSPORTATION MICHIGAN DEPT OF TRANSPORTATION	74,762 70,707	-
US Dept of Transportation	Pass-through	20.505	2019-0389 2019-0442	MICHIGAN DEPT OF TRANSPORTATION MICHIGAN DEPT OF TRANSPORTATION	90,251	-
US Dept of Transportation	Pass-through	20.505	2019-0996	MICHIGAN DEPT OF TRANSPORTATION	46,372	-
US Dept of Transportation	Pass-through	20.505	2019-0997	MICHIGAN DEPT OF TRANSPORTATION	87,071	10,114
US Dept of Transportation	Pass-through	20.505	2019-1007 2020-0235	MICHIGAN DEPT OF TRANSPORTATION MICHIGAN DEPT OF TRANSPORTATION	21,247	-
US Dept of Transportation US Dept of Transportation	Pass-through Pass-through	20.505 20.723	2020-0235 \$830	MICHIGAN DEPT OF TRANSPORTATION GAS TECHNOLOGY INST	22,800 88,394	-
US Dept of Transportation	Pass-through	20.725	04540_MSU	UNIVERSITY OF AKRON	34,661	-
US Dept of Transportation	Pass-through	20.724	17-158	ARIZONA STATE UNIV	(229)	-
US Dept of Transportation	Pass-through	20.724	401493-5801	COLORADO SCHOOL OF MINES	24,461	-
US Dept of Transportation	Pass-through	20.724	FY16.675.001	UNIVERSITY OF COLORADO DENVER	(257)	-
	Pass-through T US Dept of Trai		otal		1,231,178 1,452,967	10,114 89,898
US Dept of Treasury	Pass-through	21.010	App 143072/154144	MICHIGAN HOMEOWNER ASSISTANCE NONPROFIT HOUSING CORP	172,460	
	Pass-through T US Dept of Trea				172,460	
US Agency for International Development	Direct	98.001	2017X240.MSU	INTL FOOD POLICY RESEARCH INST	66,348	-
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	32,825	-
US Agency for International Development US Agency for International Development	Direct Direct	98.001 98.001	7200AA18LE00003 7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT US AGENCY FOR INTL DEVELOPMENT	40,932 87,531	-
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	1,166,346	211,008
US Agency for International Development	Direct	98.001	7200AA18LE00003	US AGENCY FOR INTL DEVELOPMENT	3,064	-
US Agency for International Development	Direct	98.001	7200AA19LA00003	US AGENCY FOR INTL DEVELOPMENT	444,388	274,501
US Agency for International Development	Direct	98.001	7200AA19LE00001	US AGENCY FOR INTL DEVELOPMENT	1,004,423	316,733
US Agency for International Development US Agency for International Development	Direct Direct	98.001 98.001	COVID-19 - 7200AA20LA00002 72062119LA00001	US AGENCY FOR INTL DEVELOPMENT US AGENCY FOR INTL DEVELOPMENT	18,132 599,941	-
US Agency for International Development	Direct	98.001	AID-482-LA-14-00003	US AGENCY FOR INTL DEVELOPMENT	528,584	118,246
US Agency for International Development	Direct	98.001	AID-620-LA-15-00001	US AGENCY FOR INTL DEVELOPMENT	2,658,046	2,299,240
US Agency for International Development	Direct	98.001	AID-688-A-16-00001	US AGENCY FOR INTL DEVELOPMENT	762,957	4,899

# Schedule of Expenditures of Federal Awards

Year	Ended	June	30,	2020

					Year Ended Jun	ie 30, 2020
	Direct	CEDA			Tatal	
Endored Assess	Direct/	CFDA	Auged Number	Cranker Nome	Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
DECEMBER AND DEVELOPMENT OF VETER (						
RESEARCH AND DEVELOPMENT CLUSTER (CONTIN	UED) Direct	98.001	AID-OAA-A-15-00056	US AGENCY FOR INTL DEVELOPMENT	\$ 1,013,194	\$ 455,297
US Agency for International Development						
US Agency for International Development	Direct	98.001	AID-OAA-F-16-00082	US AGENCY FOR INTL DEVELOPMENT	283,678	111,587
US Agency for International Development	Direct	98.001	AID-OAA-L13-00001	US AGENCY FOR INTL DEVELOPMENT	745,886	-
US Agency for International Development	Direct	98.001	AID-OAA-L-13-00001 AID-OAA-L-13-00001	US AGENCY FOR INTL DEVELOPMENT	2,766	-
US Agency for International Development	Direct	98.001		US AGENCY FOR INTL DEVELOPMENT	21,789	(456)
US Agency for International Development	Direct	98.001	AID-OAA-L-13-00001	US AGENCY FOR INTL DEVELOPMENT	57,539	50,957
US Agency for International Development	Direct	98.001	AID-OAA-L-13-00001	US AGENCY FOR INTL DEVELOPMENT	97,765	64,993
US Agency for International Development	Direct	98.001	AID-OAA-L-13-00001	US AGENCY FOR INTL DEVELOPMENT	467,601	392,700
US Agency for International Development	Direct	98.001	AID-OAA-L-13-00001	US AGENCY FOR INTL DEVELOPMENT	524,166	76,506
US Agency for International Development	Direct	98.001	AID-OAA-L-13-00001	US AGENCY FOR INTL DEVELOPMENT	1,099,096	469,330
US Agency for International Development	Direct	98.001	AID-OAA-L-13-00001	US AGENCY FOR INTL DEVELOPMENT US AGENCY FOR INTL DEVELOPMENT	(1,184)	-
US Agency for International Development	Direct	98.001	AID-OAA-LA-14-00005		21,904	(62,744)
US Agency for International Development	Direct	98.001	AID-OAA-LA-17-00002	US AGENCY FOR INTL DEVELOPMENT	38,487	-
US Agency for International Development	Direct	98.001	Basso ILLSR Award	US AGENCY FOR INTL DEVELOPMENT	89,200	-
US Agency for International Development	Direct	98.001	Olabisi ILLSR Award	US AGENCY FOR INTL DEVELOPMENT	104,056	-
	Direct Total				11,979,460	4,782,797
US Agency for International Development	Pass-through	98.001	00362418	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	20	-
US Agency for International Development	Pass-through	98.001	00460011	INTL FERTILIZER DEVELOPMENT CENTER	75,224	-
US Agency for International Development	Pass-through	98.001	078517-15682	UNIVERSITY OF ILLINOIS	127,136	44,418
US Agency for International Development	Pass-through	98.001	1210691	RUTGERS UNIV	27,318	-
US Agency for International Development	Pass-through	98.001	148524	INTL INST FOR TROPICAL AGRICULTURE	16,700	-
US Agency for International Development	Pass-through	98.001	1860-000-ProLand-001	TETRA TECH INC	44,153	-
US Agency for International Development	Pass-through	98.001	2017X240.MSU	INTL FOOD POLICY RESEARCH INST	619,348	-
US Agency for International Development	Pass-through	98.001	A20-1825-S006	UNIVERSITY OF CALIFORNIA DAVIS	3,878	-
US Agency for International Development	Pass-through	98.001	MA1279	UNIVERSITY OF HAWAII	42,261	-
US Agency for International Development	Pass-through	98.001	MTO 069018	INTL INST FOR TROPICAL AGRICULTURE	(375)	-
US Agency for International Development	Pass-through	98.001	Prime AID-BFS-G11-00002	INTL INST FOR TROPICAL AGRICULTURE	310,012	-
US Agency for International Development	Pass-through	98.001	S16058	KANSAS STATE UNIV	66,542	9,172
US Agency for International Development	Pass-through	98.001	\$16058	KANSAS STATE UNIV	109,394	97,456
US Agency for International Development	Pass-through	98.001	\$17182	KANSAS STATE UNIV	45,203	29,715
ce oeney tor international bevelopment	Pass-through To				1,486,814	180,761
			Development Tetal			
			Development Total INT CLUSTER TOTAL		13,466,274 328.270.054	4,963,558 40,949,132
	REJEARCH AND	DEVELOPIVIE	AT CLOSIER IVIAL		520,270,054	40,343,132
STUDENT FINANCIAL ASSISTANCE PROGRAMS CLU	STER					
US Dept of Education	Direct	84.007	P007A102046	U.S. DEPT OF EDUCATION	1,424,763	-
US Dept of Education	Direct	84.007	P033A102045	U.S. DEPT OF EDUCATION	1,424,703	-
	Direct	84.033	P033A102045	U.S. DEPT OF EDUCATION		
US Dept of Education					6,805	-
US Dept of Education	Direct	84.033	P033A102045	U.S. DEPT OF EDUCATION	49,865	-
US Dept of Education	Direct	84.033	P033A102045	U.S. DEPT OF EDUCATION	57,871	-
US Dept of Education	Direct	84.033	P033A102045	U.S. DEPT OF EDUCATION	482,818	-
US Dept of Education	Direct	84.033	P033A102045	U.S. DEPT OF EDUCATION	2,902,604	-
US Dept of Education	Direct	84.063	P063P110233 PELL ADMIN ALLOWANCE	U.S. DEPT OF EDUCATION	44,720	-
US Dept of Education	Direct	84.038	Various Perkins	U.S. DEPT OF EDUCATION	24,492,018	-
US Dept of Education	Direct	84.063	P063P110233	U.S. DEPT OF EDUCATION	(35,977)	-
US Dept of Education	Direct	84.063	P063P110233	U.S. DEPT OF EDUCATION	44,686,848	-
US Dept of Education	Direct	84.268	FED DIRECT LOAN PROGRAM	U.S. DEPT OF EDUCATION	332,142,771	-
US Dept of Education	Direct	84.268	FED DIRECT LOAN PROG-98 AID YR	U.S. DEPT OF EDUCATION	1,969,061	-
US Dept of Education	Direct	84.379	P379T110233	U.S. DEPT OF EDUCATION	1,407	-
US Dept of Education	Direct	84.379	P379T110233	U.S. DEPT OF EDUCATION	65,696	-
	US Dept of Edu	ation Total			408,291,384	-
			VARIOUS - NURSING FACULTY PROG			
US Dept of Health and Human Services	Direct	93.264	STUDENT LOANS	HEALTH RESOURCES & SERVICES ADMIN -PHS	403,723	
			VARIOUS - HEALTH PROFESSIONAL			
US Dept of Health and Human Services	Direct	93.342	STUDENT LOANS	HEALTH RESOURCES & SERVICES ADMIN -PHS	13,746,637	
os bepe of fredrit and framan services	Direct	55.542	VARIOUS - NURSING PROFESSION		25,740,057	
US Dept of Health and Human Services	Direct	93.364	STUDENT LOANS	HEALTH RESOURCES & SERVICES ADMIN -PHS	3.611	
os bepe or nearch and numan services			In Services Total	TEACHT RESOURCES & SERVICES ADMIN 1115	14,153,971	
			ANCE PROGRAMS CLUSTER TOTAL		422.445.355	<u> </u>
	STODENTTINA					
ECONOMIC DEVELOPMENT CLUSTER						
US Dept of Commerce	Direct	11.300	EDA 06-01-05931	ECONOMIC DEVELOPMENT ADMINISTRATION	(585,370)	-
os septor connecte	US Dept of Con		25,700 01 05551		(585,370)	<u> </u>
	ECONOMIC DEV		LUSTER TOTAL		(585,370)	
					(555)576)	
HEAD START CLUSTER						
US Dept of Health and Human Services	Pass-through	93.600	05CH8365	CACS HEAD START	(9,581)	-
US Dept of Health and Human Services	Pass-through	93.600	05CH8365	CACS HEAD START	151,087	-
US Dept of Health and Human Services	Pass-through	93.600	IP 00455620 East Lansing	CACS HEAD START	59,643	-
os sept of fleath and flaman services			In Services Total		201,149	<u> </u>
	HEAD START CL				201,149	
FISH AND WILDLIFE CLUSTER						
US Dept of Interior	Pass-through	15.611	C00047758-3	UNIVERSITY OF MISSOURI	36,485	-
US Dept of Interior	Pass-through	15.611	MSU-001	NEVADA DEPARTMENT OF WILDLIFE	196,661	22,436
	US Dept of Inte				233,146	22,436
	FISH AND WILD		TOTAL		233,140	22,430
					255,140	-2,455
FOREIGN FOOD AID DONATION CLUSTER						
US Dept of Agriculture	Pass-through	10.606	19-SQIL-A-A-1255	LAND O LAKES INC	12,425	-
US Dept of Agriculture	Pass-through	10.606	19-5QIL-A-A-1255 S-MSU03	TECHNOSERVE	12,425	61,566
			S-MSU03 17-MSIKA-A-A-657	LAND O LAKES INC		
US Dept of Agriculture	Pass-through	10.606	11-INISINA-A-A-A-05/	LAND U LAKES INC	127,327	12,299
	US Dept of Agri				329,937	73,865
	FOREIGN FOOD	AID DONATI	ON CLUSTER TOTAL		329,937	73,865
HIGHWAY PLANNING CLUSTER AND CONSTRUCTION						
US Dept of Transportation	Pass-through	20.205	12-S171220	TEXAS AANDM TRANSPORTATION INST	10,468	-
US Dept of Transportation	Pass-through	20.205	2017087 Job No 207859	MICHIGAN FITNESS FOUNDATION	67,416	-
US Dept of Transportation	Pass-through	20.205	MSUAP01-CEE	MICHIGAN FITNESS FOUNDATION	72,502	-
US Dept of Transportation	Pass-through	20.205	MSUAP01-CEE	MICHIGAN FITNESS FOUNDATION	130,237	-
US Dept of Transportation	Pass-through	20.205	MSUAP01-SPDC	MICHIGAN FITNESS FOUNDATION	43,523	-
US Dept of Transportation	Pass-through	20.205	P732-19-803	STATE OF NEVADA DEPT OF TRANSPORTATION	25,595	-
	US Dept of Trar				349,741	-
			ONSTRUCTION CLUSTER TOTAL		349,741	

