
Purdue University

Federal Awards Supplemental Information
June 30, 2022

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Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance**Independent Auditor's Report**

To the Board of Trustees
Purdue University

We have audited the financial statements of the business-type activities, the fiduciary activities, and the aggregate discretely presented component units of Purdue University (the "University"), a component unit of the State of Indiana, as of and for the year ended June 30, 2022 and the related notes to the financial statements, which collectively comprise the University's basic financial statements. We issued our report thereon dated October 26, 2022, which contained an unmodified opinion on the financial statements. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. We have not performed any procedures with respect to the audited financial statements subsequent to October 26, 2022.

We did not audit the financial statements of Purdue Research Foundation, which represents 95 percent, 98 percent, and 96 percent of the assets, net position, and revenue, respectively, of the discretely presented component units. Purdue Research Foundation's financial statements were audited by other auditors, whose report has been furnished to us, and our opinion, insofar as it relates to the amounts included for Purdue Research Foundation, is based solely on the report of the other auditors.

The University's basic financial statements include the operations of Purdue University Global, Inc. (Purdue Global), a blended component unit. Purdue Global expended federal awards that are reported separately and are not included in the University's schedule of expenditures of federal awards for the year ended June 30, 2022.

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

A handwritten signature in black ink that reads "Plante & Moran, PLLC".

March 7, 2023

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

Independent Auditor's Report

To Management and the Board of Trustees
Purdue 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 basic financial statements of the business-type activities, the fiduciary activities, and the aggregate discretely presented component units of Purdue University (the "University"), a component unit of the State of Indiana, as of and for the year ended June 30, 2022 and the related notes to the financial statements, which collectively comprise the University's basic financial statements, and have issued our report thereon dated October 26, 2022. Our report includes a reference to other auditors who audited the financial statements of Purdue Research Foundation, as described in our report on Purdue University's financial statements. The financial statements of Purdue International, Inc., a blended component unit, were not audited in accordance with *Government Auditing Standards*, and, accordingly, this report does not include reporting on internal control over financial reporting or compliance and other matters associated with Purdue International, Inc. or that are reported on separately by those auditors who audited the financial statements of Purdue Research Foundation.

Report on Internal Control Over Financial Reporting

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

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

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

Report on Compliance and Other Matters

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

To Management and the Board of Trustees
Purdue University

Purpose of This Report

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

Plante & Moran, PLLC

October 26, 2022

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

Independent Auditor's Report

To the Board of Trustees
Purdue University

Report on Compliance for Each Major Federal Program

Opinion on Each Major Federal Program

We have audited Purdue University's (the "University") compliance with the types of compliance requirements identified as subject to audit in the Office of Management and Budget (OMB) Compliance Supplement that could have a direct and material effect on each of the University's major federal programs for the year ended June 30, 2022. The University's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs. The University's basic financial statements include the operations of Purdue Global, Inc., a blended component unit, which expended federal awards that are not included in the University's schedule of expenditures of federal awards during the year ended June 30, 2022. Our compliance audit, described in this paragraph, does not include the operations of Purdue Global, Inc. because Purdue Global, Inc. completed a separate audit of compliance.

In our opinion, the University complied, in all material respects, with the 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, 2022.

Basis for Opinion on Each Major Federal Program

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America (GAAS); the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (the "Uniform Guidance"). Our responsibilities under those standards and the Uniform Guidance are further described in the *Auditor's Responsibilities for the Audit of Compliance* section of our report.

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

Responsibilities of Management for Compliance

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

To the Board of Trustees
Purdue University

Auditor's Responsibilities for the Audit of Compliance

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

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

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the University's compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.
- Obtain an understanding of the University's internal control over compliance relevant to the audit in order to design audit procedures that are appropriate in the circumstances and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control over compliance. Accordingly, no such opinion is expressed.

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

Report on Internal Control Over Compliance

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

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A material weakness in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance such that there is reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. We consider the deficiency in internal control over compliance described in the accompanying schedule of findings and questioned costs as Finding 2022-003 to be a material weakness.

A significant deficiency in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance. We consider the deficiencies in internal control over compliance described in the accompanying schedule of findings and questioned costs as Findings 2022-001, 2022-002, and 2022-004 to be significant deficiencies.

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

To the Board of Trustees
Purdue University

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

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

Plante & Moreau, PLLC

March 7, 2023

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|--|---|--------------|------------------------------------|-------------------|-----------------------|---|----------------------|---------------------------|
| Student Financial Assistance Cluster* | U.S. Department of Education | Direct | | | 84.007 | Federal Supplemental Educational Opportunity Grants | 2,591,790 | 0 |
| Student Financial Assistance Cluster* | U.S. Department of Education | Direct | | | 84.033 | Federal Work-Study Program | 835,189 | 0 |
| Student Financial Assistance Cluster* | U.S. Department of Education | Direct | | | 84.038 | LOAN/LOAN GUARANTEE - Federal Perkins Loan Program_Federal Capital Contributions | 8,822,805 | 0 |
| Student Financial Assistance Cluster* | U.S. Department of Education | Direct | | | 84.063 | Federal Pell Grant Program | 47,038,980 | 0 |
| Student Financial Assistance Cluster* | U.S. Department of Education | Direct | | | 84.268 | LOAN/LOAN GUARANTEE - Federal Direct Student Loans | 165,891,759 | 0 |
| Student Financial Assistance Cluster* | U.S. Department of Education | Direct | | | 84.379 | Teacher Education Asst for College & Higher Education Grants (TEACH Grants) | 20,690 | 0 |
| Student Financial Assistance Cluster* | Total - U.S. Department of Education | | | | | | 225,201,213 | 0 |
| Student Financial Assistance Cluster* | U.S. Department of Health & Human Services | Direct | | | 93.342 | LOAN/LOAN GUARANTEE - Health Professions Student Loans, Including Primary Care Loan | 3,449,318 | 0 |
| Student Financial Assistance Cluster* | Total - U.S. Department of Health & Human Services | | | | | | 3,449,318 | 0 |
| Total - Student Financial Assistance Cluster* | | | | | | | 228,650,531 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.001 | Agricultural Research_Basic and Applied Research | 2,872,046 | 13,891 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IOWA STATE UNIVERSITY | 021220B | 10.001 | Agricultural Research_Basic and Applied Research | 34,176 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | AGRICULTURAL RESEARCH SERVICE | 59-5020-1-001 | 10.001 | Agricultural Research_Basic and Applied Research | 45,539 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | AGRICULTURAL RESEARCH SERVICE | 59-5020-8-002 | 10.001 | Agricultural Research_Basic and Applied Research | 38,567 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | AGRICULTURAL RESEARCH SERVICE | 59-5020-8-004 | 10.001 | Agricultural Research_Basic and Applied Research | -2,305 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | AGRICULTURAL RESEARCH SERVICE | 59-5020-9-003 | 10.001 | Agricultural Research_Basic and Applied Research | 99,992 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | AGRICULTURAL RESEARCH SERVICE | 59-5090-7-003 | 10.001 | Agricultural Research_Basic and Applied Research | -815 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | FLORIDA ATLANTIC UNIVERSITY | PR-K195 | 10.001 | Agricultural Research_Basic and Applied Research | 88,904 | 0 |
| | | | | | Total - 10.001 | | 3,176,104 | 13,891 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.025 | Plant and Animal Disease, Pest Control, and Animal Care | 1,531,136 | 20,484 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN DEPARTMENT OF NATURAL RESOURCES | 62446 | 10.025 | Plant and Animal Disease, Pest Control, and Animal Care | 11,602 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN DEPARTMENT OF NATURAL RESOURCES | CONTRACT NO 52169 | 10.025 | Plant and Animal Disease, Pest Control, and Animal Care | 49,625 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN DEPARTMENT OF NATURAL RESOURCES | CONTRACT NO 52633 | 10.025 | Plant and Animal Disease, Pest Control, and Animal Care | 62,339 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN DEPARTMENT OF NATURAL RESOURCES | NTP22014424 | 10.025 | Plant and Animal Disease, Pest Control, and Animal Care | 2,273 | 0 |
| | | | | | Total - 10.025 | | 1,656,975 | 20,484 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.028 | Wildlife Services | 111,955 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.163 | Market Protection and Promotion | 100,389 | 39,047 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | THE CENTER FOR PRODUCE SAFETY | 2021CPS12 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 198,799 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | THE CENTER FOR PRODUCE SAFETY | 2022CPS10 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 34,614 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | 57830 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 12,962 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--------------------------------|--------------|------------------------------------|---------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | 57833 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 213 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | A337-17-SCBG-101 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 5 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | A337-19-SCBG-18-004 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 40,452 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | A337-19-SCBG-18-006 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 905 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | A337-21-SCBG-20-101 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 44,870 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | A337-21-SCBG-20-102 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 24,728 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | A337-21-SCBG-20-103 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 39,606 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | CONTRACT #38036 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 59,637 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | CONTRACT #38038 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 34,252 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | CONTRACT #38040 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 60,545 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | CONTRACT #38043 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 31,220 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | CONTRACT #57824 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 24,511 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | CONTRACT #57832 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 38,584 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | CONTRACT ID 24214 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | -11 | 0 |
| | | | | | Total - 10.170 | | 645,892 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF KENTUCKY | 3200003709-21-207 | 10.174 | Acer Access & Development Program | 19,307 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IOWA STATE UNIVERSITY | 019585G | 10.200 | Grants for Agricultural Research, Special Research Grants | 3,195 | 2,829 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IOWA STATE UNIVERSITY | 019585M | 10.200 | Grants for Agricultural Research, Special Research Grants | 19,591 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IOWA STATE UNIVERSITY | 019585T | 10.200 | Grants for Agricultural Research, Special Research Grants | 63,334 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IOWA STATE UNIVERSITY | 019585U | 10.200 | Grants for Agricultural Research, Special Research Grants | 2,192 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | MICHIGAN STATE UNIVERSITY | PO 514073 | 10.200 | Grants for Agricultural Research, Special Research Grants | 15,186 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | MICHIGAN STATE UNIVERSITY | PO 630500 | 10.200 | Grants for Agricultural Research, Special Research Grants | 2,771 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | COLORADO STATE UNIVERSITY | UV MONITORING 2008 | 10.200 | Grants for Agricultural Research, Special Research Grants | 9 | 0 |
| | | | | | Total - 10.200 | | 106,278 | 2,829 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.202 | Cooperative Forestry Research | 611,430 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.203 | Payments to Agricultural Experiment Stations Under the Hatch Act | 6,997,279 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | NORTH CAROLINA A & T UNIVERSITY | 240948A - 88118 | 10.205 | Payments to 1890 Land-Grant Colleges and Tuskegee University | -341 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | NORTH CAROLINA A & T UNIVERSITY | 240989A/EA240970 | 10.205 | Payments to 1890 Land-Grant Colleges and Tuskegee University | 10,336 | 0 |
| | | | | | Total - 10.205 | | 9,995 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.207 | Animal Health and Disease Research | 23,948 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--------------------------------|--------------|--|------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | NOVATEUR RESEARCH SOLUTIONS LLC | 2019-33610-30180 | 10.212 | Small Business Innovation Research | 16,549 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | NUTRAMAIZE | 80542 | 10.212 | Small Business Innovation Research | 614 | 0 |
| | | | | | Total - 10.212 | | 17,163 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | CENTRAL STATE UNIVERSITY | 8551-01 | 10.215 | Sustainable Agriculture Research and Education | 6,749 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H006607403 | 10.215 | Sustainable Agriculture Research and Education | 370 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H006607404 | 10.215 | Sustainable Agriculture Research and Education | 15,168 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H006607431 | 10.215 | Sustainable Agriculture Research and Education | 2,995 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H007179315 | 10.215 | Sustainable Agriculture Research and Education | 50,704 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H007813943 | 10.215 | Sustainable Agriculture Research and Education | 918 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H008334008 | 10.215 | Sustainable Agriculture Research and Education | 10,293 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H008334013 | 10.215 | Sustainable Agriculture Research and Education | 7,193 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H008568305 | 10.215 | Sustainable Agriculture Research and Education | 33,436 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H008917105 | 10.215 | Sustainable Agriculture Research and Education | 72,553 | 11,026 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H008917109 | 10.215 | Sustainable Agriculture Research and Education | 57,209 | 38,286 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H008917112 | 10.215 | Sustainable Agriculture Research and Education | 92,913 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H008917120 | 10.215 | Sustainable Agriculture Research and Education | 9,962 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H009277408 | 10.215 | Sustainable Agriculture Research and Education | 1,990 | 0 |
| | | | | | Total - 10.215 | | 362,453 | 49,312 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | LANGSTON UNIVERSITY | 2017-38821-26445 | 10.216 | 1890 Institution Capacity Building Grants | 31,937 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.217 | Higher Education Challenge Grants | 159,502 | 63,789 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.219 | Biotechnology Risk Assessment Research | 62,287 | 8,230 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | RICE UNIVERSITY | R19322 | 10.219 | Biotechnology Risk Assessment Research | 396 | 0 |
| | | | | | Total - 10.219 | | 62,683 | 8,230 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.250 | Agricultural and Rural Economic Research | 120,271 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.253 | Consumer Data and Nutrition Research | 21,330 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.290 | Agricultural Market and Economic Research | 54,965 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | VIRGINIA POLYTECHNIC INST & STATE UNIV | 423634-19084 | 10.290 | Agricultural Market and Economic Research | 42,939 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF TENNESSEE (THE) | 9500105314 | 10.290 | Agricultural Market and Economic Research | 51,286 | 0 |
| | | | | | Total - 10.290 | | 149,190 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.303 | Integrated Programs | 499,769 | 63,173 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--------------------------------|--------------|---------------------------------|--------------------|-----------------------|---|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.304 | Homeland Security_Agricultural | 339,421 | 55,735 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | MICHIGAN STATE UNIVERSITY | RC106556E | 10.304 | Homeland Security_Agricultural | -4,792 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | MICHIGAN STATE UNIVERSITY | RC112910F | 10.304 | Homeland Security_Agricultural | 37,513 | 0 |
| | | | | | Total - 10.304 | | 372,142 | 55,735 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.307 | Organic Agriculture Research and Extension Initiative | 298,340 | 128,644 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | NORTH CAROLINA STATE UNIVERSITY | 2019-3156-02 | 10.307 | Organic Agriculture Research and Extension Initiative | 56,535 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | MICHIGAN STATE UNIVERSITY | RC106531A | 10.307 | Organic Agriculture Research and Extension Initiative | -21,086 | 0 |
| | | | | | Total - 10.307 | | 333,789 | 128,644 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.309 | Specialty Crop Research Initiative | 97,366 | 57,529 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | TEXAS A&M AGRILIFE RESEARCH | 06-M1703517 | 10.309 | Specialty Crop Research Initiative | -245 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H006335003 | 10.309 | Specialty Crop Research Initiative | 85,428 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | TEXAS A&M AGRILIFE RESEARCH | M1900056 | 10.309 | Specialty Crop Research Initiative | 61,028 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | MICHIGAN STATE UNIVERSITY | RC110566PU | 10.309 | Specialty Crop Research Initiative | 9,492 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | SYNERGISTIC HAWAII AG COUNCIL | SCRIPURDUE-2022 | 10.309 | Specialty Crop Research Initiative | 15,425 | 0 |
| | | | | | Total - 10.309 | | 268,494 | 57,529 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.310 | Agriculture and Food Research Initiative | 4,572,888 | 576,973 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | MISSISSIPPI STATE UNIVERSITY | 010500.340919.01 | 10.310 | Agriculture and Food Research Initiative | 18,436 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF ILLINOIS | 099354-18805 | 10.310 | Agriculture and Food Research Initiative | 13,133 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | INDIANA WESLEYAN UNIVERSITY | 101 | 10.310 | Agriculture and Food Research Initiative | 16,719 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | NORTH CAROLINA STATE UNIVERSITY | 2019-1507-03 | 10.310 | Agriculture and Food Research Initiative | 168,512 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF OKLAHOMA | 2021-31 | 10.310 | Agriculture and Food Research Initiative | 7,315 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF NOTRE DAME | 204064PU | 10.310 | Agriculture and Food Research Initiative | 18,526 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | KENTUCKY STATE UNIVERSITY | 210174 202092 3100 | 10.310 | Agriculture and Food Research Initiative | 15,999 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | NORTH CAROLINA A & T UNIVERSITY | 241049A | 10.310 | Agriculture and Food Research Initiative | 19,302 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF NEBRASKA-LINCOLN | 25-6226-0664-002 | 10.310 | Agriculture and Food Research Initiative | 14,604 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | OHIO STATE UNIVERSITY | 60064615 | 10.310 | Agriculture and Food Research Initiative | 6,948 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | OHIO STATE UNIVERSITY | 60076795 | 10.310 | Agriculture and Food Research Initiative | 4,718 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF ARKANSAS | AWD-100401-02 | 10.310 | Agriculture and Food Research Initiative | 5,899 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | NORTH DAKOTA STATE UNIVERSITY | FAR0035357 | 10.310 | Agriculture and Food Research Initiative | 92 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | TEXAS A&M AGRILIFE RESEARCH | M1903128 | 10.310 | Agriculture and Food Research Initiative | 76,558 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--------------------------------|--------------|-----------------------------------|-------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF IDAHO | NR3396-SB-691717 | 10.310 | Agriculture and Food Research Initiative | 42,945 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | MICHIGAN STATE UNIVERSITY | RC111174A | 10.310 | Agriculture and Food Research Initiative | 6,201 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | MICHIGAN STATE UNIVERSITY | RC111302D | 10.310 | Agriculture and Food Research Initiative | 62,114 | 0 |
| | | | | | Total - 10.310 | | 5,070,909 | 576,973 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | KANSAS STATE UNIVERSITY | A21-0692-S001 | 10.320 | Sun Grant Program | 21,512 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.328 | Natrl Food Safety Training, Educ, Extn, Outreach & Tech Asst Compet Grant Prog | 22,547 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.329 | Crop Protection and Pest Management Competitive Grants Program | 184,219 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | NORTH CAROLINA STATE UNIVERSITY | 2019-0465-01 | 10.329 | Crop Protection and Pest Management Competitive Grants Program | 33,486 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MISSOURI | C00059074-2 | 10.329 | Crop Protection and Pest Management Competitive Grants Program | 18,919 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | MICHIGAN STATE UNIVERSITY | RC108974BB | 10.329 | Crop Protection and Pest Management Competitive Grants Program | 24,491 | 19,365 |
| | | | | | Total - 10.329 | | 261,115 | 19,365 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF WISCONSIN-MADISON | 0000001579 | 10.330 | Alfalfa and Forage Research Program | 587 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IOWA STATE UNIVERSITY | 022840F | 10.332 | Agricultural Genome to Phenome Initiative | 11,990 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | PEOPLES FOUNDATION | LIFE 00087918 | 10.443 | Outreach and Assistance for Socially Disadvantaged Farmers and Ranchers | 37,998 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.500 | Cooperative Extension Service | 224,032 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | KANSAS STATE UNIVERSITY | A22-0256-S002 | 10.500 | Cooperative Extension Service | 24,065 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | EXTENSION FOUNDATION | NTAE-2021-2140 | 10.500 | Cooperative Extension Service | 25,491 | 0 |
| | | | | | Total - 10.500 | | 273,588 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.516 | Rural Health and Safety Education (RHSE) | 24,353 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | U OF KENTUCKY CTR FOR POVERTY RES | 3200002889-20-241 | 10.565 | Commodity Supplemental Food Program | 9,487 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.652 | Forestry Research | 179,975 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | OREGON STATE UNIVERSITY | J2401A-A | 10.652 | Forestry Research | 33 | 0 |
| | | | | | Total - 10.652 | | 180,008 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF TENNESSEE (THE) | 9500075412 | 10.675 | Urban and Community Forestry Program | 260 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF TENNESSEE (THE) | 9500094793 | 10.675 | Urban and Community Forestry Program | 14,770 | 0 |
| | | | | | Total - 10.675 | | 15,030 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.678 | Forest Stewardship Program | 61,971 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.680 | Forest Health Protection | -14,014 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.699 | Partnership Agreement Program | 95,950 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.707 | Research Joint Ventures and Cost Reimbursable Agreements | 16,885 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|---|--------------|---------------------------------------|------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.777 | Norman E. Borlaug International Agricultural Science and Technology Fellowship | 6,488 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.902 | Soil and Water Conservation | 192,886 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF ILLINOIS | 101917-18195 | 10.902 | Soil and Water Conservation | 71,184 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF WISCONSIN | 144-AAI4597 | 10.902 | Soil and Water Conservation | 75,828 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | NATURE CONSERVANCY, THE | 2041-0025 | 10.902 | Soil and Water Conservation | 49,188 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | IN ASSOC OF SOIL & WATER CONSERV DIST | 21014457 | 10.902 | Soil and Water Conservation | 36,658 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | AMER SOC OF AG & BIO ENGINEERS | NR183A750007C006 | 10.902 | Soil and Water Conservation | 12,083 | 0 |
| | | | | | Total - 10.902 | | 437,827 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.903 | Soil Survey | 34,707 | 3,551 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF ILLINOIS | 103926-18438 | 10.912 | Environmental Quality Incentives Program | 5,454 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | BROOKSIDE LABORATORIES, INC | 20013295 | 10.912 | Environmental Quality Incentives Program | 10,868 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | A008715101 | 10.912 | Environmental Quality Incentives Program | 17,597 | 0 |
| | | | | | Total - 10.912 | | 33,919 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | AMERICAN FARMLAND TRUST | 21089769 | 10.913 | Farm and Ranch Lands Protection Program | 59,623 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Pass-Through | MICHIGAN STATE UNIVERSITY | RC111953-PU | 10.960 | Technical Agricultural Assistance | 24,008 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | | 10.961 | Scientific Cooperation and Research | 20,020 | 0 |
| Research and Development Cluster | U.S. Department of Agriculture | Direct | | E17-19 | 10.RD | U.S. Department of Agriculture | 21,017 | 0 |
| Research and Development Cluster | Total - U.S. Department of Agriculture | | | | | | 22,585,800 | 1,102,552 |
| Research and Development Cluster | U.S. Department of Commerce | Direct | | | 11.001 | Census Bureau Data Products | 4,583 | 0 |
| Research and Development Cluster | U.S. Department of Commerce | Direct | | | 11.020 | Cluster Grants | 56,664 | 0 |
| Research and Development Cluster | U.S. Department of Commerce | Pass-Through | ECONOMIC DEVELOPMENT ADMINISTRATION | ED21HDQ3070043 | 11.307 | Economic Adjustment Assistance | 355,177 | 0 |
| Research and Development Cluster | U.S. Department of Commerce | Direct | | | 11.417 | Sea Grant Support | 397,648 | 252,471 |
| Research and Development Cluster | U.S. Department of Commerce | Pass-Through | MISSISSIPPI STATE UNIVERSITY | 016200.320565.05 | 11.417 | Sea Grant Support | 3,858 | 0 |
| Research and Development Cluster | U.S. Department of Commerce | Pass-Through | UNIVERSITY OF MINNESOTA | D007941107 | 11.417 | Sea Grant Support | 34,752 | 0 |
| | | | | | Total - 11.417 | | 436,258 | 252,471 |
| Research and Development Cluster | U.S. Department of Commerce | Pass-Through | IN DEPARTMENT OF NATURAL RESOURCES | CONTRACT #46760 | 11.419 | Coastal Zone Management Administration Awards | 421 | 0 |
| Research and Development Cluster | U.S. Department of Commerce | Pass-Through | UNIVERSITY OF OKLAHOMA | 2021-53 | 11.432 | Office of Oceanic and Atmospheric Research (OAR) Joint and Cooperative Institute | 20,366 | 0 |
| Research and Development Cluster | U.S. Department of Commerce | Direct | | | 11.459 | Weather and Air Quality Research | 95,110 | 0 |
| Research and Development Cluster | U.S. Department of Commerce | Pass-Through | TEXAS TECH UNIVERSITY | 21B053-03 | 11.459 | Weather and Air Quality Research | 11,511 | 0 |
| | | | | | Total - 11.459 | | 106,621 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--|--------------|---|-----------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Commerce | Direct | | | 11.609 | Measurement and Engineering Research and Standards | 2,032,068 | 1,094,655 |
| Research and Development Cluster | U.S. Department of Commerce | Pass-Through | STONY BROOK UNIVERSITY | 86272/2/1157293 | 11.609 | Measurement and Engineering Research and Standards | 70,176 | 0 |
| | | | | | Total - 11.609 | | 2,102,244 | 1,094,655 |
| Research and Development Cluster | U.S. Department of Commerce | Pass-Through | NATNL INST FOR INNOVATION IN MF BIO | PC 2.1-001 | 11.619 | Arrangements for Interdisciplinary Research Infrastructure | -172 | 0 |
| Research and Development Cluster | U.S. Department of Commerce | Pass-Through | NATNL INST FOR INNOVATION IN MF BIO | PC4.1-307 | 11.619 | Arrangements for Interdisciplinary Research Infrastructure | 26,301 | 0 |
| Research and Development Cluster | U.S. Department of Commerce | Pass-Through | UNIVERSITY OF DELAWARE | UDR0000032 ARP-18 | 11.619 | Arrangements for Interdisciplinary Research Infrastructure | 347,845 | 0 |
| Research and Development Cluster | U.S. Department of Commerce | Pass-Through | UNIVERSITY OF DELAWARE | UDR0000116 ARP-11 | 11.619 | Arrangements for Interdisciplinary Research Infrastructure | 98,637 | 0 |
| | | | | | Total - 11.619 | | 472,611 | 0 |
| Research and Development Cluster | U.S. Department of Commerce | Direct | | 1305M320PNRMA0628 | 11.RD | U.S. Department of Commerce | 45,951 | 0 |
| Research and Development Cluster | Total - U.S. Department of Commerce | | | | | | 3,600,896 | 1,347,126 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | TEXAS A&M AGRILIFE RESEARCH | M2200866 | 12.005 | Conservation and Rehabilitation of Natural Resources on Military Installations | 30,310 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | | 12.006 | National Defense Education Program | 242,092 | 8,306 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | | 12.300 | Basic and Applied Scientific Research | 16,520,650 | 4,161,126 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | GEORGIA STATE UNIVERSITY | SP00012914-02 | 12.300 | Basic and Applied Scientific Research | 2,006 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF CALIFORNIA - BERKELEY | 00010541 | 12.300 | Basic and Applied Scientific Research | 18,979 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | CORNELL UNIVERSITY | 137850-20943 | 12.300 | Basic and Applied Scientific Research | 75,456 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF CONNECTICUT | 163164 | 12.300 | Basic and Applied Scientific Research | 234,905 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | GUIDED PARTICLE SYSTEMS, INC | 21036153 | 12.300 | Basic and Applied Scientific Research | 12,812 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | P. C. KRAUSE AND ASSOCIATES, INC. | 21089777 | 12.300 | Basic and Applied Scientific Research | 42,368 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF PENNSYLVANIA | 572339 | 12.300 | Basic and Applied Scientific Research | 104,096 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | CORNELL UNIVERSITY | 81424-10839 | 12.300 | Basic and Applied Scientific Research | 25 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | TEXAS A&M AGRILIFE RESEARCH | M1901497 | 12.300 | Basic and Applied Scientific Research | 50,137 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF TENNESSEE SPACE INSTITUTE | N00164-20-2008-PURDUE | 12.300 | Basic and Applied Scientific Research | 48,489 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | FLORIDA STATE UNIVERSITY | R000002831 | 12.300 | Basic and Applied Scientific Research | 122,308 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | FLORIDA STATE UNIVERSITY | R000002979 | 12.300 | Basic and Applied Scientific Research | 1,898 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | FLORIDA STATE UNIVERSITY | R01850 | 12.300 | Basic and Applied Scientific Research | -3,649 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | FLORIDA STATE UNIVERSITY | R02119 | 12.300 | Basic and Applied Scientific Research | 12,094 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00014010-01 | 12.300 | Basic and Applied Scientific Research | 234,396 | 0 |
| | | | | | Total - 12.300 | | 17,476,970 | 4,161,126 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | | 12.351 | Basic Scientific Research - Combating Weapons of Mass Destruction | -14,051 | 0 |