					Year Ended Jui	ne 30, 2020
	Direct/	CFDA			Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
HIGHWAY SAFETY CLUSTER US Dept of Transportation	Pass-through	20.616	OP-19-03	MICHIGAN OFFICE OF HIGHWAY SAFETY PLANNING	\$ 50,701	\$ 18,711
US Dept of Transportation	Pass-through	20.616	OP2003	MICHIGAN OFFICE OF HIGHWAY SAFETY PLANNING	7,751	-
	US Dept of Trai				58,452	18,711
	HIGHWAY SAFE	TY CLUSTER 1	OTAL		58,452	18,711
MEDICAID CLUSTER						
US Dept of Health and Human Services	Pass-through	93.778	E20191317-00-AF	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	77,073	-
US Dept of Health and Human Services	Pass-through	93.778	E20191319-00-AN	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	22,244	-
US Dept of Health and Human Services	Pass-through	93.778	E20192185-00-0-AB E20192890-00-AQ	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	13,800	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.778 93.778	E20192890-00-AQ E20192891-00-AR	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	44,473 70,241	-
US Dept of Health and Human Services	Pass-through	93.778	E20193095-00 AS	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	6,098	-
US Dept of Health and Human Services	Pass-through	93.778	E20193273-00 BD	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	109,177	-
US Dept of Health and Human Services	Pass-through	93.778	E20200895-00-X	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	76,908	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.778 93.778	E20200896-00; 20200031-00 E20201677-00; 20200031-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	114,983 2,977	-
US Dept of Health and Human Services	Pass-through	93.778	E20201305-00; 20200031-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	22,847	-
US Dept of Health and Human Services	Pass-through	93.778	E20202301-00-Y	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	203,694	-
US Dept of Health and Human Services	Pass-through	93.778	E20202448-00-L	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	327,335	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.778 93.778	E20203172-00-P E20203790-00-AS	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	209,683 123,711	-
os bept of freatur and framan services			n Services Total		1,425,244	
	MEDICAID CLUS	STER TOTAL			1,425,244	-
SNAP CLUSTER US Dept of Agriculture	Pass-through	10.561	E20192773-00-AJ	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	1,872,518	
US Dept of Agriculture	Pass-through	10.561	E20192892-00-AG	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	96,502	42,531
US Dept of Agriculture	Pass-through	10.561	E20201941-00/20200031-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	5,339,405	-
US Dept of Agriculture	Pass-through	10.561	E20201943-00-AF	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	145,145	
	US Dept of Agri SNAP CLUSTER				7,453,570 7,453,570	42,531 42,531
	SNAF CLUSTER	IOTAL			7,433,370	42,551
TRIO CLUSTER						
US Dept of Education	Direct	84.042	P042A150804	US DEPT OF EDUCATION	544,343	-
US Dept of Education	Direct US Dept of Edu	84.044	P044A160125	US DEPT OF EDUCATION	204,200 748,543	
	TRIO CLUSTER				748,543	<u> </u>
CDBG Cluster:						
US Dept of Housing and Urban Development	Pass-through	14.218	EL B-18-MC-26-0024 an Development Total	CITY OF EAST LANSING	142	
	CDBG Cluster T		in Development Total		142	
CCDF CLUSTER						
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.596 93.596	BCHS/MSU FY19 BCHS/MSU FY19	MICHIGAN DEPT OF LICENSING AND REGULATORY AFFAIRS MICHIGAN DEPT OF LICENSING AND REGULATORY AFFAIRS	82,061 125,676	41,769 49,493
03 Dept of Health and Human Services			n Services Total	MICHIGAN DEFT OF LICENSING AND REGULATORY AFFAIRS	207,737	91,262
	TOTAL CCDF CL				207,737	91,262
OTHER FEDERAL AWARDS						
US Dept of Agriculture	Direct	10.U01	16-CS-11090400-038	USDA FOREST SERVICE	2,002	-
US Dept of Agriculture	Direct	10.U02	18-PA-11090400-040	USDA FOREST SERVICE	62,145	-
US Dept of Agriculture	Direct	10.U03	18-TMMSD-MI-0001	US DEPT OF AGRICULTURE	40,050	-
US Dept of Agriculture	Direct	10.U04	19-CS-11132400-141	USDA FOREST SERVICE	72,399	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.001 10.001	45-5484-8-0019 PHONE 59-6040-9-002	USDA - FOREST SERVICE US DEPT OF AGRICULTURE	4,913 12,000	-
US Dept of Agriculture	Direct	10.001	GENERAL FISCAL AGENT	USDA - FOREST SERVICE	1,998	-
US Dept of Agriculture	Direct	10.172	AM180100XXXXG125	AGRICULTURAL MARKETING SERVICE	107,814	51,907
US Dept of Agriculture	Direct	10.174	AM180100XXXXG153	US DEPT OF AGRICULTURE	81,485	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.210 10.210	2015-38420-23697 2017-38420-26759	US DEPT OF AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	31,138 58,444	-
US Dept of Agriculture	Direct	10.210	2017-38420-26823	NATIONAL INST OF FOOD AND AGRICULTURE	55,665	-
US Dept of Agriculture	Direct	10.217	2019-70003-29088	US DEPT OF AGRICULTURE	5,843	1,118
US Dept of Agriculture	Direct	10.220	2018-38413-28142	US DEPT OF AGRICULTURE	39,589	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.220 10.304	2018-38413-28143 2017-37620-27296	US DEPT OF AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	37,246 184,063	-
US Dept of Agriculture	Direct	10.304	2018-67011-28006	NATIONAL INST OF FOOD AND AGRICULTURE	23,215	-
US Dept of Agriculture	Direct	10.310	2018-67012-27996	NATIONAL INST OF FOOD AND AGRICULTURE	54,143	-
US Dept of Agriculture	Direct	10.310	2019-67011-29619	AGRICULTURE AND FOOD RESEARCH INITIATIVE	38,074	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.310 10.310	2019-67012-29523 2019-67012-29595	NATIONAL INST OF FOOD AND AGRICULTURE AGRICULTURE AND FOOD RESEARCH INITIATIVE	81,726 77,738	-
US Dept of Agriculture	Direct	10.310	2019-67012-29716	NATIONAL INST OF FOOD AND AGRICULTURE	69,888	-
US Dept of Agriculture	Direct	10.310	2019-67012-29717	US DEPT OF AGRICULTURE	75,754	-
US Dept of Agriculture	Direct	10.310	2019-67012-29732	NATIONAL INST OF FOOD AND AGRICULTURE	61,215	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.311 10.311	2017-70017-26860 2017-70017-26860	NATIONAL INST OF FOOD AND AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	752 257,219	88,558
US Dept of Agriculture	Direct	10.329	2017-70006-27175	NATIONAL INST OF FOOD AND AGRICULTURE	1,000	-
US Dept of Agriculture	Direct	10.329	2017-70006-27175	NATIONAL INST OF FOOD AND AGRICULTURE	213,359	-
US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD AND AGRICULTURE	749	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.329 10.329	2018-70006-28883 2018-70006-28883	NATIONAL INST OF FOOD AND AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	7,239 15,979	-
US Dept of Agriculture US Dept of Agriculture	Direct	10.329	2018-70006-28883	NATIONAL INST OF FOOD AND AGRICULTURE	660,857	283,656
US Dept of Agriculture	Direct	10.336	2018-70024-28817	US DEPT OF AGRICULTURE	5,850	-
US Dept of Agriculture	Direct	10.336	2018-70024-28817	US DEPT OF AGRICULTURE	32,419	21,335
US Dept of Agriculture	Direct	10.500	2014-41590-22327	US DEPT OF AGRICULTURE	9,952	888
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.500 10.500	2014-48778-22647 2014-48778-22647	NATIONAL INST OF FOOD AND AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	(1,122) (100)	-
US Dept of Agriculture	Direct	10.500	2015-41595-24254	NATIONAL INST OF FOOD AND AGRICULTURE	1,509,341	1,502,008
US Dept of Agriculture	Direct	10.500	2018-39592-28959	NATIONAL INST OF FOOD AND AGRICULTURE	298,024	1,298
US Dept of Agriculture	Direct	10.500	2018-41590-28722	NATIONAL INST OF FOOD AND AGRICULTURE	117,032	52,928
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.511 10.511	41100-02200 SMITH-LEVER 41100-02200 SMITH-LEVER	USDA - AGRICULTURE U.S. DEPT. USDA - AGRICULTURE U.S. DEPT.	2 708	-
US Dept of Agriculture	Direct	10.511	41100-02200 SMITH-LEVER	USDA - AGRICULTURE U.S. DEPT.	7,908	-
US Dept of Agriculture	Direct	10.511	41100-02200 SMITH-LEVER	USDA - AGRICULTURE U.S. DEPT.	61,638	-