* denotes major programs

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|----------------------------|--------------|---|------------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Defense | Direct | | | 12.420 | Military Medical Research and Development | 1,463,382 | 106,283 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | COLUMBIA UNIVERSITY | 1(GG015390-01) | 12.420 | Military Medical Research and Development | 36,551 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SOUTHERN ILLINOIS UNIVERSITY | 19-02 | 12.420 | Military Medical Research and Development | 63 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF CALIFORNIA-IRVINE | 2021-1581 | 12.420 | Military Medical Research and Development | 109,557 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | HENRY M JACKSON FOUNDATION | 5782 | 12.420 | Military Medical Research and Development | 37,744 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | INDIANA UNIVERSITY | 9176-PU | 12.420 | Military Medical Research and Development | 50,691 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF KANSAS | FY2019-115 | 12.420 | Military Medical Research and Development | 57,516 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | THE GENEVA FOUNDATION | S-1424-02 | 12.420 | Military Medical Research and Development | 76,147 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | CALIFORNIA INSTITUTE OF TECHNOLOGY | S374892 | 12.420 | Military Medical Research and Development | 234 | 0 |
| | | | | | Total - 12.420 | | 1,831,885 | 106,283 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | | 12.431 | Basic Scientific Research | 16,361,341 | 5,164,220 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | BROWN UNIVERSITY | 00001603 | 12.431 | Basic Scientific Research | 34,544 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | WORCESTER POLYTECHNIC INSTITUTE | 10900-GR | 12.431 | Basic Scientific Research | 93,064 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | GEORGIA TECH | AWD-101190-G4 | 12.431 | Basic Scientific Research | 1,321 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | YALE UNIVERSITY | CON-80003444(GR115165) | 12.431 | Basic Scientific Research | 137,401 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | BAE SYSTEMS ADVANCED TECHNOLOGIES, INC. | PO# CCD-063020-01-CLC | 12.431 | Basic Scientific Research | 43,093 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00010157 | 12.431 | Basic Scientific Research | 157,948 | 0 |
| | | | | | Total - 12.431 | | 16,828,712 | 5,164,220 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | | 12.630 | Basic, Applied, and Advanced Research in Science and Engineering | 81,734 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | CONTINUOUS SOLUTIONS | 20090760 | 12.630 | Basic, Applied, and Advanced Research in Science and Engineering | 194,603 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF DELAWARE | 56869 | 12.630 | Basic, Applied, and Advanced Research in Science and Engineering | -1,018 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF DELAWARE | UDR0000009 | 12.630 | Basic, Applied, and Advanced Research in Science and Engineering | 59,864 | 0 |
| | | | | | Total - 12.630 | | 335,183 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | | 12.800 | Air Force Defense Research Sciences Program | 7,186,717 | 1,095,370 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UES INC. | 119-003-002 | 12.800 | Air Force Defense Research Sciences Program | 53,832 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | PRESIDENT & FELLOWS OF HARVARD | 130427-5114548 | 12.800 | Air Force Defense Research Sciences Program | 128,783 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF SOUTHERN CALIFORNIA | 136712590 | 12.800 | Air Force Defense Research Sciences Program | 269,612 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF TULSA | 14-2-12-153426-66019 | 12.800 | Air Force Defense Research Sciences Program | 15,374 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF CALIFORNIA-IRVINE | 2020-1389 | 12.800 | Air Force Defense Research Sciences Program | 70,871 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF MICHIGAN | 3004428167 | 12.800 | Air Force Defense Research Sciences Program | 32,159 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|----------------------------|--------------|-------------------------------------|-----------------------|-----------------------|---|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | STANFORD UNIVERSITY | 62741613-204669 | 12.800 | Air Force Defense Research Sciences Program | 155,704 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | FLORIDA INTERNATIONAL UNIVERSITY | 800011034-01UG/000143 | 12.800 | Air Force Defense Research Sciences Program | 207,978 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | BOISE STATE UNIVERSITY | 8583-PO132260 | 12.800 | Air Force Defense Research Sciences Program | 96,721 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF MISSOURI-COLUMBIA | C00064537-5 | 12.800 | Air Force Defense Research Sciences Program | 212,381 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SMART INFORMATION FLOW TECHNOLOGIES | NEUTRON-PH2-PURDUE-01 | 12.800 | Air Force Defense Research Sciences Program | 30,933 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | CENTAURI | PO# 1461 | 12.800 | Air Force Defense Research Sciences Program | 42,068 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF CALIFORNIA-RIVERSIDE | S-000701 | 12.800 | Air Force Defense Research Sciences Program | 76,898 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SPECTRAL ENERGIES, LLC | SB1908-001-1 | 12.800 | Air Force Defense Research Sciences Program | 57,959 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF FLORIDA | SUB00002946 | 12.800 | Air Force Defense Research Sciences Program | 46,894 | 0 |
| | | | | | Total - 12.800 | | 8,684,884 | 1,095,370 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | | 12.902 | Information Security Grants | -1,248 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | | 12.903 | GenCyber Grants Program | 112,007 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | | 12.905 | CyberSecurity Core Curriculum | 444,817 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF ALABAMA HUNTSVILLE | 2020-1268 | 12.905 | CyberSecurity Core Curriculum | 134,599 | 0 |
| | | | | | Total - 12.905 | | 579,416 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | | 12.910 | Research and Technology Development | 4,430,443 | 819,565 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | STEVENS INSTITUTE OF TECHNOLOGY | 2103299-01 | 12.910 | Research and Technology Development | 22,868 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | ROCHESTER INSTITUTE OF TECHNOLOGY | 417385/URFAO GR510841 | 12.910 | Research and Technology Development | 62,219 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | PENNSYLVANIA STATE UNIVERSITY | 5621-PU-DARPA-0032 | 12.910 | Research and Technology Development | 78,772 | 0 |
| | | | | | Total - 12.910 | | 4,594,302 | 819,565 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | 100720-1 | 12.RD | U.S. Department of Defense | 26,083 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | 1131-00059 | 12.RD | U.S. Department of Defense | 14,736 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | 149001305 | 12.RD | U.S. Department of Defense | 18,246 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | 167017 | 12.RD | U.S. Department of Defense | -78 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | 19089079 | 12.RD | U.S. Department of Defense | 26,667 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | 2019-016 | 12.RD | U.S. Department of Defense | 145,780 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | 2021-21090200002 | 12.RD | U.S. Department of Defense | 689,828 | 199,756 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | 21123824 | 12.RD | U.S. Department of Defense | 119,925 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | F1SRQ22062M001 | 12.RD | U.S. Department of Defense | 67,012 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | FA864921P0368 | 12.RD | U.S. Department of Defense | 5,368 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|----------------------------|--------------|---|--------------------|-------|----------------------------|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Defense | Direct | | FA8650-19-C-2410 | 12.RD | U.S. Department of Defense | 849,425 | 115,798 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | FA930022P6006 - 01 | 12.RD | U.S. Department of Defense | 11,243 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | H98230-21-1-0180 | 12.RD | U.S. Department of Defense | 34,808 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | HR001119C0038 | 12.RD | U.S. Department of Defense | -159 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | HR00112090010 | 12.RD | U.S. Department of Defense | 134,468 | 41,371 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | HR00112090069 | 12.RD | U.S. Department of Defense | 213,309 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | HR00112090083 | 12.RD | U.S. Department of Defense | 309,000 | 89,958 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | HR00112090124 | 12.RD | U.S. Department of Defense | 253,179 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | HR00112190006-04 | 12.RD | U.S. Department of Defense | 498,420 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | HR00112190007 | 12.RD | U.S. Department of Defense | 344,950 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | HR00112190038 | 12.RD | U.S. Department of Defense | 375,459 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | N0016420PJ176 | 12.RD | U.S. Department of Defense | 55,969 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | N00173-19-P-1124 | 12.RD | U.S. Department of Defense | -1,515 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | N00173-20-P-0210 | 12.RD | U.S. Department of Defense | 9 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | N00178-21-P-6682 | 12.RD | U.S. Department of Defense | 12,709 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | N6893622P0099 | 12.RD | U.S. Department of Defense | 24,616 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | NTP-22090312 | 12.RD | U.S. Department of Defense | 24,011 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | W911NF-16-2-0020 | 12.RD | U.S. Department of Defense | -390 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | W911QY1910009 | 12.RD | U.S. Department of Defense | 226,649 | 50,668 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | W912HQ-14-C-0047 | 12.RD | U.S. Department of Defense | -141 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | W912HQ-16-C-0048 | 12.RD | U.S. Department of Defense | 56,686 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | W912HQ-18-C-0021 | 12.RD | U.S. Department of Defense | 43,668 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | W912HQ-22-P-0020 | 12.RD | U.S. Department of Defense | 139,043 | 1,157 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | W912HQ19C0063 | 12.RD | U.S. Department of Defense | 138,942 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | W912HQ20C0020 | 12.RD | U.S. Department of Defense | 491,354 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | W912HZ20C0019 | 12.RD | U.S. Department of Defense | 147,348 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Direct | | W9132V22C0002 | 12.RD | U.S. Department of Defense | 29,288 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | INST FOR ADVCD COMPOSITES MF INNOVATION | 020-900-002 | 12.RD | U.S. Department of Defense | 33,267 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | ENERGETICS TECHNOLOGY CENTER | 0258 TO 0001 | 12.RD | U.S. Department of Defense | 7,408 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | IN TECH & MANUFACTURING CO | 08012020SC1 | 12.RD | U.S. Department of Defense | 172,568 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|----------------------------|--------------|--|-------------------------|-------|----------------------------|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | PHYSICAL SCIENCES, INC | 10-11617-4585-46 | 12.RD | U.S. Department of Defense | 32,200 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | BAE SYSTEMS ADVANCED TECHNOLOGIES, INC. | 1105750-1 | 12.RD | U.S. Department of Defense | 329,009 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | BAE SYSTEMS ADVANCED TECHNOLOGIES, INC. | 1119482-1 | 12.RD | U.S. Department of Defense | 125,227 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | TANGRAM FLEX, INC | 125_01_PURDUE | 12.RD | U.S. Department of Defense | 223 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF SOUTHERN CALIFORNIA | 125053027 | 12.RD | U.S. Department of Defense | 351,199 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | TANGRAM FLEX, INC | 130_01_PURDUE | 12.RD | U.S. Department of Defense | 134,956 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | APTIMA, INC. | 1477-2220 | 12.RD | U.S. Department of Defense | 127,226 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | HELICON CHEMICAL COMPANY | 15109773 | 12.RD | U.S. Department of Defense | 4,756 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS | 155220 | 12.RD | U.S. Department of Defense | -632 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | ARCTOS TECHNOLOGY SOLUTIONS, LLC | 162642.01.00.0001.00.42 | 12.RD | U.S. Department of Defense | 61,063 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF ILLINOIS AT CHICAGO | 18428 | 12.RD | U.S. Department of Defense | 81,989 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | TWINLEAF LLC | 19035493 | 12.RD | U.S. Department of Defense | 145 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | CORVID TECHNOLOGIES | 20-034 | 12.RD | U.S. Department of Defense | 22 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | CORVID TECHNOLOGIES | 20-037 | 12.RD | U.S. Department of Defense | 30,065 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | PC KRAUSE AND ASSOCIATES | 20035240 | 12.RD | U.S. Department of Defense | 120,179 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | BDYWR, LLC | 20046553 | 12.RD | U.S. Department of Defense | -1,401 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | FLIR SYSTEMS INC | 20089402 | 12.RD | U.S. Department of Defense | 221,572 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | ADVANCED TECHNOLOGY INTERNATIONAL | 2018-505 TASK NO. 2 | 12.RD | U.S. Department of Defense | 63,541 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | GALOIS, INC | 2020-017 | 12.RD | U.S. Department of Defense | 71,195 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | ADVANCED TECHNOLOGY INTERNATIONAL | 2021-432 | 12.RD | U.S. Department of Defense | 881,135 | 336,114 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | GALOIS, INC | 2022-003 | 12.RD | U.S. Department of Defense | 20,885 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | CFD RESEARCH CORPORATION | 206951 | 12.RD | U.S. Department of Defense | 12,420 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | CONTINUOUS SOLUTIONS | 21013851 | 12.RD | U.S. Department of Defense | 296,255 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | BDYWR, LLC | 21013954 | 12.RD | U.S. Department of Defense | 74,998 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | VORCAT, INC | 21014423 | 12.RD | U.S. Department of Defense | 5,463 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | STREAMLINE AUTOMATION LLC | 21024698 | 12.RD | U.S. Department of Defense | 59,205 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | STEVENS INSTITUTE OF TECHNOLOGY | 2102990-01 | 12.RD | U.S. Department of Defense | -5 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | STEVENS INSTITUTE OF TECHNOLOGY | 2103000-01 | 12.RD | U.S. Department of Defense | -6 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | STEVENS INSTITUTE OF TECHNOLOGY | 2103014-02 | 12.RD | U.S. Department of Defense | 33,122 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | STEVENS INSTITUTE OF TECHNOLOGY | 2103190-02 | 12.RD | U.S. Department of Defense | 197,094 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|----------------------------|--------------|--|-----------------------|-------|----------------------------|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | STEVENS INSTITUTE OF TECHNOLOGY | 2103221-05 | 12.RD | U.S. Department of Defense | 49,997 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | STEVENS INSTITUTE OF TECHNOLOGY | 2103221-13 | 12.RD | U.S. Department of Defense | 765,808 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | STEVENS INSTITUTE OF TECHNOLOGY | 2103255-01 | 12.RD | U.S. Department of Defense | 136,735 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | INTRINSIX, INC | 21035375 | 12.RD | U.S. Department of Defense | 102,319 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | FLIGHTPROFILER LLC | 21057224 - STTR P1 | 12.RD | U.S. Department of Defense | 17,500 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | FLIGHTPROFILER LLC | 21068183 | 12.RD | U.S. Department of Defense | 50,000 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SOFTWARE FACTORY LABS INC | 21112206 | 12.RD | U.S. Department of Defense | 67,440 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | LUNA INNOVATIONS INCORPORATED | 3682-DHA-2S/PURDUE | 12.RD | U.S. Department of Defense | 137,051 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | NATIONAL AEROSPACE SOLUTIONS, LLC | 418620 | 12.RD | U.S. Department of Defense | -2,713 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | NEWPORT NEWS SHIPBUILDING | 4500662778 | 12.RD | U.S. Department of Defense | 10,666 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | IBM | 4700059853 | 12.RD | U.S. Department of Defense | 80,107 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | IBM | 4700184269 | 12.RD | U.S. Department of Defense | 27,704 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | IBM | 4700185103 | 12.RD | U.S. Department of Defense | 86,042 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | GENERAL DYNAMICS INFORMATION TECH INC | 4SK00008LB | 12.RD | U.S. Department of Defense | 4,510 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | MASSACHUSETTS INST OF TECH LINCOLN LAB | 7000506291 | 12.RD | U.S. Department of Defense | 61,163 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF CALIFORNIA - SAN DIEGO | 703731 | 12.RD | U.S. Department of Defense | 153,016 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | CFD RESEARCH CORPORATION | 9391 | 12.RD | U.S. Department of Defense | 171,929 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | LYNNTECH INC | AF-002 II | 12.RD | U.S. Department of Defense | 165,740 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | ARIZONA STATE UNIVERSITY | ASUB00000424-06 | 12.RD | U.S. Department of Defense | 275,239 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | RAYTHEON BBN TECHNOLOGIES | BBN REF #90189 | 12.RD | U.S. Department of Defense | 245,756 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | EXPEDITION TECHNOLOGY INC | EXP-21-09 | 12.RD | U.S. Department of Defense | 35,549 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | RHEA SPACE ACTIVITY | FA8649-21-9-9004 | 12.RD | U.S. Department of Defense | 142,222 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | POLAR CLEAN, LLC | FA864921P1360-S001 | 12.RD | U.S. Department of Defense | 23,164 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | BCI SOLUTIONS, INC | FA864922P0095-PU-S001 | 12.RD | U.S. Department of Defense | 13,538 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | GLOBAL ENGINEERING & MATERIALS, INC | FFP-2021-PU-0324 | 12.RD | U.S. Department of Defense | 153,505 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | IN SPACE, LLC | INS-22002-1 | 12.RD | U.S. Department of Defense | 123,545 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | MRL MATERIALS RESOURCES LLC | MRL-22-0010 | 12.RD | U.S. Department of Defense | 45,810 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | LEIDOS | P010204872 | 12.RD | U.S. Department of Defense | 12 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | LEIDOS | P010234740 | 12.RD | U.S. Department of Defense | 227,836 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | LEIDOS | P010246279 | 12.RD | U.S. Department of Defense | 57,383 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|----------------------------|--------------|---|-----------------------|-------|----------------------------|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SCIENCE APPLICATIONS INTNL | P010250986 LINE 3 | 12.RD | U.S. Department of Defense | 5,070 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SCIENCE APPLICATIONS INTNL | P010254479 LINE 1,2,3 | 12.RD | U.S. Department of Defense | 74,298 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | LEIDOS | P010269653 | 12.RD | U.S. Department of Defense | 44,057 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | PALO ALTO RESEARCH CENTER | P315539 | 12.RD | U.S. Department of Defense | 67,631 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | PALO ALTO RESEARCH CENTER | P316829 | 12.RD | U.S. Department of Defense | 52,799 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | DEFENSE ENGINEERING CORP | PO 10312 | 12.RD | U.S. Department of Defense | 138,474 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | PERSPECTA LABS | PO-0021592 | 12.RD | U.S. Department of Defense | 840,344 | 273,681 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SCIENCE APPLICATIONS INTNL | PO10250986-LINE1 | 12.RD | U.S. Department of Defense | 11,086 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SCIENCE APPLICATIONS INTNL | PO10250986-LINE2 | 12.RD | U.S. Department of Defense | -106 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SRI INTERNATIONAL | PO51396 | 12.RD | U.S. Department of Defense | 565,176 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | AXNANO LLC | PURDUE-2 | 12.RD | U.S. Department of Defense | 22,467 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | MICHIGAN STATE UNIVERSITY | RC113206-PURDUE | 12.RD | U.S. Department of Defense | 16,073 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF DAYTON RESEARCH INSTITUTE | RSC19028 | 12.RD | U.S. Department of Defense | 432,888 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF DAYTON RESEARCH INSTITUTE | RSC20028 | 12.RD | U.S. Department of Defense | 653,255 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF DAYTON RESEARCH INSTITUTE | RSC21045 | 12.RD | U.S. Department of Defense | 52,598 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | APPLIED RESEARCH ASSOCIATES, INC | S-004528-02-PURDUE | 12.RD | U.S. Department of Defense | 259,707 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UES INC. | S-109-5P9-001 | 12.RD | U.S. Department of Defense | 3,032 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UES INC. | S-109-5Z6-001 | 12.RD | U.S. Department of Defense | 23,812 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UES INC. | S-111-051-002 | 12.RD | U.S. Department of Defense | 23,434 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UES INC. | S-114-006-010 | 12.RD | U.S. Department of Defense | 1,021 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | FREEDOM PHOTONICS, LLC. | S-7208 | 12.RD | U.S. Department of Defense | 216,804 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UES INC. | S-987-001-001 | 12.RD | U.S. Department of Defense | 166,186 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF IOWA | S02933-01 | 12.RD | U.S. Department of Defense | 29,583 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SURVICE ENGINEERING COMPANY | S19-095006 | 12.RD | U.S. Department of Defense | 33,057 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SPECTRAL ENERGIES, LLC | SB1814-001-1 | 12.RD | U.S. Department of Defense | 43,828 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SPECTRAL ENERGIES, LLC | SB1921-001-1 | 12.RD | U.S. Department of Defense | 137,764 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SPECTRAL ENERGIES, LLC | SB1921-003C-03 | 12.RD | U.S. Department of Defense | 1,705 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SPECTRAL ENERGIES, LLC | SB2003-001-1 | 12.RD | U.S. Department of Defense | 37,215 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SPECTRAL ENERGIES, LLC | SB2012-001-1 | 12.RD | U.S. Department of Defense | 87,431 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | INNOVATIVE SCIENTIFIC SOLUTIONS, INC. | SB20274 | 12.RD | U.S. Department of Defense | 29,247 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--|--------------|---|--------------------------|-----------------------|---|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SPECTRAL ENERGIES, LLC | SB2114-001-1 | 12.RD | U.S. Department of Defense | 30,707 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | SOAR TECHNOLOGY, INC | SC-21-015 | 12.RD | U.S. Department of Defense | 27,029 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | STEEL FOUNDERS SOCIETY OF AMER | SPI009 | 12.RD | U.S. Department of Defense | 139,817 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | BAE SYSTEMS ADVANCED TECHNOLOGIES, INC. | SUB NO. 1146893 | 12.RD | U.S. Department of Defense | 2,293 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | HONEYWELL INC. | SUB10193 | 12.RD | U.S. Department of Defense | 183,897 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | GALOIS, INC | SUBCONTRACT NO. 2019-012 | 12.RD | U.S. Department of Defense | 172,132 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00011570 | 12.RD | U.S. Department of Defense | 286,236 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | TORCH TECHNOLOGIES | T19S053-0339 | 12.RD | U.S. Department of Defense | -127 | 0 |
| Research and Development Cluster | U.S. Department of Defense | Pass-Through | TRITON SYSTEMS, INC | TSI-2708-21-20203271 | 12.RD | U.S. Department of Defense | 9,227 | 0 |
| | | | | | Total - 12.RD | | 17,421,978 | 1,108,503 |
| Research and Development Cluster | Total - U.S. Department of Defense | | | | | | 68,122,440 | 12,463,373 |
| Research and Development Cluster | Housing & Urban Development | Pass-Through | VIRGINIA TECH | 451625-19084 | 14.906 | Healthy Homes Technical Studies Grants | -17,356 | 0 |
| Research and Development Cluster | Total - Housing & Urban Development | | | | | | -17,356 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Direct | | | 15.246 | BLM CA Threatened and Endangered Species | 93,168 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Direct | | | 15.506 | Water Desalination Research and Development Program | 100,307 | 26,798 |
| Research and Development Cluster | U.S. Department of Interior | Pass-Through | IN DEPARTMENT OF NATURAL RESOURCES | CONTRACT #60805 | 15.605 | Sport Fish Restoration | 29,149 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Pass-Through | IN DEPARTMENT OF NATURAL RESOURCES | CONTRACT #27739 | 15.611 | Wildlife Restoration | 320,851 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Pass-Through | IN DEPARTMENT OF NATURAL RESOURCES | CONTRACT #47460 | 15.611 | Wildlife Restoration | 76,895 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Pass-Through | IN DEPARTMENT OF NATURAL RESOURCES | CONTRACT #48711 | 15.611 | Wildlife Restoration | 197,400 | 8,800 |
| Research and Development Cluster | U.S. Department of Interior | Pass-Through | IN DEPARTMENT OF NATURAL RESOURCES | CONTRACT NO 52496 | 15.611 | Wildlife Restoration | 16,119 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Pass-Through | IN DEPARTMENT OF NATURAL RESOURCES | GRANT #46038 | 15.611 | Wildlife Restoration | 46,918 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Pass-Through | TEXAS A&M AGRILIFE RESEARCH | M1901198 | 15.611 | Wildlife Restoration | 11,775 | 0 |
| | | | | | Total - 15.611 | | 669,758 | 8,800 |
| Research and Development Cluster | U.S. Department of Interior | Pass-Through | BALL STATE UNIVERSITY | 19100472 | 15.629 | Great Apes Conservation Fund | 3,181 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Pass-Through | TOLEDO ZOO AND AQUARIUM | 18112181 | 15.634 | State Wildlife Grants | 5,065 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Pass-Through | IN DEPARTMENT OF NATURAL RESOURCES | CONTRACT ID 23557 | 15.634 | State Wildlife Grants | 55,733 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Pass-Through | IN DEPARTMENT OF NATURAL RESOURCES | GRANT: 00035792 | 15.634 | State Wildlife Grants | 185,157 | 0 |
| | | | | | Total - 15.634 | | 245,955 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Direct | | | 15.678 | Cooperative Ecosystem Studies Units | 21,121 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Direct | | | 15.805 | Assistance to State Water Resources Research Institutes | 292,901 | 174,211 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--|--------------|---------------------------------|-------------------------|----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Interior | Direct | | | 15.808 | U.S. Geological Survey_ Research and Data Collection | 96,197 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Pass-Through | AMERICAVIEW INC | AV18-IN-01 | 15.815 | National Land Remote Sensing_Education Outreach and Research | 37,688 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Direct | | | 15.945 | Cooperative Research and Training Programs Resources of the National Park Syst | 23,498 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Direct | | 140G0220F0338 | 15.RD | U.S. Department of Interior | 16,926 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Direct | | 140G0221F0033 | 15.RD | U.S. Department of Interior | 7,035 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Direct | | 140G0320P0193 | 15.RD | U.S. Department of Interior | 6,309 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Direct | | 140G0320P0213 | 15.RD | U.S. Department of Interior | 10,308 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Direct | | 140R8121P0002 | 15.RD | U.S. Department of Interior | 16,043 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Direct | | 20123468 | 15.RD | U.S. Department of Interior | 3,350 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Direct | | DSC-21007 | 15.RD | U.S. Department of Interior | 8,314 | 0 |
| Research and Development Cluster | U.S. Department of Interior | Direct | | P103716-A106153 | 15.RD | U.S. Department of Interior | 477 | 0 |
| | | | | | Total - 15.RD | | 68,762 | 0 |
| Research and Development Cluster | Total - U.S. Department of Interior | | | | | | 1,681,685 | 209,809 |
| Research and Development Cluster | U.S. Department of Justice | Direct | | | 16.543 | Missing Children's Assistance | 116,475 | 0 |
| Research and Development Cluster | U.S. Department of Justice | Direct | | | 16.560 | National Institute of Justice Research, Evaluation, and Development Project Gran | 1,047,612 | 487,173 |
| Research and Development Cluster | U.S. Department of Justice | Direct | | | 16.752 | Economic, High-Tech, and Cyber Crime Prevention | 42,341 | 0 |
| Research and Development Cluster | Total - U.S. Department of Justice | | | | | | 1,206,428 | 487,173 |
| Research and Development Cluster | U.S. Department of Labor | Direct | | | 17.502 | Occupational Safety and Health_Susan Harwood Training Grants | 41,874 | 0 |
| Research and Development Cluster | Total - U.S. Department of Labor | | | | | | 41,874 | 0 |
| Research and Development Cluster | U.S. Department of State | Pass-Through | CRDF GLOBAL | G-202105-67839 | 19.878 | EUR-Other | 3,258 | 0 |
| Research and Development Cluster | U.S. Department of State | Pass-Through | THE HASHEMITE UNIVERSITY | 22057321 | 19.RD | U.S. Department of State | 24,785 | 0 |
| Research and Development Cluster | Total - U.S. Department of State | | | | | | 28,043 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Direct | | | 20.109 | Air Transportation Centers of Excellence | 988,497 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Direct | | | 20.200 | Highway Research & Development Program | 453,288 | 202,349 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | 20122893 | 20.200 | Highway Research & Development Program | 22,070 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | 2019-2020 APPROPRIATION | 20.200 | Highway Research & Development Program | 118,965 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | 2042 | 20.200 | Highway Research & Development Program | 4,574 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | 21090504 | 20.200 | Highway Research & Development Program | 116,553 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | 21101963 | 20.200 | Highway Research & Development Program | 65,000 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | 22101424 | 20.200 | Highway Research & Development Program | 20,030 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|-----------------------------------|--------------|---------------------------------|-----------------------|--------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | EDS# A249-20-ON200001 | 20.200 | Highway Research & Development Program | 166,716 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-2352/4345 | 20.200 | Highway Research & Development Program | 77,935 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-3727 | 20.200 | Highway Research & Development Program | 498,721 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-3914 | 20.200 | Highway Research & Development Program | 812 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4009 | 20.200 | Highway Research & Development Program | 1 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4102 | 20.200 | Highway Research & Development Program | 453 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4153 | 20.200 | Highway Research & Development Program | 9,327 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4212 | 20.200 | Highway Research & Development Program | -3 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4215 | 20.200 | Highway Research & Development Program | 16 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4225 | 20.200 | Highway Research & Development Program | 27,151 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4234 | 20.200 | Highway Research & Development Program | 45,295 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4251 | 20.200 | Highway Research & Development Program | 484,980 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4252 | 20.200 | Highway Research & Development Program | 81,556 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4309 | 20.200 | Highway Research & Development Program | 19,612 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4314 | 20.200 | Highway Research & Development Program | 1,118 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4315 | 20.200 | Highway Research & Development Program | -205 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4322 | 20.200 | Highway Research & Development Program | 44,217 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4325 | 20.200 | Highway Research & Development Program | 82,617 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4326 | 20.200 | Highway Research & Development Program | 28,510 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4327 | 20.200 | Highway Research & Development Program | 56,150 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4329 | 20.200 | Highway Research & Development Program | 92,386 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4332 | 20.200 | Highway Research & Development Program | 3,020 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4334 | 20.200 | Highway Research & Development Program | 33,313 | 12,640 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4335 | 20.200 | Highway Research & Development Program | -2,300 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4336 | 20.200 | Highway Research & Development Program | 42,444 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4350 | 20.200 | Highway Research & Development Program | 25,310 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4351 | 20.200 | Highway Research & Development Program | 9,719 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4404 | 20.200 | Highway Research & Development Program | -6,835 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4406 | 20.200 | Highway Research & Development Program | 57,792 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4407 | 20.200 | Highway Research & Development Program | 92,786 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|-----------------------------------|--------------|---------------------------------|------------------|--------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4413 | 20.200 | Highway Research & Development Program | 68,092 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4414 | 20.200 | Highway Research & Development Program | 70,738 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4415 | 20.200 | Highway Research & Development Program | 39,260 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4418 | 20.200 | Highway Research & Development Program | 77,686 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4419 | 20.200 | Highway Research & Development Program | 16,424 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4420 | 20.200 | Highway Research & Development Program | 51,364 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4421 | 20.200 | Highway Research & Development Program | 16,983 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4423 | 20.200 | Highway Research & Development Program | 17,666 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4429 | 20.200 | Highway Research & Development Program | 20,701 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4430 | 20.200 | Highway Research & Development Program | 49,245 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4431 | 20.200 | Highway Research & Development Program | 38,611 | 38,611 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4432 | 20.200 | Highway Research & Development Program | 50,174 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4433 | 20.200 | Highway Research & Development Program | 45,715 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4436 | 20.200 | Highway Research & Development Program | 76,483 | 76,483 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4437 | 20.200 | Highway Research & Development Program | 26,928 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4438 | 20.200 | Highway Research & Development Program | 54,627 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4439 | 20.200 | Highway Research & Development Program | 73,105 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4440 | 20.200 | Highway Research & Development Program | 120,850 | 48,918 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4442 | 20.200 | Highway Research & Development Program | 32,466 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4443 | 20.200 | Highway Research & Development Program | 67,011 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4445 | 20.200 | Highway Research & Development Program | 418,953 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4446 | 20.200 | Highway Research & Development Program | -190 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4447 | 20.200 | Highway Research & Development Program | 58,316 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4449 | 20.200 | Highway Research & Development Program | 3,083 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4450 | 20.200 | Highway Research & Development Program | 63,567 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4451 | 20.200 | Highway Research & Development Program | 71,254 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4452 | 20.200 | Highway Research & Development Program | 51,872 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4502 | 20.200 | Highway Research & Development Program | 57,002 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4508 | 20.200 | Highway Research & Development Program | 85,675 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4509 | 20.200 | Highway Research & Development Program | 173,497 | 49,951 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|-----------------------------------|--------------|---------------------------------|------------------|--------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4511 | 20.200 | Highway Research & Development Program | 32,855 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4512 | 20.200 | Highway Research & Development Program | 83,828 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4513 | 20.200 | Highway Research & Development Program | 97,132 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4514 | 20.200 | Highway Research & Development Program | 131,847 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4516 | 20.200 | Highway Research & Development Program | 38,003 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4518 | 20.200 | Highway Research & Development Program | 93,473 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4521 | 20.200 | Highway Research & Development Program | 142,804 | 42,498 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4522 | 20.200 | Highway Research & Development Program | 24,009 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4523 | 20.200 | Highway Research & Development Program | 51,318 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4524 | 20.200 | Highway Research & Development Program | 52,429 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4526 | 20.200 | Highway Research & Development Program | 105,235 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4527 | 20.200 | Highway Research & Development Program | 127,991 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4532 | 20.200 | Highway Research & Development Program | 59,899 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4535 | 20.200 | Highway Research & Development Program | 39,920 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4536 | 20.200 | Highway Research & Development Program | 175,382 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4537 | 20.200 | Highway Research & Development Program | 65,473 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4540 | 20.200 | Highway Research & Development Program | 43,906 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4541 | 20.200 | Highway Research & Development Program | 150,209 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4542 | 20.200 | Highway Research & Development Program | 86,008 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4545 | 20.200 | Highway Research & Development Program | 82,200 | 82,200 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4546 | 20.200 | Highway Research & Development Program | 25,830 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4547 | 20.200 | Highway Research & Development Program | 53,142 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4548 | 20.200 | Highway Research & Development Program | 3,944 | 3,944 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4549 | 20.200 | Highway Research & Development Program | 105,716 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4600 | 20.200 | Highway Research & Development Program | 76,532 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4601 | 20.200 | Highway Research & Development Program | 56,272 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4603 | 20.200 | Highway Research & Development Program | 55,630 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4605 | 20.200 | Highway Research & Development Program | 26,588 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4606 | 20.200 | Highway Research & Development Program | 99,279 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4607 | 20.200 | Highway Research & Development Program | 164,126 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|-----------------------------------|--------------|---------------------------------|------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4608 | 20.200 | Highway Research & Development Program | 58,596 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4609 | 20.200 | Highway Research & Development Program | 38,897 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4610 | 20.200 | Highway Research & Development Program | 28,584 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4615 | 20.200 | Highway Research & Development Program | 83,062 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4616 | 20.200 | Highway Research & Development Program | 4,672 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4620 | 20.200 | Highway Research & Development Program | 6,501 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4622 | 20.200 | Highway Research & Development Program | 30,470 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4623 | 20.200 | Highway Research & Development Program | 21,267 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4625 | 20.200 | Highway Research & Development Program | 8,797 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4628 | 20.200 | Highway Research & Development Program | 22,949 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4629 | 20.200 | Highway Research & Development Program | 132,459 | 48,614 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4630 | 20.200 | Highway Research & Development Program | 28,943 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4631 | 20.200 | Highway Research & Development Program | 69,567 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4632 | 20.200 | Highway Research & Development Program | 22,297 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4634 | 20.200 | Highway Research & Development Program | 29,174 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4635 | 20.200 | Highway Research & Development Program | 44,991 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4636 | 20.200 | Highway Research & Development Program | 30,280 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4637 | 20.200 | Highway Research & Development Program | 77,479 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4638 | 20.200 | Highway Research & Development Program | 24,266 | 24,266 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4639 | 20.200 | Highway Research & Development Program | 19,658 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4640 | 20.200 | Highway Research & Development Program | 27,814 | 2,582 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4646 | 20.200 | Highway Research & Development Program | 16,484 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4651 | 20.200 | Highway Research & Development Program | 42,617 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | SPR-4652 | 20.200 | Highway Research & Development Program | 40,182 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | TPF-5 (471) | 20.200 | Highway Research & Development Program | 10,444 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | TPF-5(281) | 20.200 | Highway Research & Development Program | 191,483 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | TPF-5(377) | 20.200 | Highway Research & Development Program | 190,488 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | TPF-5(387) | 20.200 | Highway Research & Development Program | 124,144 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN DEPARTMENT OF TRANSPORTATION | TPF-5(436) | 20.200 | Highway Research & Development Program | 159,915 | 0 |
| | | | | | Total - 20.200 | | 8,707,712 | 633,056 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--|--------------|---|-----------------------|-----------------------|---|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Transportation | Direct | | | 20.205 | Highway Planning and Construction | 8,671 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | UNIVERSITY OF MARYLAND | 108765-Z9815203 | 20.205 | Highway Planning and Construction | 12,052 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | NEVADA DEPT OF TRANSPORTATION | P302-19-803 | 20.205 | Highway Planning and Construction | 57,958 | 0 |
| | | | | | Total - 20.205 | | 78,681 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN CRIMINAL JUSTICE INSTITUTE | 56882 | 20.600 | State and Community Highway Safety | 291,487 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN CRIMINAL JUSTICE INSTITUTE | CONTRACT #48906 | 20.600 | State and Community Highway Safety | 112,847 | 0 |
| | | | | | Total - 20.600 | | 404,334 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN CRIMINAL JUSTICE INSTITUTE | CONTRACT #00061557 | 20.616 | National Priority Safety Program | 117,830 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | IN CRIMINAL JUSTICE INSTITUTE | CONTRACT #55251 | 20.616 | National Priority Safety Program | 75,282 | 0 |
| | | | | | Total - 20.616 | | 193,112 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | UNIVERSITY OF MICHIGAN | 3004631368 | 20.701 | University Transportation Centers Program | 991,573 | 371,448 |
| Research and Development Cluster | U.S. Department of Transportation | Direct | | 693JJ321C000034 | 20.RD | U.S. Department of Transportation | 42,381 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Direct | | 693JJ620C000032 | 20.RD | U.S. Department of Transportation | 119,968 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Direct | | DOT-DESIGN_2021 | 20.RD | U.S. Department of Transportation | 5,316 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Direct | | DTFAC-13-D-00010-0004 | 20.RD | U.S. Department of Transportation | -26,711 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Direct | | SUB0001608 | 20.RD | U.S. Department of Transportation | 66,525 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | CAMBRIDGE SYSTEMATICS INC | 160140.029 | 20.RD | U.S. Department of Transportation | 15,251 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | OLD DOMINION UNIV RESEARCH FDN | 20111970 | 20.RD | U.S. Department of Transportation | 916 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | OLD DOMINION UNIV RESEARCH FDN | 21-164-400204-010 | 20.RD | U.S. Department of Transportation | 25,753 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | OLD DOMINION UNIVERSITY | 21-174-400204-010 | 20.RD | U.S. Department of Transportation | 13,916 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | INTERVISTAS CONSULTING, INC | 21090407 | 20.RD | U.S. Department of Transportation | 66,680 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | STATE OF SOUTH CAROLINA | 4400022446 | 20.RD | U.S. Department of Transportation | 49,660 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | UNIVERSITY OF MARYLAND | 80924-Z9415201 | 20.RD | U.S. Department of Transportation | 5,325 | 0 |
| Research and Development Cluster | U.S. Department of Transportation | Pass-Through | NATIONAL ACADEMY OF SCIENCES | ACRP A03-62 | 20.RD | U.S. Department of Transportation | 202,526 | 64,461 |
| | | | | | Total - 20.RD | | 587,506 | 64,461 |
| Research and Development Cluster | Total - U.S. Department of Transportation | | | | | | 11,951,415 | 1,068,965 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | | 43.001 | Science | 3,030,905 | 559,382 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | UNIVERSITIES SPACE RESEARCH ASSOCIATION | 02299-01 | 43.001 | Science | 38,764 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | NORTHERN ARIZONA UNIVERSITY | 1004540-01 | 43.001 | Science | 2,897 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | UNIVERSITY OF COLORADO AT BOULDER | 1555205 | 43.001 | Science | 15,240 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|---|--------------|---------------------------------------|-------------------------|-----------------------|---|----------------------|---------------------------|
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | PLANETARY SCIENCE INSTITUTE | 1612-PU | 43.001 | Science | 44,328 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | JET PROPULSION LABORATORY | 1657892 | 43.001 | Science | 18,235 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | JET PROPULSION LABORATORY | 1681089 | 43.001 | Science | 22,639 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | UNIVERSITY OF CENTRAL FLORIDA | 66016A16 | 43.001 | Science | 59,352 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | UNIVERSITY OF ALABAMA | A20-0041-S001 | 43.001 | Science | 14,436 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | UNIVERSITY OF MISSOURI-COLUMBIA | C00077406-1 | 43.001 | Science | 72,955 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | SMITHSONIAN ASTROPHYSICAL OBSERVATORY | GOO-21089X | 43.001 | Science | 12,046 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | TEXAS A&M UNIVERSITY | M1900178 | 43.001 | Science | 60,213 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | UNIVERSITY OF CALIFORNIA-RIVERSIDE | S-001435 | 43.001 | Science | 83,737 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | S5011 | 43.001 | Science | 19,963 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | UNIVERSITY OF TEXAS AT AUSTIN | UTA22-000021 | 43.001 | Science | 2,768 | 0 |
| | | | | | Total - 43.001 | | 3,498,478 | 559,382 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | | 43.002 | Aeronautics | 419,444 | 124,238 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | NORTH CAROLINA A & T UNIVERSITY | 220072B | 43.002 | Aeronautics | 420,262 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | 5710003954 | 43.002 | Aeronautics | 16,373 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | GEORGIA INSTITUTE OF TECHNOLOGY | AWD-100719-G2 | 43.002 | Aeronautics | 1,431 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | UNIVERSITY OF TEXAS AT AUSTIN | UTA21-000384 | 43.002 | Aeronautics | 118,147 | 0 |
| | | | | | Total - 43.002 | | 975,657 | 124,238 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | | 43.003 | Exploration | 30,948 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | | 43.007 | Space Operations | 240,333 | 26,219 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | NATIONAL INSTITUTE OF AEROSPACE | C20-202023-PU | 43.008 | Education | -4,207 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | | 43.012 | Space Technology | 4,335,635 | 1,160,397 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | UNIVERSITY OF PUERTO RICO - SAN JUAN | 2021-000053 | 43.012 | Space Technology | -2,705 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | RENSSELAER POLYTECHNIC INSTITUTE | A20-0091-S001 | 43.012 | Space Technology | -852 | 0 |
| | | | | | Total - 43.012 | | 4,332,078 | 1,160,397 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | 1547388 | 43.RD | National Aeronautics & Space Administration | 68,596 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | 164329 | 43.RD | National Aeronautics & Space Administration | 34,069 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | 169181 | 43.RD | National Aeronautics & Space Administration | 201,999 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | 2021-193-ST SOW 7110-01 | 43.RD | National Aeronautics & Space Administration | 24,290 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | 21078753 | 43.RD | National Aeronautics & Space Administration | 43,349 | 0 |