	Direct/	CFDA			Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
OTHER FEDERAL AWARDS (CONTINUED)						
US Dept of Agriculture	Direct	10.511	41100-02200 SMITH-LEVER	USDA - AGRICULTURE U.S. DEPT.	\$ 65,177	\$-
US Dept of Agriculture	Direct	10.511	41100-02200 SMITH-LEVER	USDA - AGRICULTURE U.S. DEPT.	76,773	-
US Dept of Agriculture	Direct	10.511	41100-02200 SMITH-LEVER 41100-02200 SMITH-LEVER	USDA - AGRICULTURE U.S. DEPT.	80,970 93,534	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.511 10.511	41100-02200 SMITH-LEVER 41100-02200 SMITH-LEVER	USDA - AGRICULTURE U.S. DEPT. USDA - AGRICULTURE U.S. DEPT.	95,534 118,131	-
US Dept of Agriculture	Direct	10.511	41100-02200 SMITH-LEVER	USDA - AGRICULTURE U.S. DEPT.	750,366	-
US Dept of Agriculture	Direct	10.511	41100-02200 SMITH-LEVER	USDA - AGRICULTURE U.S. DEPT.	1,080,180	-
US Dept of Agriculture	Direct	10.511	41100-02200 SMITH-LEVER	USDA - AGRICULTURE U.S. DEPT.	1,090,794	-
US Dept of Agriculture	Direct	10.511	41100-02200 SMITH-LEVER	USDA - AGRICULTURE U.S. DEPT.	1,879,711	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.511 10.511	41100-02200 SMITH-LEVER 41100-02200 SMITH-LEVER	USDA - AGRICULTURE U.S. DEPT. USDA - AGRICULTURE U.S. DEPT.	2,169,037 2,578,736	-
US Dept of Agriculture	Direct	10.511	EFNEP-EXT HN	USDA - AGRICULTURE U.S. DEPT.	1,729,100	-
US Dept of Agriculture	Direct	10.515	2017-46401-27162	NATIONAL INST OF FOOD AND AGRICULTURE	5,281	-
US Dept of Agriculture	Direct	10.515	2017-46401-27162	US DEPT OF AGRICULTURE	4,807	-
US Dept of Agriculture	Direct	10.515	2019-46401-30329	NATIONAL INST OF FOOD AND AGRICULTURE	5,736	-
US Dept of Agriculture	Direct	10.515	Renew Resources Project DIR	USDA - AGRICULTURE U.S. DEPT.	44,018	-
US Dept of Agriculture	Direct Direct	10.517 10.521	2017-41580-26940 2013-41520-20939	NATIONAL INST OF FOOD AND AGRICULTURE NATIONAL INST OF FOOD AND AGRICULTURE	88,171 (195)	-
US Dept of Agriculture US Dept of Agriculture	Direct	10.521	2013-41520-20939 2016-41520-25564	US DEPT OF AGRICULTURE	(195) 133,378	-
US Dept of Agriculture	Direct	10.521	FX19FE-10613R002	US DEPT OF AGRICULTURE	153,378	-
US Dept of Agriculture	Direct	10.777	FX17BF-10777R022	FOREIGN AGRICULTURAL SERVICE	(14,833)	-
US Dept of Agriculture	Direct	10.777	FX17BF-10777R035	FOREIGN AGRICULTURAL SERVICE	(403)	-
US Dept of Agriculture	Direct	10.777	FX17BF-10777R036	FOREIGN AGRICULTURAL SERVICE	618	-
US Dept of Agriculture	Direct	10.777	FX18BF-10777R010	FOREIGN AGRICULTURAL SERVICE	17,670	-
US Dept of Agriculture	Direct	10.777	FX18BF-10777R011	FOREIGN AGRICULTURAL SERVICE	3,060	-
US Dept of Agriculture	Direct	10.777	FX18BF-10777R033	FOREIGN AGRICULTURAL SERVICE	2,439	-
US Dept of Agriculture US Dept of Agriculture	Direct Direct	10.777 10.777	FX19BF-10777R002 FX19BF-10777R020	FOREIGN AGRICULTURAL SERVICE FOREIGN AGRICULTURAL SERVICE	19,997 29,024	-
US Dept of Agriculture	Direct	10.777	FX19BF-10777R039	FOREIGN AGRICULTURAL SERVICE	42,721	
US Dept of Agriculture	Direct	10.868	26-033-030879893	US DEPT OF AGRICULTURE	4,581	-
US Dept of Agriculture	Direct	10.868	26-033-030879893	US DEPT OF AGRICULTURE	32,134	-
US Dept of Agriculture	Direct	10.868	26-033-030879893	US DEPT OF AGRICULTURE	60,703	-
US Dept of Agriculture	Direct	10.902	NR193A750023G001	NATURAL RESOURCES CONSERVATION SERVICE	3,168	-
US Dept of Agriculture	Direct	10.902	NR1974820005C001	NATURAL RESOURCES CONSERVATION SERVICE	3,555	-
US Dept of Agriculture	Direct Direct	10.902 10.912	NR1974820005C002 69-5D21-18-001	NATURAL RESOURCES CONSERVATION SERVICE USDA-NATURAL RESOURCES CONSERVATION SERVICE	3,267	-
US Dept of Agriculture US Dept of Agriculture	Direct	10.912	NR185D21XXXXC002	NATURAL RESOURCES CONSERVATION SERVICE	30,019 32,502	-
US Dept of Agriculture	Direct	10.960	FAS 2015 - 2016	FOREIGN AGRICULTURAL SERVICE	110,316	-
US Dept of Agriculture	Direct	10.960	FX18TA-10960R018	FOREIGN AGRICULTURAL SERVICE	26,399	-
US Dept of Agriculture	Direct	10.960	TA-CR-16-043	FOREIGN AGRICULTURAL SERVICE	156,029	15,518
US Dept of Agriculture	Direct	10.962	FX19CO-10962R028	FOREIGN AGRICULTURAL SERVICE	44,002	-
US Dept of Agriculture	Direct	10.962	FX19CO-10962R030	FOREIGN AGRICULTURAL SERVICE	70,845	-
US Dept of Agriculture	Direct	10.962	FX19CO-10962R035	FOREIGN AGRICULTURAL SERVICE	77,189	-
US Dept of Agriculture	Direct	10.962	FX20CO-10962R007	FOREIGN AGRICULTURAL SERVICE	14,637 17,394,811	-
US Dept of Agriculture	Direct Total Pass-through	10.U05	S000572-USDA	PENNSYLVANIA STATE UNIV	6,153	2,019,214
US Dept of Agriculture	Pass-through	10.001	018000.340888.01	MISSISSIPPI STATE UNIV	105,437	_
US Dept of Agriculture	Pass-through	10.174	412-30-36A	IOWA STATE UNIV	67,509	-
US Dept of Agriculture	Pass-through	10.215	H007813908	UNIVERSITY OF MINNESOTA	13,179	-
US Dept of Agriculture	Pass-through	10.227	2017-03930 Tribal College	BAY MILLS COMMUNITY COLLEGE	2,455	-
US Dept of Agriculture	Pass-through	10.310	2015-0097-24	NORTH CAROLINA STATE UNIV	36,430	-
US Dept of Agriculture	Pass-through	10.329	076332-15421 076332-16597	UNIVERSITY OF ILLINOIS UNIVERSITY OF ILLINOIS	95,993	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.329 10.331	2019-70030-30415	FAIR FOOD NETWORK	(1) 36,277	-
US Dept of Agriculture	Pass-through	10.500	2023-207-2012187	CLEMSON UNIV	13,137	-
US Dept of Agriculture	Pass-through	10.500	25-6324-0150-310	UNIVERSITY OF NEBRASKA - LINCOLN	9,029	-
US Dept of Agriculture	Pass-through	10.500	8000083841-AG	PURDUE UNIV	5,660	-
US Dept of Agriculture	Pass-through	10.500	BMCC 2018-47002-28637	BAY MILLS COMMUNITY COLLEGE	35,071	-
US Dept of Agriculture	Pass-through	10.500	Empower Educators	NORTH CENTRAL REGION WATER NETWORK	2,160	-
US Dept of Agriculture	Pass-through	10.500	Empower Educators	NORTH CENTRAL REGION WATER NETWORK	32,345	11,977
US Dept of Agriculture	Pass-through	10.500	S19064	KANSAS STATE UNIV	831	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.500 10.557	S19064 E20192182-001-K	KANSAS STATE UNIV MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	6,567 (9,840)	
US Dept of Agriculture	Pass-through	10.557	313B7700003	MICHIGAN DEPT OF FEDUCATION	30,979	
US Dept of Agriculture	Pass-through	10.575	DPSCD-0119034109	DETROIT PUBLIC SCHOOLS	2,657	
US Dept of Agriculture	Pass-through	10.604	0812-TASC18-MSU	RUTGERS UNIV	598	-
US Dept of Agriculture	Pass-through	10.604	0812-TASC18-MSU	RUTGERS UNIV	17,653	-
US Dept of Agriculture	Pass-through	10.604	0812-TASC18-MSU	RUTGERS UNIV	23,625	-
US Dept of Agriculture US Dept of Agriculture	Pass-through Pass-through	10.604 10.664	6226-TASCLAB-MSU F9000151802024	RUTGERS UNIV PURDUE UNIV	26 14,693	-
US Dept of Agriculture	Pass-through Pass-through	10.664	8000064146-AG	PURDUE UNIV	14,693	-
	Pass-through To			. 51002 0111	561,112	11,977
	US Dept of Agri				17,955,923	2,031,191
US Dept of Commerce	Direct	11.303	ED17CHI3030031	US ECONOMIC DEVELOPMENT ADMINISTRATION	(24)	-
US Dept of Commerce	Direct	11.429	NA18NOS4290003	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	13,465	
US Dept of Commerce	Direct	11.429	NA18NOS4290003 PSC	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	9,791	
	Direct Total				23,232	-
US Dept of Commerce	Pass-through	11.U01	S2017-0131	SYNOPTIC DATA CORP	68,709	-
US Dept of Commerce	Pass-through	11.008	SUBK00009321	UNIVERSITY OF MICHIGAN	5,754	-
US Dept of Commerce US Dept of Commerce	Pass-through Pass-through	11.008 11.407	SUBK00009321 102699	UNIVERSITY OF MICHIGAN MINNESOTA DEPT OF NATURAL RESOURCES	21,133 21,116	-
US Dept of Commerce	Pass-through Pass-through	11.407	3002999560	UNIVERSITY OF MICHIGAN	54,547	-
US Dept of Commerce	Pass-through	11.417	3003003179	UNIVERSITY OF MICHIGAN	54,547	
US Dept of Commerce	Pass-through	11.417	SUBK00011048	UNIVERSITY OF MICHIGAN	26,012	-
US Dept of Commerce	Pass-through	11.417	SUBK00011782	UNIVERSITY OF MICHIGAN	9,473	-
US Dept of Commerce	Pass-through	11.419	20-PSM-002 MSUE	STATE OF MICHIGAN	14,263	
US Dept of Commerce	Pass-through	11.432	089354-16821	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	14,830	-
US Dept of Commerce	Pass-through	11.432	3004875740	UNIVERSITY OF MICHIGAN	55,233	-
US Dept of Commerce	Pass-through	11.432	SUBK00011137	UNIVERSITY OF MICHIGAN	11,677	
	Pass-through To US Dept of Com				302,746 325,978	