* denotes major programs

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|---|--------------|--|-------------------------|-------|---|----------------------|---------------------------|
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | 80GRC018C0055 | 43.RD | National Aeronautics & Space Administration | 109,457 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | 80NSSC21K1719 | 43.RD | National Aeronautics & Space Administration | 78,864 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | 80NSSC22P0200 | 43.RD | National Aeronautics & Space Administration | 25,202 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | HST-AR-16154.003-A | 43.RD | National Aeronautics & Space Administration | 19,936 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | HST-GO-15995.005-A | 43.RD | National Aeronautics & Space Administration | 23,374 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Direct | | HST-GO-16165.008-A | 43.RD | National Aeronautics & Space Administration | 5,978 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | SOFTINWAY INC | 1422-03-SA1 | 43.RD | National Aeronautics & Space Administration | 94,124 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | ARIZONA STATE UNIVERSITY | 15-704 | 43.RD | National Aeronautics & Space Administration | 110,748 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS | 165830 | 43.RD | National Aeronautics & Space Administration | -212 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | JET PROPULSION LABORATORY | 1670452 | 43.RD | National Aeronautics & Space Administration | 37,512 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | P. C. KRAUSE AND ASSOCIATES, INC. | 18122509 | 43.RD | National Aeronautics & Space Administration | 2 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | VESTIGO AEROSPACE | 20089549 | 43.RD | National Aeronautics & Space Administration | 64,111 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | ANALYSWIFT LLC | 20090595 | 43.RD | National Aeronautics & Space Administration | 5,526 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | AIR SQUARED | 20122783 | 43.RD | National Aeronautics & Space Administration | -11 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | ROBUST ANALYTICS | 20122881 | 43.RD | National Aeronautics & Space Administration | 79,724 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | MUDAWAR THERMAL SYSTEMS | 21068216 | 43.RD | National Aeronautics & Space Administration | 26,781 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | INTELLIGENT AUTOMATION INC | 2282-1 | 43.RD | National Aeronautics & Space Administration | 46,030 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | UNIVERSITY OF MICHIGAN | 3002485426 | 43.RD | National Aeronautics & Space Administration | 13,451 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | OLD DOMINION UNIV RESEARCH FDN | ACRP 11-04 2020 | 43.RD | National Aeronautics & Space Administration | 3,000 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | ARIZONA STATE UNIVERSITY | ASUB00000621 | 43.RD | National Aeronautics & Space Administration | 60,989 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | FRONTIER AEROSPACE CORPORATION | FAD000744 | 43.RD | National Aeronautics & Space Administration | 112,705 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | IN SPACE, LLC | INS-41703-1 | 43.RD | National Aeronautics & Space Administration | -15,231 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | FREEDOM PHOTONICS, LLC. | S-7210-PURDUE | 43.RD | National Aeronautics & Space Administration | 42,167 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | SPECTRAL ENERGIES, LLC | SB2102-001-1 | 43.RD | National Aeronautics & Space Administration | 253,540 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | SETI INSTITUTE | SC 3447 | 43.RD | National Aeronautics & Space Administration | 18,431 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | PHYSICAL SCIENCES, INC | SC-7378-059-4171-001 | 43.RD | National Aeronautics & Space Administration | 39,332 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | JET PROPULSION LABORATORY | SUBCONTRACT NO. 1667032 | 43.RD | National Aeronautics & Space Administration | 19,635 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00015917 | 43.RD | National Aeronautics & Space Administration | 103,620 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | NATIONAL INSTITUTE OF AEROSPACE | T16-6500-PU TO 602022 | 43.RD | National Aeronautics & Space Administration | 138,195 | 0 |
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | ANALYTICAL MECHANICS ASSOC, INC | T3-0583-FY21 | 43.RD | National Aeronautics & Space Administration | 17,406 | 0 |

* denotes major programs

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|---|--------------|---------------------------------------|-------------------|----------------------|---|----------------------|---------------------------|
| Research and Development Cluster | National Aeronautics & Space Administration | Pass-Through | ANALYTICAL MECHANICS ASSOC, INC | TEAMS3-PURDUE | 43.RD | National Aeronautics & Space Administration | 1,394 | 0 |
| | | | | | Total - 43.RD | | 1,908,083 | 0 |
| Research and Development Cluster | Total - National Aeronautics & Space Administration | | | | | | 10,981,370 | 1,870,236 |
| Research and Development Cluster | National Endowment for the Arts & Humanities | Pass-Through | INDIANA HUMANITIES | 20-2006 | 45.129 | Promotion of the Humanities_Federal/State Partnership | 4,973 | 0 |
| Research and Development Cluster | National Endowment for the Arts & Humanities | Direct | | | 45.149 | Promotion of the Humanities_Division of Preservation and Access | 15,523 | 0 |
| Research and Development Cluster | National Endowment for the Arts & Humanities | Direct | | | 45.313 | Laura Bush 21st Century Librarian Program | 54,794 | 0 |
| Research and Development Cluster | Total - National Endowment for the Arts & Humanities | | | | | | 75,290 | 0 |
| Research and Development Cluster | National Science Foundation | Direct | | | 47.041 | Engineering Grants | 24,899,472 | 6,565,626 |
| Research and Development Cluster | National Science Foundation | Pass-Through | AMERICAN UNIVERSITY | 31663-A220027-S14 | 47.041 | Engineering Grants | 15,063 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF NOTRE DAME | 204143PU | 47.041 | Engineering Grants | 8,907 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | AUBURN UNIVERSITY | 17-ENG-200641-PU | 47.041 | Engineering Grants | 57,430 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | CROSSLIFE TECHNOLOGIES INC | 17066873 | 47.041 | Engineering Grants | 892 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | NUTRAMAIZE | 19089464 | 47.041 | Engineering Grants | 56,794 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | QCML LABS, LLC | 20090076 | 47.041 | Engineering Grants | 108,268 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | KAMPANICS, LLC | 2014804 | 47.041 | Engineering Grants | -117 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | NORTH CAROLINA STATE UNIVERSITY | 2019-0901-01 | 47.041 | Engineering Grants | 41,141 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UTAH STATE UNIVERSITY | 203085-731 | 47.041 | Engineering Grants | 950,929 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | RCAM TECHNOLOGIES | 21057784 | 47.041 | Engineering Grants | 70,753 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF SOUTH FLORIDA | 2106-1331-00-A | 47.041 | Engineering Grants | 92,685 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | ERADIVIR, INC | 21079084 | 47.041 | Engineering Grants | 45,836 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | ZS SYSTEMS, LLC | 21090636 | 47.041 | Engineering Grants | 8,122 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF MICHIGAN | 3004362735 | 47.041 | Engineering Grants | 416,523 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | VIRGINIA TECH | 480081-19084 | 47.041 | Engineering Grants | 81,102 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF PENNSYLVANIA | 580247 | 47.041 | Engineering Grants | 564,580 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | AMERICAN SOCIETY FOR ENGINEERING EDUC | 769-2055 | 47.041 | Engineering Grants | 93,406 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | INDIANA UNIVERSITY | 8945-PU | 47.041 | Engineering Grants | 6,511 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | RENSSELAER POLYTECHNIC INSTITUTE | A21-0044-S-001 | 47.041 | Engineering Grants | 20,262 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | ARIZONA STATE UNIVERSITY | ASUB00000557 | 47.041 | Engineering Grants | 21,448 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | VALGOTECH LLC | NSF-21057822-02 | 47.041 | Engineering Grants | 80,747 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF BUFFALO | R1294352 | 47.041 | Engineering Grants | 15,151 | 0 |

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|-----------------------------|--------------|--|------------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | National Science Foundation | Pass-Through | CALIFORNIA STATE UNIVERSITY FRESNO | SC360453-18-01 | 47.041 | Engineering Grants | 56,305 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00012978 | 47.041 | Engineering Grants | 168,391 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00015196 | 47.041 | Engineering Grants | 46,068 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF DELAWARE | UDR0000163 | 47.041 | Engineering Grants | 368 | 0 |
| | | | | | Total - 47.041 | | 27,927,037 | 6,565,626 |
| Research and Development Cluster | National Science Foundation | Direct | | | 47.049 | Mathematical and Physical Sciences | 11,213,255 | 133,732 |
| Research and Development Cluster | National Science Foundation | Pass-Through | COMPUTING RESEARCH ASSOCIATION | 2021CIF-PURDUE-13 | 47.049 | Mathematical and Physical Sciences | 106,244 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | CARNEGIE-MELLON UNIVERSITY | 1123266-388661 | 47.049 | Mathematical and Physical Sciences | 19,970 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF MASSACHUSETTS | 21-015990-A-00 | 47.049 | Mathematical and Physical Sciences | 5,024 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF NOTRE DAME | 21123515 | 47.049 | Mathematical and Physical Sciences | 3,249 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF NEBRASKA-LINCOLN | 25-0521-0244-013 | 47.049 | Mathematical and Physical Sciences | 231,425 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | DUKE UNIVERSITY | 333-2726 | 47.049 | Mathematical and Physical Sciences | 2,492 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | NORTHEASTERN UNIVERSITY | 512070-78050 | 47.049 | Mathematical and Physical Sciences | 3,739 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | CORNELL UNIVERSITY | 79433-20682 | 47.049 | Mathematical and Physical Sciences | 3,337 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | ARIZONA STATE UNIVERSITY | ASUB00000730 | 47.049 | Mathematical and Physical Sciences | 63,209 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | YALE UNIVERSITY | CON-80003109(GR113508) | 47.049 | Mathematical and Physical Sciences | 70,784 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | PRINCETON UNIVERSITY | SUB0000181 | 47.049 | Mathematical and Physical Sciences | 558,771 | 0 |
| | | | | | Total - 47.049 | | 12,281,499 | 133,732 |
| Research and Development Cluster | National Science Foundation | Direct | | | 47.050 | Geosciences | 3,174,619 | 24,760 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIV OF ILLINOIS AT CHAMPAIGN-URBANA | 072212-14701 | 47.050 | Geosciences | 11,631 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | VIRGINIA TECH | 480773-19084 | 47.050 | Geosciences | 9,788 | 0 |
| | | | | | Total - 47.050 | | 3,196,038 | 24,760 |
| Research and Development Cluster | National Science Foundation | Direct | | | 47.070 | Computer and Information Science and Engineering | 26,123,126 | 1,015,833 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF WASHINGTON | UWSC13244 | 47.070 | Computer and Information Science and Engineering | 87,862 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIV OF ILLINOIS AT CHAMPAIGN-URBANA | 083842-16071 | 47.070 | Computer and Information Science and Engineering | 239,855 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIV OF ILLINOIS AT CHAMPAIGN-URBANA | 106203-18636 | 47.070 | Computer and Information Science and Engineering | 132,208 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | OHIO STATE UNIVERSITY | 1839252 | 47.070 | Computer and Information Science and Engineering | 1,004 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | THE KRELL INSTITUTE | 2154495-03 | 47.070 | Computer and Information Science and Engineering | 2,224 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | MOLECULAR SCIENCES SOFTWARE INST | 479590-19084 | 47.070 | Computer and Information Science and Engineering | 52,895 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | VIRGINIA POLYTECHNIC INST & STATE UNIV | 480299-19084 | 47.070 | Computer and Information Science and Engineering | 57,076 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|-----------------------------|--------------|---------------------------------------|--------------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | National Science Foundation | Pass-Through | NORTHWESTERN UNIVERSITY | 60054249 PURDUE | 47.070 | Computer and Information Science and Engineering | 3,989 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF CALIFORNIA - SAN DIEGO | 78283280-011 | 47.070 | Computer and Information Science and Engineering | 91,265 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF MINNESOTA | A006581302 | 47.070 | Computer and Information Science and Engineering | 43,841 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF CALIFORNIA - SANTA CRUZ | A21-0568-S002 P0756393 | 47.070 | Computer and Information Science and Engineering | 40,425 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | COMPUTING RESEARCH ASSOCIATION | CNS2123180-CRA-PURDUE | 47.070 | Computer and Information Science and Engineering | 16,917 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | GEORGE MASON UNIVERSITY | E2043283 | 47.070 | Computer and Information Science and Engineering | 4,278 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF TOLEDO | F-2020-11 | 47.070 | Computer and Information Science and Engineering | 945 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | OHIO STATE UNIVERSITY | SPC1000005450/GR124626 | 47.070 | Computer and Information Science and Engineering | 171,311 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00014127 | 47.070 | Computer and Information Science and Engineering | 51,492 | 0 |
| | | | | | Total - 47.070 | | 27,120,713 | 1,015,833 |
| Research and Development Cluster | National Science Foundation | Direct | | | 47.074 | Biological Sciences | 6,296,733 | 557,921 |
| Research and Development Cluster | National Science Foundation | Pass-Through | SPIRROW THERAPEUTICS LLC | 20101411 | 47.074 | Biological Sciences | 32,248 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF UTAH | 10040050-01 | 47.074 | Biological Sciences | 4,652 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | NORTH CAROLINA A & T UNIVERSITY | 260386A | 47.074 | Biological Sciences | 20,025 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | COLD SPRING HARBOR LABORATORY | 52670216 | 47.074 | Biological Sciences | 89,523 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF ARIZONA | 646436 | 47.074 | Biological Sciences | 27,681 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | CARNEGIE INSTITUTE OF PA | S01-2101926 | 47.074 | Biological Sciences | 12,501 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF FLORIDA | SUB00002485 | 47.074 | Biological Sciences | 19,864 | 0 |
| | | | | | Total - 47.074 | | 6,503,227 | 557,921 |
| Research and Development Cluster | National Science Foundation | Direct | | | 47.075 | Social, Behavioral, and Economic Sciences | 1,228,895 | 167,324 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF NEBRASKA | 25-6238-0905-004 | 47.075 | Social, Behavioral, and Economic Sciences | 4,891 | 0 |
| | | | | | Total - 47.075 | | 1,233,786 | 167,324 |
| Research and Development Cluster | National Science Foundation | Direct | | | 47.076 | Education and Human Resources | 8,679,071 | 261,231 |
| Research and Development Cluster | National Science Foundation | Pass-Through | VIRGINIA TECH | NTP-22090388 | 47.076 | Education and Human Resources | 9,906 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF NOTRE DAME | 22090588 | 47.076 | Education and Human Resources | 211 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF ILLINOIS AT CHICAGO | 17765 | 47.076 | Education and Human Resources | 18,382 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | PASADENA CITY COLLEGE | 2000281PURDUE-PACCD B210 | 47.076 | Education and Human Resources | 38,471 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | INSTITUTE FOR FUTURE INTELLIGENCE | 2131097 | 47.076 | Education and Human Resources | 105,499 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | THE CONCORD CONSORTIUM INC | 299-01 | 47.076 | Education and Human Resources | 27,980 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF MONTANA | PG20-66254-01 | 47.076 | Education and Human Resources | 68,405 | 0 |

* denotes major programs

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--|--------------|--------------------------------------|-------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | National Science Foundation | Pass-Through | SINCLAIR COMMUNITY COLLEGE | SCC-1700531 | 47.076 | Education and Human Resources | 2,576 | 0 |
| | | | | | Total - 47.076 | | 8,950,501 | 261,231 |
| Research and Development Cluster | National Science Foundation | Direct | | | 47.078 | Polar Programs | 207,857 | 0 |
| Research and Development Cluster | National Science Foundation | Direct | | | 47.079 | International Science and Engineering (OISE) | 408,479 | 14,443 |
| Research and Development Cluster | National Science Foundation | Pass-Through | ARIZONA STATE UNIVERSITY | ASUB00000616 | 47.079 | International Science and Engineering (OISE) | 16,758 | 0 |
| | | | | | Total - 47.079 | | 425,237 | 14,443 |
| Research and Development Cluster | National Science Foundation | Direct | | | 47.083 | Office of Integrative Activities | 95,099 | 62,517 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF CINCINNATI | 013204-002 | 47.083 | Office of Integrative Activities | 67,835 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIV OF ILLINOIS AT CHAMPAIGN-URBANA | 097434-17672 | 47.083 | Office of Integrative Activities | -8 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF WYOMING | 20101048 | 47.083 | Office of Integrative Activities | 8,516 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | UNIVERSITY OF ARIZONA | 642009 | 47.083 | Office of Integrative Activities | 9,592 | 0 |
| | | | | | Total - 47.083 | | 181,034 | 62,517 |
| Research and Development Cluster | National Science Foundation | Direct | | | 47.084 | NSF Technology, Innovation and Partnerships | 16,985 | 0 |
| Research and Development Cluster | National Science Foundation | Direct | | 1946683 | 47.RD | National Science Foundation | 31,727 | 0 |
| Research and Development Cluster | National Science Foundation | Direct | | 20035832 | 47.RD | National Science Foundation | 1,186 | 0 |
| Research and Development Cluster | National Science Foundation | Direct | | 2052860 | 47.RD | National Science Foundation | 36,079 | 0 |
| Research and Development Cluster | National Science Foundation | Direct | | 2052860-CHE | 47.RD | National Science Foundation | 214,536 | 0 |
| Research and Development Cluster | National Science Foundation | Direct | | 2053097 | 47.RD | National Science Foundation | 227,856 | 0 |
| Research and Development Cluster | National Science Foundation | Direct | | 21035873 | 47.RD | National Science Foundation | 40,051 | 0 |
| Research and Development Cluster | National Science Foundation | Direct | | 21036089 | 47.RD | National Science Foundation | 37,548 | 0 |
| Research and Development Cluster | National Science Foundation | Direct | | 21080194 | 47.RD | National Science Foundation | 428 | 0 |
| Research and Development Cluster | National Science Foundation | Direct | | 2140612-IIS | 47.RD | National Science Foundation | 219,868 | 0 |
| Research and Development Cluster | National Science Foundation | Direct | | 2217255 | 47.RD | National Science Foundation | 75,290 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | AMER INST OF MATHEMATICS | 20024947 | 47.RD | National Science Foundation | 10,000 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | COMPUTING RESEARCH ASSOCIATION | 2021CIF-PURDUE-12 | 47.RD | National Science Foundation | 89,577 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | OMNIVIS | 21057449 | 47.RD | National Science Foundation | 40,243 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | CENTER FOR BIOANALYTIC METROLOGY | 307915PU | 47.RD | National Science Foundation | 48,247 | 0 |
| Research and Development Cluster | National Science Foundation | Pass-Through | CENTER FOR BIOANALYTIC METROLOGY | 307915PU-LINNES | 47.RD | National Science Foundation | 26,577 | 0 |
| | | | | | Total - 47.RD | | 1,099,213 | 0 |
| Research and Development Cluster | Total - National Science Foundation | | | | | | 89,143,127 | 8,803,387 |

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--|--------------|---------------------------------------|--------------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | Small Business Administration | Pass-Through | IN ECONOMIC DEVELOPMENT CORPORATION | 21068307 | 59.037 | Small Business Development Center | 130,128 | 0 |
| Research and Development Cluster | Small Business Administration | Pass-Through | IN ECONOMIC DEVELOPMENT CORPORATION | A229-2-SBA-1070 | 59.037 | Small Business Development Center | 120,771 | 0 |
| Research and Development Cluster | Small Business Administration | Pass-Through | IN ECONOMIC DEVELOPMENT CORPORATION | CARES ACTA229-1-SBA-1039 | 59.037 | Small Business Development Center | 41,115 | 0 |
| | | | | | Total - 59.037 | | 292,014 | 0 |
| Research and Development Cluster | Total - Small Business Administration | | | | | | 292,014 | 0 |
| Research and Development Cluster | Department of Veterans Affairs | Direct | | | 64.009 | Veterans Medical Care Benefits | 42,444 | 0 |
| Research and Development Cluster | Department of Veterans Affairs | Direct | | 21123617 | 64.RD | Department of Veteran's Affairs | 14,742 | 0 |
| Research and Development Cluster | Department of Veterans Affairs | Direct | | 583-D25030 | 64.RD | Department of Veteran's Affairs | 12,433 | 0 |
| Research and Development Cluster | Department of Veterans Affairs | Direct | | 583D15090 | 64.RD | Department of Veteran's Affairs | 3,719 | 0 |
| | | | | | Total - 64.RD | | 30,894 | 0 |
| Research and Development Cluster | Total - Department of Veterans Affairs | | | | | | 73,338 | 0 |
| Research and Development Cluster | Environmental Protection Agency | Direct | | | 66.034 | Surveys, Studies, Investigations, Demonstrations and Special Purpose Activities | 1,261 | 0 |
| Research and Development Cluster | Environmental Protection Agency | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | CONTRACT #42559 | 66.436 | Surveys, Studies, Investigations, Demonstrations, and Training Grants and Cooper | 39,153 | 0 |
| Research and Development Cluster | Environmental Protection Agency | Pass-Through | IN DEPARTMENT OF ENVIRONMENTAL MGMT | CONTRACT# 19146 | 66.460 | Nonpoint Source Implementation Grants | 81,395 | 0 |
| Research and Development Cluster | Environmental Protection Agency | Pass-Through | MICHIGAN DEPT OF NATURAL RESOURCES | FISH112020-1 | 66.469 | Great Lakes Program | 92,048 | 0 |
| Research and Development Cluster | Environmental Protection Agency | Direct | | | 66.509 | Science To Achieve Results (STAR) Research Program | 529,985 | 269,246 |
| Research and Development Cluster | Environmental Protection Agency | Pass-Through | NEW YORK UNIVERSITY | F1842-01 | 66.509 | Science To Achieve Results (STAR) Research Program | 80,398 | 0 |
| | | | | | Total - 66.509 | | 610,383 | 269,246 |
| Research and Development Cluster | Environmental Protection Agency | Direct | | | 66.511 | Office of Research and Development Consolidated Research/Training | 651,977 | 364,093 |
| Research and Development Cluster | Environmental Protection Agency | Pass-Through | WATER ENVIRONMENT RESEARCH FOUNDATION | 5137 | 66.511 | Office of Research and Development Consolidated Research/Training | 102,717 | 0 |
| | | | | | Total - 66.511 | | 754,694 | 364,093 |
| Research and Development Cluster | Environmental Protection Agency | Direct | | | 66.608 | Environmental Information Exchange Network Grant Program and Related Assistance | 147,863 | 0 |
| Research and Development Cluster | Environmental Protection Agency | Pass-Through | AMEC | 16098772 | 66.RD | Environmental Protection Agency | 2,915 | 0 |
| Research and Development Cluster | Environmental Protection Agency | Pass-Through | XCMR INC | 22079080 | 66.RD | Environmental Protection Agency | 9,961 | 0 |
| Research and Development Cluster | Environmental Protection Agency | Pass-Through | WOOD ENVRNT & INFRAS SOLUTIONS INC | F013201000 | 66.RD | Environmental Protection Agency | 9,625 | 0 |
| Research and Development Cluster | Environmental Protection Agency | Pass-Through | PEGASUS TECHNICAL SERVICES INC | PUR-21-001 | 66.RD | Environmental Protection Agency | 170 | 0 |
| | | | | | Total - 66.RD | | 22,671 | 0 |
| Research and Development Cluster | Total - Environmental Protection Agency | | | | | | 1,749,468 | 633,339 |
| Research and Development Cluster | Nuclear Regulatory Commission | Direct | | | 77.006 | U. S. Nuclear Regulatory Commission Nuclear Education Grant Program | 21,832 | 0 |
| Research and Development Cluster | Nuclear Regulatory Commission | Direct | | | 77.008 | Nuclear Regulatory Commission Scholarship & Fellowship Program | 212,316 | 0 |