	<b>D</b>					
	Direct/	CFDA			Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
OTHER FEDERAL AWARDS (CONTINUED)						
Corporation for National and Community Service	Pass-through	94.006	E20183158-00	MICHIGAN COMMUNITY SERVICE COMMISSION	\$ 95,548	\$-
Corporation for National and Community Service	Pass-through	94.006	E20193550-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	184,626	-
	Pass-through T Corporation for		d Community Service Total		280,174 280,174	
IS Dept of Defense	Direct Direct Total	12.420	W81XWH1810233	US DEPT OF THE ARMY	134,235	
S Dept of Defense	Pass-through	12.U01	201825-140909	PPG INDUSTRIES INC	3,648	
IS Dept of Defense	Pass-through	12.U02	20PO008276	LOUIS BERGER GROUP INC	23,733	-
JS Dept of Defense	Pass-through	12.U03	3332-ARM-2S/MSU	LUNA INNOVATIONS	32,160	-
JS Dept of Defense	Pass-through	12.U04	4020	PRIME PHOTONICS LC	65,283	-
JS Dept of Defense JS Dept of Defense	Pass-through Pass-through	12.U05 12.U06	7500169641 CBD181-004-1-MSU	NORTHROP GRUMMAN CORP ZYMERON CORP	17,777 25,966	
JS Dept of Defense	Pass-through	12.000	W56HZV-19-C-0111	MID MICHIGAN RESEARCH LLC	9,677	
JS Dept of Defense	Pass-through	12.U08	7500172936	NORTHROP GRUMMAN CORP	6,852	-
JS Dept of Defense	Pass-through	12.550	0054-MSU-22-PI-280-PO2	INST OF INTL EDUCATION	31,386	6,306
	Pass-through T US Dept of Def				216,482 350,717	6,306
JS Dept of Education	Direct	84.022	P022A170045	US DEPT OF EDUCATION	7,995	-
US Dept of Education US Dept of Education	Direct Direct	84.022 84.022	P022A180056 P022A180056	US DEPT OF EDUCATION US DEPT OF EDUCATION	11,732 23,543	-
JS Dept of Education	Direct	84.022	P022A180056 P022A180056	US DEPT OF EDUCATION US DEPT OF EDUCATION	23,543 26,499	-
US Dept of Education	Direct	84.022	P022A180056	US DEPT OF EDUCATION	28,606	-
JS Dept of Education	Direct	84.022	P022A180056	US DEPT OF EDUCATION	38,638	-
US Dept of Education	Direct	84.022	P022A190039	US DEPT OF EDUCATION	8,413	-
US Dept of Education US Dept of Education	Direct Direct	84.022 84.129	P022A190039 H129B140012	US DEPT OF EDUCATION US DEPT OF EDUCATION	9,827 38,091	-
US Dept of Education US Dept of Education	Direct	84.129 84.129	H129B140012 H129B190046	US DEPT OF EDUCATION US DEPT OF EDUCATION	38,091 17,319	-
US Dept of Education	Direct	84.129	H129B190046	US DEPT OF EDUCATION	58,000	-
US Dept of Education	Direct	84.141	\$141A190022	US DEPT OF EDUCATION	283,384	-
US Dept of Education	Direct	84.149	S149A150003 - 19	US DEPT OF EDUCATION	402,509	-
US Dept of Education	Direct	84.200	P200A140215	US DEPT OF EDUCATION	(6,836)	-
US Dept of Education US Dept of Education	Direct Direct	84.032 84.334	FFELP Loans Receivable GEAR UP	US DEPT OF EDUCATION U.S. DEPT OF EDUCATION	496,157 111,790	
US Dept of Education	Direct	84.335	P335A180261	US DEPT OF EDUCATION	249,754	
US Dept of Education	Direct	84.425E	COVID-19 - P425E201966	US DEPT OF EDUCATION	14,918,294	-
	Direct Total				16,723,715	-
US Dept of Education	Pass-through	84.U01	4400007264	LOS ANGELES UNIFIED SCHOOL DISTRICT	95,684	-
US Dept of Education	Pass-through	84.010	18-0053	DETROIT PUBLIC SCHOOLS	135,092	-
US Dept of Education	Pass-through	84.011	191850-1819	MICHIGAN DEPT OF EDUCATION	69,365	-
US Dept of Education US Dept of Education	Pass-through Pass-through	84.011 84.048	191850-1819 193280-19183	MICHIGAN DEPT OF EDUCATION MICHIGAN DEPT OF EDUCATION	106,685 344	-
US Dept of Education	Pass-through	84.048	203280-20183	MICHIGAN DEPT OF EDUCATION	69,679	-
US Dept of Education	Pass-through	84.048	203430-20133-400	MICHIGAN DEPT OF EDUCATION	59,995	-
US Dept of Education	Pass-through	84.334	16-00-06	MICHIGAN ECONOMIC DEVELOPMENT CORP	(287)	-
US Dept of Education	Pass-through	84.334	18-00-06	MICHIGAN ECONOMIC DEVELOPMENT CORP	48,746	-
US Dept of Education	Pass-through	84.367	94-MI04-SEED2018-C3WPPD	NATIONAL WRITING PROJECT CORP	5,592	
	Pass-through T US Dept of Edu				590,895 17,314,610	
US Dept of Energy	Direct Direct Total	81.049	DE-SC0000661	ENERGY US DEPT OF	587,432	
US Dept of Energy	Pass-through	81.U01	19-D0382	JEFFERSON SCIENCE ASSOCIATES LLC	38,292	-
	Pass-through T	otal			38,292	-
	US of Dept Ene	rgy Total			625,724	-
Environmental Protection Agency	Direct	66.469	00E02224	US ENVIRONMENTAL PROTECTION AGENCY	61,054	-
Environmental Protection Agency	Direct	66.716	83927401	US ENVIRONMENTAL PROTECTION AGENCY	33,479	-
Environmental Protection Agency	Direct	66.716	83927401	US ENVIRONMENTAL PROTECTION AGENCY	62,070	-
Environmental Protection Agency	Direct	66.716	83927401	US ENVIRONMENTAL PROTECTION AGENCY	307,501	189,477
Cavironmentel Drokestion America	Direct Total	66 60F	20000000227		464,104 24,266	189,477
Environmental Protection Agency Environmental Protection Agency	Pass-through Pass-through	66.605 66.605	20000000227 GG 19000001440	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	24,266 16,069	
Environmental Protection Agency	Pass-through T		33 19000001440		40,335	
	Environmental		gency Total		504,439	189,477
Federal Communications Commission	Direct	32.001	WKAR FCC Repack	FEDERAL COMMUNICATIONS COMMISSION	(1,116)	-
	Federal Comm				(1,116)	-
Federal Council on the Arts and Humanities	Direct	45.024	1755007099	NATIONAL ENDOWMENT FOR THE ARTS	84	-
Federal Council on the Arts and Humanities	Direct	45.024	1809872-55-18	NATIONAL ENDOWMENT FOR THE ARTS	(12,669)	-
Federal Council on the Arts and Humanities	Direct	45.149	PG-266644-19	NATIONAL ENDOWMENT FOR THE HUMANITIES	8,047	-
Federal Council on the Arts and Humanities	Direct	45.160	FEL-268440-20	NATIONAL ENDOWMENT FOR THE HUMANITIES	5,417	-
Federal Council on the Arts and Humanities Federal Council on the Arts and Humanities	Direct Direct	45.301 45.301	MA-10-17-0377-17 MA-30-19-0349-19	INST OF MUSEUM AND LIBRARY SERVICES INST OF MUSEUM AND LIBRARY SERVICES	19,233	-
Federal Council on the Arts and Humanities Federal Council on the Arts and Humanities	Direct	45.301 45.400	MA-30-19-0349-19 PC-15-8-044	INST OF MUSEUM AND LIBRARY SERVICES PEACE CORPS	6,453 21,234	
cacros council on the Arts and Humanities	Direct Total	-5.400	15 0 0 4 4	, ENEL COM 5	47,799	
ederal Council on the Arts and Humanities	Pass-through	45.025	00024675	ARTS MIDWEST	3,200	-
Federal Council on the Arts and Humanities	Pass-through	45.025	19PS4877AC	MICHIGAN COUNCIL FOR ARTS AND CULTURAL AFFAIRS	9,789	-
ederal Council on the Arts and Humanities	Pass-through	45.025	19PS4880AC	MICHIGAN COUNCIL FOR ARTS AND CULTURAL AFFAIRS	16,847	-
			20PS5639AC	MICHIGAN COUNCIL FOR ARTS AND CULTURAL AFFAIRS	5,516	-
Federal Council on the Arts and Humanities	Pass-through Pass-through	45.025 45.025				
Federal Council on the Arts and Humanities Federal Council on the Arts and Humanities Federal Council on the Arts and Humanities	Pass-through Pass-through Pass-through	45.025 45.025 45.025	20PS5641ED 20PS5642AC	MICHIGAN COUNCIL FOR ARTS AND CULTURAL AFFAIRS MICHIGAN COUNCIL FOR ARTS AND CULTURAL AFFAIRS	15,000 11,381	-