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--|--------------|---|------------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | Total - Nuclear Regulatory Commission | | | | | | 234,148 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | | 81.049 | Office of Science Financial Assistance Program | 9,738,547 | 900,614 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | CARNEGIE-MELLON UNIVERSITY | 1070142-450786 | 81.049 | Office of Science Financial Assistance Program | 82,923 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | RIKARBON, INC. | 21090931 | 81.049 | Office of Science Financial Assistance Program | 55,644 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | DONALD DANFORTH PLANT SCIENCE CENTER | 23706-P | 81.049 | Office of Science Financial Assistance Program | 149,516 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | UNIVERSITY OF NEBRASKA-LINCOLN | 25-1215-0208-004 | 81.049 | Office of Science Financial Assistance Program | 26,549 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | OAK RIDGE NATIONAL LABORATORY | 4000194294 | 81.049 | Office of Science Financial Assistance Program | 2,306,710 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | STANFORD UNIVERSITY | 61351722-124215 | 81.049 | Office of Science Financial Assistance Program | -1,375 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | STONY BROOK UNIVERSITY | 85526/2/1155763 | 81.049 | Office of Science Financial Assistance Program | 9,564 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | GEOMETRIC DATA ANALYTICS, INC | DE-SC0020542 | 81.049 | Office of Science Financial Assistance Program | 168,188 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | UNIV OF CALIFORNIA-SANTA BARBARA | KK1935 | 81.049 | Office of Science Financial Assistance Program | 61,622 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | PENNSYLVANIA STATE UNIVERSITY | S001325-USDOE | 81.049 | Office of Science Financial Assistance Program | 147,902 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | PENNSYLVANIA STATE UNIVERSITY | S002346-USDOE | 81.049 | Office of Science Financial Assistance Program | 92,981 | 0 |
| | | | | | Total - 81.049 | | 12,838,771 | 900,614 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | | 81.086 | Conservation Research and Development | 2,781,773 | 475,674 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | FORD MOTOR COMPANY | DE-EE0009203 | 81.086 | Conservation Research and Development | 237,339 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | UNIVERSITY OF WISCONSIN-MADISON | 0000000464 | 81.086 | Conservation Research and Development | 153,710 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | UTAH STATE UNIVERSITY | 203220-744 | 81.086 | Conservation Research and Development | 71,766 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | INST FOR ADVCD COMPOSITES MF INNOVATION | PA16-0349-3.12-01 | 81.086 | Conservation Research and Development | 3 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | UNIVERSITY OF TENNESSEE (THE) | PA16-0349-7.1-01 | 81.086 | Conservation Research and Development | 4,236 | 0 |
| | | | | | Total - 81.086 | | 3,248,827 | 475,674 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | | 81.087 | Renewable Energy Research and Development | 2,840,382 | 362,775 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | ARCELORMITTAL USA | 4550 G WA302 | 81.087 | Renewable Energy Research and Development | -453 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | UNIVERSITY OF UTAH | 10039612-PURDUE-5-2557 | 81.087 | Renewable Energy Research and Development | 421,583 | 260,396 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | THE REGENTS OF THE UNIV OF CA | 4550 G YA226 | 81.087 | Renewable Energy Research and Development | 272,145 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | MICHIGAN STATE UNIVERSITY | RC111121 - PU | 81.087 | Renewable Energy Research and Development | 161,343 | 0 |
| | | | | | Total - 81.087 | | 3,695,000 | 623,171 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | | 81.089 | Fossil Energy Research and Development | 351,929 | 30,940 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | UNIVERSITY OF CENTRAL FLORIDA | 16266A67 | 81.089 | Fossil Energy Research and Development | 943 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | TENNESSEE TECH UNIVERSITY | BL125409438 | 81.089 | Fossil Energy Research and Development | -6,232 | 0 |

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Purdue University
Schedule of Expenditures of Federal Awards
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|----------------------------------|---------------------------|--------------|--|--------------------|-----------------------|---|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | SOUTHWEST RESEARCH INSTITUTE | P99007RR | 81.089 | Fossil Energy Research and Development | 420,064 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | NATIONAL RURAL ELECTRIC COOPERATIVE ASSN | PURDUE-001-SUBK | 81.089 | Fossil Energy Research and Development | 321,463 | 0 |
| | | | | | Total - 81.089 | | 1,088,167 | 30,940 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | | 81.121 | Nuclear Energy Research, Development and Demonstration | 988,875 | 35,957 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | UNIVERSITY OF NEBRASKA-LINCOLN | 25-1123-0061-002 | 81.121 | Nuclear Energy Research, Development and Demonstration | 277 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | NORTH CAROLINA STATE UNIVERSITY | 2016-1536-01 | 81.121 | Nuclear Energy Research, Development and Demonstration | 6 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | OHIO STATE UNIVERSITY | PO# RF 01579974 | 81.121 | Nuclear Energy Research, Development and Demonstration | 40,890 | 0 |
| | | | | | Total - 81.121 | | 1,030,048 | 35,957 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | | 81.122 | Electricity Delivery and Energy Reliability, Research, Development and Analysis | 558,923 | 251,554 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | STANFORD UNIVERSITY | 62486845-138242-01 | 81.124 | Predictive Science Academic Alliance Program | 256,682 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | | 81.135 | Advanced Research and Projects Agency ♦ Energy Financial Assistance Program | 1,577,572 | 618,961 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | SONRISA RESEARCH INC | 19013714 | 81.135 | Advanced Research and Projects Agency ♦ Energy Financial Assistance Program | 223,392 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | COLORADO SCHOOL OF MINES | 401567-5802 | 81.135 | Advanced Research and Projects Agency ♦ Energy Financial Assistance Program | 116,537 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | OREGON STATE UNIVERSITY | G0183A-A | 81.135 | Advanced Research and Projects Agency ♦ Energy Financial Assistance Program | 74,477 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | S4894-PO397313 | 81.135 | Advanced Research and Projects Agency ♦ Energy Financial Assistance Program | 159,444 | 0 |
| | | | | | Total - 81.135 | | 2,151,422 | 870,515 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 115108 | 81.RD | U.S. Department of Energy | 37,435 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 133569 | 81.RD | U.S. Department of Energy | 59,505 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 140520 | 81.RD | U.S. Department of Energy | 50,102 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 1852765 | 81.RD | U.S. Department of Energy | 1,790 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 1971341 | 81.RD | U.S. Department of Energy | -1,863 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 1975861 | 81.RD | U.S. Department of Energy | 39,165 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2041483 | 81.RD | U.S. Department of Energy | 238,823 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2056944 | 81.RD | U.S. Department of Energy | -10 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2081656 | 81.RD | U.S. Department of Energy | 38,641 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2083577 | 81.RD | U.S. Department of Energy | 32,597 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2084425 | 81.RD | U.S. Department of Energy | 129,551 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2090974 | 81.RD | U.S. Department of Energy | 32,845 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2091335 | 81.RD | U.S. Department of Energy | 5,384 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2095505 | 81.RD | U.S. Department of Energy | 119,613 | 0 |

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|---------------------------|--------|----------------------|------------------|-------|---------------------------|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2097716 | 81.RD | U.S. Department of Energy | 52,970 | 37,628 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 21014224 | 81.RD | U.S. Department of Energy | 9,700 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2104827 | 81.RD | U.S. Department of Energy | 71,989 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2106142 | 81.RD | U.S. Department of Energy | 96,742 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 21068148 | 81.RD | U.S. Department of Energy | 6,536 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2162652 | 81.RD | U.S. Department of Energy | -508 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 216331 | 81.RD | U.S. Department of Energy | 5,866 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2167336 | 81.RD | U.S. Department of Energy | 94,466 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2174242 | 81.RD | U.S. Department of Energy | 6,184 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2176317 | 81.RD | U.S. Department of Energy | 72,913 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 217897 | 81.RD | U.S. Department of Energy | -8,630 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2189722 | 81.RD | U.S. Department of Energy | 99,312 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2193858 | 81.RD | U.S. Department of Energy | 64,959 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2195291 | 81.RD | U.S. Department of Energy | 543,628 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2195626 | 81.RD | U.S. Department of Energy | 37,349 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2201442 | 81.RD | U.S. Department of Energy | 103,374 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2204365 | 81.RD | U.S. Department of Energy | 22,621 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2204400 | 81.RD | U.S. Department of Energy | 97,800 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2204478 | 81.RD | U.S. Department of Energy | 19,865 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2205519 | 81.RD | U.S. Department of Energy | 83,153 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2206255 | 81.RD | U.S. Department of Energy | 86,761 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2207382 | 81.RD | U.S. Department of Energy | 56,844 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 220926 | 81.RD | U.S. Department of Energy | 6,884 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 220928 | 81.RD | U.S. Department of Energy | 116,866 | 39,978 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2210356 | 81.RD | U.S. Department of Energy | 15,011 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2215195 | 81.RD | U.S. Department of Energy | 94,629 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2218371 | 81.RD | U.S. Department of Energy | 26,055 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2224095 | 81.RD | U.S. Department of Energy | 32,159 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2230622 | 81.RD | U.S. Department of Energy | 14,042 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2232217 | 81.RD | U.S. Department of Energy | 7,083 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|---------------------------|--------|----------------------|------------------|-------|---------------------------|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2234344 | 81.RD | U.S. Department of Energy | 79,105 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2248552 | 81.RD | U.S. Department of Energy | 56,122 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2248643 | 81.RD | U.S. Department of Energy | 35,162 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2249251 | 81.RD | U.S. Department of Energy | 38,397 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2259625 | 81.RD | U.S. Department of Energy | 16,267 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2300437 | 81.RD | U.S. Department of Energy | 20,000 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2300939 | 81.RD | U.S. Department of Energy | 51,789 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2304745 | 81.RD | U.S. Department of Energy | 12,757 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2313225 | 81.RD | U.S. Department of Energy | 67,771 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2313773 | 81.RD | U.S. Department of Energy | 17,113 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2314117 | 81.RD | U.S. Department of Energy | 31,416 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 231427 | 81.RD | U.S. Department of Energy | 24,573 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2317516 | 81.RD | U.S. Department of Energy | 34,407 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2317662 | 81.RD | U.S. Department of Energy | 26,855 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2320621 | 81.RD | U.S. Department of Energy | 35,375 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2330618 | 81.RD | U.S. Department of Energy | 28,623 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2332029 | 81.RD | U.S. Department of Energy | 26,566 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2350208 | 81.RD | U.S. Department of Energy | 644 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 2352373 | 81.RD | U.S. Department of Energy | 54,999 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 239544 | 81.RD | U.S. Department of Energy | 2,813 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 3010504729 | 81.RD | U.S. Department of Energy | -15 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 4000151703 | 81.RD | U.S. Department of Energy | 108,033 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 4000192758 | 81.RD | U.S. Department of Energy | 85,024 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 4000193872 | 81.RD | U.S. Department of Energy | 58,378 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 425170 | 81.RD | U.S. Department of Energy | 19,880 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 498532 | 81.RD | U.S. Department of Energy | 71,934 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 4F-32042 | 81.RD | U.S. Department of Energy | 9 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | 8F-30010 | 81.RD | U.S. Department of Energy | 34,758 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | PO 2334433 | 81.RD | U.S. Department of Energy | 41,890 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Direct | | PO 2340297 | 81.RD | U.S. Department of Energy | 44,692 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|---------------------------|--------------|--|------------------|-------|---------------------------|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Energy | Direct | | SC-18-476 | 81.RD | U.S. Department of Energy | 651,989 | 40,213 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | SAVANNAH RIVER NUCLEAR SOLUTIONS LLC | 0000386328 | 81.RD | U.S. Department of Energy | -210 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | SAVANNAH RIVER NUCLEAR SOLUTIONS LLC | 0000457811 | 81.RD | U.S. Department of Energy | -3,858 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | SAVANNAH RIVER NUCLEAR SOLUTIONS LLC | 0000483105 | 81.RD | U.S. Department of Energy | 213,551 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | BATTELLE SAVANNAH RIVER ALLIANCE, LLC | 0000557757 | 81.RD | U.S. Department of Energy | 19,845 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | GE-HITACHI NUCLEAR ENERGY AMERICAS | 02859160 | 81.RD | U.S. Department of Energy | 293,211 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | UNIVERSITY OF TEXAS AT SAN ANTONIO | 1000003891 | 81.RD | U.S. Department of Energy | 895,972 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | ELECTRIC POWER RESEARCH INSTITUTE (EPRI) | 10014924 | 81.RD | U.S. Department of Energy | 203,336 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | UNIVERSITY OF CALIFORNIA - SAN DIEGO | 111119283 | 81.RD | U.S. Department of Energy | 76,604 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | RAYTHEON TECHNOLOGIES RESEARCH CENTER | 1259830 | 81.RD | U.S. Department of Energy | 31,226 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | RAYTHEON TECHNOLOGIES RESEARCH CENTER | 1261966 | 81.RD | U.S. Department of Energy | 184,213 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | ARGONNE NATIONAL LABORATORY | 1F-60258 | 81.RD | U.S. Department of Energy | 472 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | ARGONNE NATIONAL LABORATORY | 1F-60318 | 81.RD | U.S. Department of Energy | 52,764 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | ARGONNE NATIONAL LABORATORY | 1F-60386 | 81.RD | U.S. Department of Energy | 14,222 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | ARGONNE NATIONAL LABORATORY | 1F-60453 | 81.RD | U.S. Department of Energy | 28,449 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | SONRISA RESEARCH INC | 2014-0654-91 | 81.RD | U.S. Department of Energy | 17,124 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | BATTELLE ENERGY ALLIANCE LLC | 208358 | 81.RD | U.S. Department of Energy | 416,485 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | XCMR INC | 21080105 | 81.RD | U.S. Department of Energy | 15,832 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | NATIONAL RENEWABLE ENERGY LAB | 21123850 | 81.RD | U.S. Department of Energy | 9,766 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | BATTELLE ENERGY ALLIANCE LLC | 212848 | 81.RD | U.S. Department of Energy | 16,725 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | LOS ALAMOS NATIONAL LABORATORY | 22025204 | 81.RD | U.S. Department of Energy | 29,220 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | CLEVELAND-CLIFFS STEEL LLC | 22036238 | 81.RD | U.S. Department of Energy | 12,463 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | SANDIA NATIONAL LABORATORIES | 2312343 | 81.RD | U.S. Department of Energy | 49,550 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | SANDIA NATIONAL LABORATORIES | 2313219 | 81.RD | U.S. Department of Energy | 7,264 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | IDAHO NATIONAL LABORATORY | 243477 | 81.RD | U.S. Department of Energy | 148,287 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | IDAHO NATIONAL LABORATORY | 245993 | 81.RD | U.S. Department of Energy | 162,552 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | IDAHO NATIONAL LABORATORY | 246778 | 81.RD | U.S. Department of Energy | 75,618 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | IDAHO NATIONAL LABORATORY | 250584 | 81.RD | U.S. Department of Energy | 19,955 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | IDAHO NATIONAL LABORATORY | 254567 | 81.RD | U.S. Department of Energy | 38,811 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | BATTELLE ENERGY ALLIANCE LLC | 260630 | 81.RD | U.S. Department of Energy | 74,999 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|---------------------------|--------------|---------------------------------------|------------------|-------|---------------------------|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | IDAHO NATIONAL LABORATORY | 261560 | 81.RD | U.S. Department of Energy | 53,360 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | IDAHO NATIONAL LABORATORY | 261565 | 81.RD | U.S. Department of Energy | 6,629 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | ARGONNE NATIONAL LABORATORY | 2F-60033 | 81.RD | U.S. Department of Energy | 12,078 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | ARGONNE NATIONAL LABORATORY | 2F-60054 | 81.RD | U.S. Department of Energy | 15,666 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | BROOKHAVEN NATIONAL LABORATORY | 382247 | 81.RD | U.S. Department of Energy | 17,096 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | UT-BATTELLE LLC | 4000169270 | 81.RD | U.S. Department of Energy | 6,575 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | UT-BATTELLE LLC | 4000179033 | 81.RD | U.S. Department of Energy | 42,040 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | OAK RIDGE NATIONAL LABORATORY | 4000181577 | 81.RD | U.S. Department of Energy | 4,343 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | OAK RIDGE NATIONAL LABORATORY | 4000184914 | 81.RD | U.S. Department of Energy | 687 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | OAK RIDGE NATIONAL LABORATORY | 4000191983 | 81.RD | U.S. Department of Energy | 50,803 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | OAK RIDGE NATIONAL LABORATORY | 4000195879 | 81.RD | U.S. Department of Energy | 125,788 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | PACIFIC NORTHWEST NATIONAL LABORATORY | 539426 | 81.RD | U.S. Department of Energy | 201,182 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | LOS ALAMOS NATIONAL LABORATORY | 589334 | 81.RD | U.S. Department of Energy | 256,714 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | LOS ALAMOS NATIONAL LABORATORY | 601213 | 81.RD | U.S. Department of Energy | 98,780 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | LOS ALAMOS NATIONAL LABORATORY | 607537 | 81.RD | U.S. Department of Energy | 60,319 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | FERMI NATIONAL ACCELERATOR LABORATORY | 668388 | 81.RD | U.S. Department of Energy | 634,881 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | FERMI NATIONAL ACCELERATOR LABORATORY | 672713 | 81.RD | U.S. Department of Energy | 27,482 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | FERMI NATIONAL ACCELERATOR LABORATORY | 677848 | 81.RD | U.S. Department of Energy | 104,738 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | FERMI NATIONAL ACCELERATOR LABORATORY | 683463 | 81.RD | U.S. Department of Energy | 9,245 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | ARGONNE NATIONAL LABORATORY | 8F-30072 | 81.RD | U.S. Department of Energy | 21,559 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | ARGONNE NATIONAL LABORATORY | 9F-60152 | 81.RD | U.S. Department of Energy | 13,676 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | ARGONNE NATIONAL LABORATORY | 9F-60181 M0006 | 81.RD | U.S. Department of Energy | 38,539 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | LAWRENCE LIVERMORE NATNL LAB | B646672 | 81.RD | U.S. Department of Energy | 64,247 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | LAWRENCE LIVERMORE NATNL LAB | B648789 | 81.RD | U.S. Department of Energy | 29,606 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | LAWRENCE LIVERMORE NATNL LAB | B649684 | 81.RD | U.S. Department of Energy | 42,059 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | OAK RIDGE NATIONAL LABORATORY | C1716-V4 | 81.RD | U.S. Department of Energy | 15,356 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | OAK RIDGE NATIONAL LABORATORY | CW31464 | 81.RD | U.S. Department of Energy | 20,473 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | OAK RIDGE NATIONAL LABORATORY | CW31597 | 81.RD | U.S. Department of Energy | 14,740 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | FREEDOM PHOTONICS, LLC. | S-7198 | 81.RD | U.S. Department of Energy | 63,288 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | AMES LABORATORY | SC-20-518 | 81.RD | U.S. Department of Energy | 374,837 | 0 |