						10 00, 2020
Federal Assess	Direct/	CFDA	Autoral Number	Control Name	Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
OTHER FEDERAL AWARDS (CONTINUED)						
Federal Council on the Arts and Humanities	Pass-through Pass-through Te	45.160	408488	AMER COUNCIL OF LEARNED SOCIETIES	\$ 49,764 121,479	\$ -
			and Humanities Total		169,278	
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.103 93.103	1U18FD006593-01 1U18FD006860-01	FOOD AND DRUG ADMINISTRATION FOOD AND DRUG ADMINISTRATION	1,809 427,675	-
US Dept of Health and Human Services	Direct	93.103	5U18FD006175-03	FOOD AND DRUG ADMINISTRATION	47,908	-
US Dept of Health and Human Services	Direct	93.110	20200031-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	6,324	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.110 93.113	20200031-00 5R25ES0250602-04S1	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES NATIONAL INST OF HEALTH	3,462 (942)	-
US Dept of Health and Human Services	Direct	93.113	5T3ES007255-28	NATIONAL INST OF HEALTH	858	-
US Dept of Health and Human Services	Direct	93.113	5T3ES007255-30	NATIONAL INST OF HEALTH	226,935	-
US Dept of Health and Human Services	Direct	93.113	F31ES030593	NATIONAL INST OF HEALTH	43,135	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.124 93.157	2 A22HP309370300 2 D24HP24457-06-01	HEALTH RESOURCES AND SERVICES ADMINISTRATION HEALTH RESOURCES AND SERVICES ADMINISTRATION	10,573 646,381	-
US Dept of Health and Human Services	Direct	93.197	5 NUE2EH001370-03-00	CENTERS FOR DISEASE CONTROL AND PREVENTION	3,804,391	1,386,353
US Dept of Health and Human Services	Direct	93.279	5R25DA030310-05	NATIONAL INST ON DRUG ABUSE	20,166	-
US Dept of Health and Human Services	Direct	93.393	1F99CA245473-01	NATIONAL CANCER INST	3,260	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.393 93.398	1F99CA245473-01 5T32OD011167-15	NATIONAL CANCER INST NATIONAL INST OF HEALTH	13,365 24,424	-
US Dept of Health and Human Services	Direct	93.398	F31CA232555	NATIONAL INST OF HEALTH	29,859	-
US Dept of Health and Human Services	Direct	93.602	90EI0294/01	HEALTH & HUMAN SERV US DEPT OF	11,430	-
US Dept of Health and Human Services	Direct	93.761	90FPSG0014-01-00	US DEPT OF HEALTH AND HUMAN SERVICES	160,918	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.761 93.788	90FPSG0014-01-00 PSC H79TI082573	US DEPT OF HEALTH AND HUMAN SERVICES SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES ADMINISTRATION	9,932 321,372	-
US Dept of Health and Human Services	Direct	93.837	5F31HL143937-02 (P)	NATIONAL INST OF HEALTH	33,256	-
US Dept of Health and Human Services	Direct	93.837	R25HL108864	NATIONAL INST OF HEALTH	143,064	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct	93.847	1F31DK121373-01A1	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	25,312	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.847 93.853	1F32DK12142301A1 5R25NS090989	NATIONALINSI OF HEALTH NATIONALINST OF HEALTH	50,459 195,194	-
US Dept of Health and Human Services	Direct	93.853	F31NS110321	NATIONAL INST OF HEALTH	34,388	-
US Dept of Health and Human Services	Direct	93.859	2T32GM092715-06	NATIONAL INST OF HEALTH	12,303	-
US Dept of Health and Human Services	Direct	93.859	2T32GM092715-06	NATIONALINST OF HEALTH	148,915	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.859 93.859	7F32GM128283-02 F32GM134595	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	61,650 112	-
US Dept of Health and Human Services	Direct	93.859	F32GM134595	NATIONAL INST OF HEALTH	55,838	-
US Dept of Health and Human Services	Direct	93.859	R25GM116761	NATIONAL INST OF HEALTH	313,084	-
US Dept of Health and Human Services	Direct Direct	93.865 93.865	1T32HD087166-01 1T32HD087166-01 (P)	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	246,151 85,093	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct	93.865	T32HD087166	NATIONAL INST OF HEALTH	2,700	-
US Dept of Health and Human Services	Direct	93.867	5F30EY030029-02	NATIONAL INST OF HEALTH	41,722	-
US Dept of Health and Human Services	Direct	93.867	5T35OD016477-17	NATIONAL INST OF HEALTH	52,821	-
US Dept of Health and Human Services US Dept of Health and Human Services	Direct Direct	93.867 93.867	5T35OD016477-18 F32EY028426	NATIONAL INST OF HEALTH NATIONAL INST OF HEALTH	82,972 58,545	-
US Dept of Health and Human Services	Direct	93.976	5K02HP30816-03-00	HEALTH RESOURCES AND SERVICES ADMINISTRATION	188,729	-
·····	Direct Total				7,645,543	1,386,353
US Dept of Health and Human Services	Pass-through	93.U01	ED-012.001-17	SAGINAW CHIPPEWA INDIAN TRIBE OF MICHIGAN	772	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.U02 93.U03	IP #00409655 MSU-HHSN261201800026C	NORTHERN HEALTH PLAN THERANANO LLC	5,025 30,849	-
US Dept of Health and Human Services	Pass-through	93.001	2011-N-13422	ASSOC OF OCCUPATIONAL AND ENVIRONMENTAL CLINICS	10,320	-
US Dept of Health and Human Services	Pass-through	93.052	KINSHIP FY 20	TRI COUNTY OFFICE ON AGING	969	-
US Dept of Health and Human Services	Pass-through	93.052	00378521	TRI COUNTY OFFICE ON AGING	4,765	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.052 93.068	KINSHIP FY 18 E20191307-00-D	TRI COUNTY OFFICE ON AGING MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	(26) 4,971 *	* _
US Dept of Health and Human Services	Pass-through	93.069	E20192722-00-F	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	23,747	-
US Dept of Health and Human Services	Pass-through	93.069	E20202900-00-C	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	45,860	-
US Dept of Health and Human Services	Pass-through	93.070	E20191307-00-D 17-18-442	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES HEMOPHILIA FOUNDATION OF MICHIGAN	19,883 *	
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.080 93.080	CDC 18-19-442	HEMOPHILIA FOUNDATION OF MICHIGAN	(460) 11,048	-
US Dept of Health and Human Services	Pass-through	93.080	CDC 19-20-442	HEMOPHILIA FOUNDATION OF MICHIGAN	46,120	-
US Dept of Health and Human Services	Pass-through	93.103	18000002938	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT	(9,834)	-
US Dept of Health and Human Services	Pass-through	93.103	19000002839 193247145	MICHIGAN DEPT OF AGRICULTURE AND RURAL DEVELOPMENT NATIONAL ASSOC OF STATE DEPT OF AG	384,747	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.103 93.103	5U01FD005334-05	NATIONAL ASSOC OF STATE DEPT OF AG	6,500 5,859	-
US Dept of Health and Human Services	Pass-through	93.103	5U18FD005902-03	MICHIGAN FOOD AND FARMING SYSTEMS	854	-
US Dept of Health and Human Services	Pass-through	93.103	IP 00462816	NATIONAL ASSOC OF STATE DEPT OF AG	4,165	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.110 93.110	E20193421-00 E20200893-00: 20200031-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	34,467 23,374	-
US Dept of Health and Human Services	Pass-through	93.110	H30MC24047-07-00	HEMOPHILIA FOUNDATION OF MICHIGAN	(174)	-
US Dept of Health and Human Services	Pass-through	93.110	MCHB 442 19-20	HEMOPHILIA FOUNDATION OF MICHIGAN	56,521	-
US Dept of Health and Human Services	Pass-through	93.110	SUBK00010309	UNIVERSITY OF MICHIGAN	2,698	-
US Dept of Health and Human Services	Pass-through Pass-through	93.110 93.110	WSU19092	WAYNE STATE UNIV MICHIGAN PUBLIC HEALTH INST	69,320	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through	93.110	Z-38839-115-504200 10009736-MSU01	BOWLING GREEN UNIV	(6) 37,401	-
US Dept of Health and Human Services	Pass-through	93.136	E20191307-00-D	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	4,142 *	• -
US Dept of Health and Human Services	Pass-through	93.243	1	MUNSON MEDICAL CENTER	48,619	
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.243 93.243	E20191307-00-D SM063521-01-MSU	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	5,385 * 233,543	· -
US Dept of Health and Human Services	Pass-through	93.268	E20192642-00-AD	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	37,442	-
US Dept of Health and Human Services	Pass-through	93.270	E20191307-00-D	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	1,657 *	* -
US Dept of Health and Human Services	Pass-through	93.283	E20191307-00-D	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	9,942	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.283 93.359	E20191312-00-O FP00007763_SA004	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES VIRGINIA COMMONWEALTH UNIV	1,748 14,079	-
US Dept of Health and Human Services	Pass-through	93.421	E20204185-00	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	14,075	-
US Dept of Health and Human Services	Pass-through	93.426	E20191307-00-D	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	17,895 *	* -
US Dept of Health and Human Services	Pass-through	93.556	E20202757-00-S	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	223,236	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.556 93.590	SFSC14-19001 GLCYD CTFDS17-52001	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES GREAT LAKES CENTER FOR YOUTH DEVELOPMENT	387 7,708	-
US Dept of Health and Human Services	Pass-through	93.590	E20193260-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	206,912	-
US Dept of Health and Human Services	Pass-through	93.624	E20191307-00-D	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	102,409 *	
US Dept of Health and Human Services	Pass-through	93.624	E20191308-00 (E)	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	3,622 *	
US Dept of Health and Human Services	Pass-through	93.630	E20191313-00-R	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	39,555	-

					Year Ended Ju	ne 30, 2020
	Direct/	CFDA			Total	Subaward
Federal Agency	Pass-through	(Note 5)	Award Number	Grantor Name	Expenditures	Payments
OTHER FEDERAL AWARDS (CONTINUED)						
US Dept of Health and Human Services	Pass-through	93.644	E20191306-00-C	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	\$ 8,253	\$-
US Dept of Health and Human Services	Pass-through	93.644	E20200891-00 B Master 20200031-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	47,082	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.648 93.648	18-19-79280 19-19-82905	RESEARCH FOUNDATION OF SUNY RESEARCH FOUNDATION OF SUNY	63,033 103,386	-
US Dept of Health and Human Services	Pass-through	93.648	3-86154	RESEARCH FOUNDATION OF SUNY	186,754	-
US Dept of Health and Human Services	Pass-through	93.745	E20191307-00-D	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	110,123 *	· -
US Dept of Health and Human Services	Pass-through	93.745	E20191308-00 (E)	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	19,016 *	· -
US Dept of Health and Human Services	Pass-through	93.788	11000781-011	PURDUE UNIV	2,284	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.788 93.788	E20191318-00-AL E20193230-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	58,073 39,856	-
US Dept of Health and Human Services	Pass-through	93.788	E20193231-00 AX	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	325,240	273,301
US Dept of Health and Human Services	Pass-through	93.788	E20193446-00 BF	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	10,395	-
US Dept of Health and Human Services	Pass-through	93.788	E20201939-00/20200031-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	388,537	261,790
US Dept of Health and Human Services	Pass-through Pass-through	93.788 93.810	E20203211-00 AL E20191307-00-D	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	111,018 4,971	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through	93.810	3004548920	UNIVERSITY OF MICHIGAN	28,654	-
US Dept of Health and Human Services	Pass-through	93.853	UH3NS096833	SCRIPPS RESEARCH INST	20,520	-
US Dept of Health and Human Services	Pass-through	93.859	3R44EY038027654-02S1	GLYCAN THERAPEUTICS	82,320	-
US Dept of Health and Human Services	Pass-through	93.859	4500002876	BOSTON UNIV	17,618	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.872 93.872	FY17.494.004 FY17.494.004	UNIVERSITY OF COLORADO DENVER UNIVERSITY OF COLORADO DENVER	16,025 17,299	-
US Dept of Health and Human Services	Pass-through	93.889	E20202900-00-C	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	15,287 *	_
US Dept of Health and Human Services	Pass-through	93.898	E20191307-00-D	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	15,907	-
US Dept of Health and Human Services	Pass-through	93.926	HRSA-MSU-2020-2005-093	SPECTRUM HEALTH SYSTEM	124,557	-
US Dept of Health and Human Services	Pass-through	93.926	HR-SBP14-05 Resolution #18-189	SPECTRUM HEALTH SYSTEM	7,291 482,239	-
US Dept of Health and Human Services US Dept of Health and Human Services	Pass-through Pass-through	93.926 93.958	Resolution #18-189 E20191307-00-D	GENESEE COUNTY HEALTH DEPT MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	482,239 4,971	-
US Dept of Health and Human Services	Pass-through	93.989	1600922	UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE	43,878	-
US Dept of Health and Human Services	Pass-through	93.994	E20192186-00-AC	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	280	-
US Dept of Health and Human Services	Pass-through	93.994	E20193221-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	55,045	-
US Dept of Health and Human Services	Pass-through Pass-through T	93.994	E20201677-00; 20200031-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	56,572 4,244,694	- 535,091
			In Services Total		11,890,237	1,921,444
US Dept of Homeland Security	Direct	97.012	3316SUR160102	US COAST GUARD	128,431	-
	US Dept of Hor	neland Securi	ty Total		128,431	
US Dept of Housing and Urban Development	Pass-through	14.169	18-15 HUD	MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY	12,998	-
US Dept of Housing and Urban Development	Pass-through	14.316	19-15 HUD	MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY	36,067	
	US Dept of Hou	ising and Urb	an Development Total		49,065	
US Dept of Interior	Direct	15.U01	G16PA00015	US GEOLOGICAL SURVEY	55,279	-
US Dept of Interior	Direct	15.658	F17AC00428	US FISH AND WILDLIFE SERVICE	2,770	-
US Dept of Interior	Direct	15.945	P18AC01019	NATIONAL PARK SERVICE	7,909	-
US Dept of Interior	Direct	15.945	P18AC01067	NATIONAL PARK SERVICE	72,946	-
US Dept of Interior	Direct Total Pass-through	15.634	751B7700034 DO 20000002921	MICHIGAN DEPT OF NATURAL RESOURCES	138,904 14,746	
US Dept of Interior	Pass-through	15.805	078687-15712 PSC	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	14,896	-
US Dept of Interior	Pass-through	15.805	2015-06806-02	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	28,876	
	Pass-through T				58,518	-
	US Dept of Inte	erior lotal			197,422	
US Dept of Justice	Direct	16.562	2018-R2-CX-0002	US DEPT OF JUSTICE	8,512	-
US Dept of Justice	Direct	16.738	2018-DP-BX-K011	US DEPT OF JUSTICE	176,183	-
US Deat of Justice	Direct Total	16.575	C-32020-115-504200	MICHIGAN PUBLIC HEALTH INST	184,695 57,469	
US Dept of Justice US Dept of Justice	Pass-through Pass-through	16.575	E20190946-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	14,474	-
US Dept of Justice	Pass-through	16.575	E20192053-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	203,319	-
US Dept of Justice	Pass-through	16.575	E20193139-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	49,761	-
US Dept of Justice	Pass-through	16.575	E20201546-00	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES	600,701	-
US Dept of Justice US Dept of Justice	Pass-through Pass-through	16.575 16.726	E20201933-00 00408723	MICHIGAN DEPT OF HEALTH AND HUMAN SERVICES NATIONAL 4H COUNCIL	209,482 37,402	-
US Dept of Justice	Pass-through	16.726	2017-JU-FX-0016	NATIONAL 4H COUNCIL	(462)	-
US Dept of Justice	Pass-through	16.726	2018-JU-FX-0005	NATIONAL 4H COUNCIL	33,111	-
US Dept of Justice	Pass-through	16.726	2019-MU-FX-0002	NATIONAL 4H COUNCIL	2,277	-
US Dept of Justice US Dept of Justice	Pass-through	16.726	2019-MU-FX-0002 NMP TTA	NATIONAL 4H COUNCIL	12,244	-
US Dept of Justice US Dept of Justice	Pass-through Pass-through	16.726 16.833	NMP 11A 3-321-0215016-52458L	NATIONAL 4H COUNCIL RTI INTL	(413) 44,046	-
US Dept of Justice	Pass-through	16.839	SUBK00011620	UNIVERSITY OF MICHIGAN	10,312	
	Pass-through T	otal			1,273,723	
	US Dept of Just	ice Total			1,458,418	<u> </u>
National Aeronautics and Space Administration	Direct	43.001	80NSSC17K0395	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	41,562	-
National Aeronautics and Space Administration	Direct	43.001	80NSSC19K1332	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	18,753	-
National Aeronautics and Space Administration	Direct National Aeron	43.001 autics and Sn	80NSSC19K1724 ace Administration Total	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	14,859 75,174	
	National Aeron	aano anu sp			/3,1/4	
US Dept of State	Direct	19.040	SPE50019GR0038	US DEPT OF STATE	2,617	-
US Dept of State	Direct	19.415	SECAGD18CA0017	US DEPT OF STATE	64,344	-
US Dept of State US Dept of State	Direct Direct	19.415 19.415	SECAGD18CA0017 SECAGD19CA0102	US DEPT OF STATE US DEPT OF STATE	197,928 25,211	-
os sept of state	Direct Total	13.713	SEG-IGDISCHOIDZ		290,100	
US Dept of State	Pass-through	19.U01	FST1901_MSU EGSP_2019	INST OF INTL EDUCATION	54,476	-
US Dept of State	Pass-through	19.U02	FST1901_MSU EGSP_2019	INST OF INTL EDUCATION	56,273	-
US Dept of State US Dept of State	Pass-through Pass-through	19.U03 19.U04	FST1901_MSU_FLTA_5.1.19 FST1901_MSU_FLTA_5.1.19	INST OF INTL EDUCATION INST OF INTL EDUCATION	19,792 38,276	-
US Dept of State	Pass-through Pass-through	19.004	HHH1901_MSU_7.1.19	INST OF INTE EDUCATION	38,276 86,739	-
US Dept of State	Pass-through	19.010	HHH1901_MSU_7.1.19	INST OF INTL EDUCATION	95,012	-
US Dept of State	Pass-through	19.010	S-ECAGD-18-CA-1027	INST OF INTL EDUCATION	(2,774)	-
US Dept of State	Pass-through	19.040	SBR25018GR0014	US EMBASSY BRASILIA	38,747	-
US Dept of State	Pass-through	19.040	SCI80018GR0060	US EMBASSY IN CHILE	2,507	-

Federal Agency  THER FEDERAL AWARDS (CONTINUED)  JS Dept of State  JS Dept of Transportation	Direct/ Pass-through	CFDA (Note 5)			Total	Subaward
JS Dept of State JS Dept of Transportation			Award Number	Grantor Name	Expenditures	Payments
JS Dept of State JS Dept of Transportation						
JS Dept of Transportation	Pass-through	19.040	SCI80018GR0060	US EMBASSY IN CHILE	\$ 9,319	¢ .
	Pass-through Tot		50001800000		398,367	-
	US Dept of State	Total			688,467	-
	Direct	20.215	693JJ31945006	FEDERAL HIGHWAY ADMINISTRATION	2,898	-
JS Dept of Transportation		20.215	693JJ32045092	US DEPT OF TRANSPORTATION	4,999	
IC Dant of Tanana taking	Direct Total	20.004	10 1000005		7,897	
JS Dept of Transportation JS Dept of Transportation		20.U01 20.U02	19-1002065 2018-0741	SAN BERNADINO COUNTY TRANSPORTATION AUTHORITY MICHIGAN DEPT OF TRANSPORTATION	179,185 74,817	
JS Dept of Transportation	Pass-through	20.505	2019-0238	MICHIGAN DEPT OF TRANSPORTATION	75,000	
	Pass-through Tot US Dept of Trans		tal		329,002 336,899	-
	OS Dept of Trails	portation ro			530,655	
JS Agency for International Development		98.001	AID-OAA-A-13-00006	US AGENCY FOR INTL DEVELOPMENT	22,389	16,289
JS Agency for International Development JS Agency for International Development		98.001 98.001	AID-OAA-A-13-00006 AID-OAA-LA-17-00002	US AGENCY FOR INTL DEVELOPMENT US AGENCY FOR INTL DEVELOPMENT	3,430,000 217,292	83,904 160,477
JS Agency for International Development		98.001	7200AA18CA00021	US AGENCY FOR INTL DEVELOPMENT	388,666	113,617
	Direct Total				4,058,347	374,287
JS Agency for International Development JS Agency for International Development		98.001 98.001	1856-000 2420	TETRA TECH INC IMPAQ INTI	7,290 4,026	
JS Agency for International Development	•	98.001	87718-11202	CORNELL UNIV	378,172	-
JS Agency for International Development	-	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	(146,310)	(15)
JS Agency for International Development	•	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	(11,465)	(11,465)
JS Agency for International Development JS Agency for International Development		98.001 98.001	BHEARD BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER INTL MAIZE AND WHEAT IMPROVEMENT CENTER	552 10,670	-
JS Agency for International Development		98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	18,525	-
JS Agency for International Development		98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	21,079	-
JS Agency for International Development JS Agency for International Development		98.001 98.001	BHEARD BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER INTL MAIZE AND WHEAT IMPROVEMENT CENTER	35,362 47,642	- 36,000
JS Agency for International Development		98.001	BHEARD	INTE MAIZE AND WHEAT IMPROVEMENT CENTER	68,847	- 50,000
JS Agency for International Development		98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	80,831	33,216
JS Agency for International Development		98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	103,169	1,590
JS Agency for International Development JS Agency for International Development	-	98.001 98.001	BHEARD BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER INTL MAIZE AND WHEAT IMPROVEMENT CENTER	115,682 140,868	65,929
JS Agency for International Development		98.001	BHEARD	INTE MAIZE AND WHEAT IMPROVEMENT CENTER	140,888	67,026
JS Agency for International Development		98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	144,626	45,361
JS Agency for International Development		98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	152,966	51,962
JS Agency for International Development JS Agency for International Development		98.001 98.001	BHEARD BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER INTL MAIZE AND WHEAT IMPROVEMENT CENTER	200,520 201,523	20,000
JS Agency for International Development		98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	201,525 215,045	183,237
JS Agency for International Development		98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	215,474	138,848
JS Agency for International Development	•	98.001	BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER	336,448	268,476
JS Agency for International Development JS Agency for International Development		98.001 98.001	BHEARD BHEARD	INTL MAIZE AND WHEAT IMPROVEMENT CENTER INTL MAIZE AND WHEAT IMPROVEMENT CENTER	358,714 508,892	- 508,892
JS Agency for International Development		98.001	REPLACE-IQC-TtARD-MSU-005	TETRA TECH INC	160,151	
	Pass-through Tot	tal	Development Total		3,510,535 7,568,882	1,409,057 1,783,344
Villennium Challenge Corp	Direct	99.U01	MCA-CI/ATP-TPM-044	MILLENNIUM CHALLENGE CORP	14,341	
	Vietnam Educatio				14,341	
JS Trade and Development Agency	Pass-through US Trade and Dev	99.U02 velopment A	342482 Agency Total	WILLDAN ENERGY SOLUTIONS	21,016 21,016	
/ietnam US Dept of Education Foundation	Direct Vietnam Educatio	85.802	SCHOOL CERTIFYING OFFICIALS	VIETNAM EDUCATION FOUNDATION	(22,748)	
	TOTAL OTHER FEI				59,931,331	5,931,762
	TOTAL FEDERAL E				\$ 821,069,031	\$ 47,129,699
SUMMARY OF EXPENDITURES BY FEDERAL AGENCY						<u> </u>
JS Dept of Health and Human Services					\$ 94,467,810	\$ 16,757,406
JS Dept of Energy					87,680,309	3,090,979
Jational Science Foundation JS Dept of Education					82,410,296 70,743,878	6,686,130 88,378
JS Dept of Agriculture					57,618,295	8,632,016
JS Agency for International Development					21,035,156	6,746,902
JS Dept of Defense					15,166,680	2,637,475
JS Dept of Justice Jational Aeronautics and Space Administration					5,327,126 3,940,170	1,658,779 337,032
IS Dept of Interior					2,570,470	38,647
S Dept of Transportation					2,198,059	108,609
IS Dept of Commerce nvironmental Protection Agency					1,514,304	4,699
					1,170,256 933,885	246,600 57,405
					354,603	38,642
IS Dept of State					280,174	-
IS Dept of State IS Dept of Homeland Security orporation for National and Community Service					172,460	-
IS Dept of State IS Dept of Homeland Security orporation for National and Community Service IS Dept of Treasury					170,422 49,207	-
IS Dept of State IS Dept of Homeland Security iorporation for National and Community Service IS Dept of Treasury ederal Council on the Arts and Humanities					21,016	
IS Dept of State So Dept of Homeland Security Groporation for National and Community Service JS Dept of Treasury ederal Council on the Arts and Humanities JS Dept of Housing and Urban Development					21,010	-
IS Dept of State IS Dept of Homeland Security iorporation for National and Community Service IS Dept of Treasury ederal Council on the Arts and Humanities IS Dept of Housing and Urban Development IS Trade and Development Agency Aillennium Challenge Corp					14,341	-
IS Dept of State IS Dept of Homeland Security orporation for National and Community Service IS Dept of Treasury ederal Council on the Arts and Humanities IS Dept of Housing and Urban Development IS Trade and Development Agency Aillennium Challenge Corp ederal Communications Commission					14,341 (1,116)	-
JS Dept of State SJS Dept of Homeland Security JS Dept of Homeland Security JS Dept of Treasury ederal Council on the Arts and Humanities JS Dept of Housing and Urban Development JS Trade and Development Agency Millennium Challenge Corp ederal Communications Commission Artenta US Dept of Education Foundation					14,341	47,129,699
IS Dept of State Soper of State Soperation for National and Community Service JS Dept of Treasury ederal Council on the Arts and Humanities So Dept of Housing and Urban Development JS Trade and Development Agency Aillennium Challenge Corp ederal Communications Commission fietnam US Dept of Education Foundation SUMMARY OF LOAN BALANCES BY FEDERAL AGEN	CY				14,341 (1,116) (22,748) 447,815,053	47,129,699
IS Dept of State JS Dept of Homeland Security Corporation for National and Community Service JS Dept of Treasury ederal Council on the Arts and Humanities JS Dept of Housing and Urban Development JS Trade and Development Agency Alillennium Challenge Corp ederal Communications Commission fietnam US Dept of Education Foundation <b>LUMMARY OF LOAN BALANCES BY FEDERAL AGENU</b> JS Dept of Education	CY				14,341 (1,116) (22,748)	47,129,699
Solution Agency Ag	cy				14,341 (1,116) (22,748) 447,815,053 359,100,007	47,129,699

# Notes to Schedule of Expenditures of Federal Awards

### Year Ended June 30, 2020

# 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, 2020. The information in the Schedule is presented in accordance with the requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (the "Uniform Guidance"). Because the Schedule presents only a selected portion of the operations of the University, it is not intended to and does not present the financial position, changes in net position, or cash flows of the University.

# Note 2 - Summary of Significant Accounting Policies

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

# Note 3 - Indirect Costs

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

Included as federal expenditures are indirect costs of \$79,826,330, 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 4 - Commingled Funds**

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

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

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

# Notes to Schedule of Expenditures of Federal Awards

### Year Ended June 30, 2020

## Note 6 - 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 and the Health Professional Student Loan Program, Nursing Student Loan Program, and Nurse Faculty Loan Program, all through the U.S. Department of Health and Human Services. These loan programs are directly administered by the University and are considered revolving loan programs where collections received on past loans, including interest, and new funds received from federal agencies with university matching requirements are loaned out to current students. The loans disbursed during the year and year-end outstanding balances for these loans are disclosed below:

CFDA Number	Loan Program	L	oan Issued		Loan Balances	
84.038 93.264 93.342 93.364	Federal Perkins Loans Nurse Faculty Loans Health Professional Student Loans Nursing Student Loans	\$	97,722 3,568,468 -	\$	16,804,021 313,908 11,987,052 -	
	Total	\$	3,666,190	\$	29,104,981	

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 \$334,111,832 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, 2020.

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 \$392,629 at June 30, 2020.

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

During the year ended June 30, 2020, Federal Work-Study funds were transferred in accordance with federal guidelines. The transfers were as follows:

Transferred from	 Amount	Transferred to
Federal Work-Study 2019-2020 Federal Work-Study 2018-2019 Federal Work-Study 2019-2020	\$ 205,461	Federal Supplemental Educational Opportunity Grant 2019-2020 Federal Work-Study 2019-2020 Federal Work-Study 2020-2021
Total	\$ 1,269,832	

# Schedule of Findings and Questioned Costs

# Schedule of Findings and Questioned Costs

Year Ended June 30, 2020

Section I - Sun	nmary of Auditor's Results		
Financial Statemer	nts		
Type of auditor's report issued:		Unmodified	
Internal control over	financial reporting:		
Material weaknes	ss(es) identified?	Yes	X No
<ul> <li>Significant deficiency(ies) identified that are not considered to be material weaknesses?</li> </ul>		Yes	X None reported
Noncompliance material to financial statements noted?		Yes	X None reported
Federal Awards			
Internal control over	major programs:		
Material weaknes	ss(es) identified?	Yes	X No
	ency(ies) identified that are d to be material weaknesses?	<u> </u>	None reported
	sclosed that are required to be reported in Section 2 CFR 200.516(a)?	<u>X</u> Yes	No
Identification of majo	or programs:		
CFDA Number	Name of Federal Progr	am or Cluster	Opinion
84.007, 84.033, 84.038, 84.063, 84.268, 84.379, 93.342, 93.364, 93.264 84.032 84.425E 93.197	Student Financial Assistance Cluster Federal Family Education Loan Program Education Stabilization Fund Higher Edu Flint Lead Exposure Registry		Unmodified Unmodified Fund Unmodified Unmodified
Dollar threshold use type A and type I	d to distinguish between 3 programs:	\$3,000,000	
Auditee qualified as	low-risk auditee?	<u> </u>	No
Reference	ancial Statement Audit Finding		
Number		Finding	

Current Year None

# Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2020

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

Reference		Questioned
Number	Finding	Costs

2020-001 **CFDA Number, Federal Agency, and Program Name** - 84.268, U.S. None Department of Education, Federal Direct Loans

Finding Type - Significant deficiency

#### Repeat Finding - No

**Criteria** - If a student account is credited with Federal Direct Loan funds, the institution must notify student or parent of date and amount, as well as the right to cancel all or portion of loan, and the procedure and time by which the student must notify the institution no earlier than 30 days before and no later than 30 days after crediting student's account if using an affirmative confirmation process (34 CFR Section 68.165). Institutions not using an affirmative confirmation process must notify the student no earlier than 30 days before, and no later than 7 days after, and must give the students 30 days to cancel all or part of the loan.

**Condition** - Documentation could not be provided to support that notification was sent to the student or parents notifying them of their Federal Direct Loan awards and their right to cancel all or portion of the loan.

#### Questioned Costs - None

# **Identification of How Questioned Costs Were Computed** - N/A - No questioned costs

**Context** - Documentation could not be provided for 10 out of 50 students selected for testing to support that they were notified of the Federal Direct Loans they were awarded. Based on the testing performed, it does not appear that this is a systemic issue for the remaining population related to notification of Federal Loan awards to students and parents and their right to cancel all or portion of the loan.

**Cause and Effect** - A record of the notification email or letter required to be sent to students or parents could not be produced indicating some students or parents may not have been notified of the Federal Direct Loans and did not have the opportunity to cancel these awards.

**Recommendation** - A system should be put in place to review students that received Federal Direct Loans to verify notification letters were sent to each student. Documentation should also be maintained to support that students were notified of the federal direct loans they are being awarded.

# Schedule of Findings and Questioned Costs (Continued)

# Year Ended June 30, 2020

# Section III - Federal Program Audit Findings (Continued)

Reference Number	Finding	Questioned Costs
2020-001 (Continued)	<b>Views of Responsible Officials and Corrective Action Plan</b> - The University agrees with the finding identified above. The University acknowledges the requirement to maintain record of the generation and distribution of these notifications, which is done by keeping a backup of the electronic files on archive servers. During the audit period, it was discovered that some of the backup files could not be located and that, in turn, was found to be the result of a change in the file naming. The University has reviewed the series of batch jobs that ensures emails are sent to all students/borrowers who receive a loan disbursement with the required notifications, in addition to the backup server, to improve redundancy in record retention. Further, technology staff have developed an improved process for archiving files to ensure that no records can be left out due to disbursement dates and program run dates. The University will be implementing a new financial/aid student software for the 2021-2022 award year and has targeted the notification process to ensure no further issues.	