* denotes major programs

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|---|--------------|-------------------------------------|-----------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | NATIONAL RENEWABLE ENERGY LAB | SUB-2020-10359 | 81.RD | U.S. Department of Energy | 21,436 | 0 |
| Research and Development Cluster | U.S. Department of Energy | Pass-Through | NATIONAL RENEWABLE ENERGY LAB | SUB-2021-10583 | 81.RD | U.S. Department of Energy | 20,000 | 0 |
| | | | | | Total - 81.RD | | 10,070,197 | 117,819 |
| Research and Development Cluster | Total - U.S. Department of Energy | | | | | | 34,938,037 | 3,054,690 |
| Research and Development Cluster | U.S. Department of Education | Direct | | | 84.305 | Education Research, Development and Dissemination | 437,937 | 154,315 |
| Research and Development Cluster | U.S. Department of Education | Pass-Through | LEHIGH UNIVERSITY | 544220-78002 | 84.305 | Education Research, Development and Dissemination | 36,504 | 0 |
| Research and Development Cluster | U.S. Department of Education | Pass-Through | OREGON STATE UNIVERSITY | ED175A-B | 84.305 | Education Research, Development and Dissemination | 23,800 | 0 |
| | | | | | Total - 84.305 | | 498,241 | 154,315 |
| Research and Development Cluster | U.S. Department of Education | Direct | | | 84.324 | Research in Special Education | 118,994 | 57,982 |
| Research and Development Cluster | U.S. Department of Education | Direct | | | 84.325 | Special Education - Personnel Development to Improve Services and Results for Ch | 350,182 | 0 |
| Research and Development Cluster | U.S. Department of Education | Direct | | | 84.365 | English Language Acquisition State Grants | 711,831 | 0 |
| Research and Development Cluster | U.S. Department of Education | Direct | | 21112398 | 84.RD | U.S. Department of Education | 32,978 | 0 |
| Research and Development Cluster | U.S. Department of Education | Pass-Through | NISWONGER FOUNDATION | S411B200035 | 84.RD | U.S. Department of Education | 17,895 | 0 |
| | | | | | Total - 84.RD | | 50,873 | 0 |
| Research and Development Cluster | Total - U.S. Department of Education | | | | | | 1,730,121 | 212,297 |
| Research and Development Cluster | National Archives | Direct | | | 89.003 | National Historical Publications and Records Grants | 53,720 | 0 |
| Research and Development Cluster | Total - National Archives | | | | | | 53,720 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | LEIDOS BIOMEDICAL RESEARCH INC | 20X095 Q2 | 93.001 | Civil Rights and Privacy Rule Compliance Activities | 380,650 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | TEICHOS LABORATORIES, LLC | 21025128 | 93.083 | Prevention of Disease, Disability, and Death through Immunization and Control of | 48,237 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.103 | Food and Drug Administration_Research | 1,409,439 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | RUTGERS, THE STATE UNIVERSITY | 1251 | 93.103 | Food and Drug Administration_Research | -80 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | RUTGERS, THE STATE UNIVERSITY | 2151 | 93.103 | Food and Drug Administration_Research | 124,511 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF DELAWARE | 58082 | 93.103 | Food and Drug Administration_Research | 304,458 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | NATNL INST FOR PHRMCTCL TECH & EDUC | NIPTE-U01-PU-2022-002 | 93.103 | Food and Drug Administration_Research | 13,196 | 0 |
| | | | | | Total - 93.103 | | 1,851,524 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.107 | Model State-Supported Area Health Education Centers | 26,034 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 8119 4683364 | 93.107 | Model State-Supported Area Health Education Centers | 79,651 | 0 |
| | | | | | Total - 93.107 | | 105,685 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.113 | Biological Response to Environmental Health Hazards | 1,800,573 | 344,731 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | ALBERT EINSTEIN COLLEGE OF MEDICINE | 311022 | 93.113 | Biological Response to Environmental Health Hazards | 32,810 | 18,182 |

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--|--------------|---------------------------------------|------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | ALBERT EINSTEIN COLLEGE OF MEDICINE | 311288 | 93.113 | Biological Response to Environmental Health Hazards | 264,890 | 49,327 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | ALBERT EINSTEIN COLLEGE OF MEDICINE | 312096 | 93.113 | Biological Response to Environmental Health Hazards | 110,130 | 0 |
| | | | | | Total - 93.113 | | 2,208,403 | 412,240 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.121 | Oral Diseases and Disorders Research | 658 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | MARION COUNTY HEALTH DEPARTMENT | 22046728 | 93.136 | Injury Prevention and Control Research and State and Community Based Programs | 21,433 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.143 | NIEHS Superfund Hazardous Substances__Basic Research and Education | 80,323 | 13,612 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF TEXAS AT SAN ANTONIO | 170470/170015 | 93.155 | Rural Health Research Centers | 21,889 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.173 | Research Related to Deafness and Communication Disorders | 3,353,242 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF MASSACHUSETTS AMHERST | 18-010389A00 | 93.173 | Research Related to Deafness and Communication Disorders | 8,241 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IU SCHOOL OF MEDICINE | 9052-PU | 93.173 | Research Related to Deafness and Communication Disorders | 120,297 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | OHIO STATE UNIVERSITY | GR120213 | 93.173 | Research Related to Deafness and Communication Disorders | 16,052 | 0 |
| | | | | | Total - 93.173 | | 3,497,832 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA CENTER FOR NURSING | 22024770 | 93.178 | Nursing Workforce Diversity | 57,940 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.213 | Research and Training in Complementary and Alternative Medicine | 155,530 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.226 | Research on Healthcare Costs, Quality and Outcomes | 303,009 | 199,285 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIV OF ILLINOIS AT CHAMPAIGN-URBANA | 106187-18696 | 93.233 | National Center on Sleep Disorders Research | 105,993 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.242 | Mental Health Research Grants | 3,171,029 | 295,532 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00012614 | 93.242 | Mental Health Research Grants | 84,640 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | BROWN UNIVERSITY | 00001446 | 93.242 | Mental Health Research Grants | 34,525 | 22,721 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | OREGON HEALTH SCIENCES UNIVERSITY | 1018022_PURDUE | 93.242 | Mental Health Research Grants | 34,858 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | CINCINNATI CHILDRENS HOSPITAL MED CTR | 312122 | 93.242 | Mental Health Research Grants | 16,349 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | DUKE UNIVERSITY | A034063 | 93.242 | Mental Health Research Grants | 7,564 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | FEINSTEIN INST FOR MEDICAL RES | AWD00001246-PU | 93.242 | Mental Health Research Grants | 44,479 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF KANSAS | FY2022-005 | 93.242 | Mental Health Research Grants | 13,228 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | IN-4679720-PU | 93.242 | Mental Health Research Grants | -8,618 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00010086 | 93.242 | Mental Health Research Grants | 114,828 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | WASHINGTON UNIVERSITY | WU-22-0027 | 93.242 | Mental Health Research Grants | 65,751 | 0 |
| | | | | | Total - 93.242 | | 3,578,633 | 318,253 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.243 | Substance Abuse and Mental Health Services_Projects of Regional and National Sig | 170,040 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | OKLAHOMA STATE UNIVERSITY | 97695 | 93.243 | Substance Abuse and Mental Health Services_Projects of Regional and National Sig | 3,388 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--|--------------|-------------------------------------|--------------------------|-----------------------|--|----------------------|---------------------------|
| | | | | | Total - 93.243 | | 173,428 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.262 | Occupational Safety and Health Program | 7,641 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF CINCINNATI | 010412-102 | 93.262 | Occupational Safety and Health Program | 6,486 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF NEBRASKA | 34-5420-2006-211 | 93.262 | Occupational Safety and Health Program | 12,804 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF IOWA | S02401-01 | 93.262 | Occupational Safety and Health Program | 3,690 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00014286 | 93.262 | Occupational Safety and Health Program | 5,200 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00014287 | 93.262 | Occupational Safety and Health Program | -622 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00016038 | 93.262 | Occupational Safety and Health Program | 17,302 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00016152 | 93.262 | Occupational Safety and Health Program | 13,976 | 0 |
| | | | | | Total - 93.262 | | 66,477 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.273 | Alcohol Research Programs | 1,360,326 | 52,844 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UTAH STATE UNIVERSITY | 201356-490 | 93.273 | Alcohol Research Programs | 11,601 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 8900 | 93.273 | Alcohol Research Programs | 14,419 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IN UNIV PURDUE UNIV AT INDIANAPOLIS | 9211-PU | 93.273 | Alcohol Research Programs | 20,996 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 9215 | 93.273 | Alcohol Research Programs | 13,614 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | MONTANA STATE UNIVERSITY | G259-21-W8643 | 93.273 | Alcohol Research Programs | 14,294 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | IN4687305PU | 93.273 | Alcohol Research Programs | 29,672 | 0 |
| | | | | | Total - 93.273 | | 1,464,922 | 52,844 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.279 | Drug Abuse and Addiction Research Programs | 1,408,671 | 70,674 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | THE UNIVERSITY OF BRITISH COLUMBIA | 20R22505 | 93.279 | Drug Abuse and Addiction Research Programs | -52,663 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | PENNSYLVANIA STATE UNIVERSITY | 5877-PU-DHHS-5108-04 | 93.279 | Drug Abuse and Addiction Research Programs | 143,049 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF MINNESOTA | D009105902 | 93.279 | Drug Abuse and Addiction Research Programs | 68,473 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | SFC FLUIDICS | SFC 2018-01 | 93.279 | Drug Abuse and Addiction Research Programs | 1,851 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | OHIO STATE UNIVERSITY | SPC-1000003679/GR107769 | 93.279 | Drug Abuse and Addiction Research Programs | -3,294 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | OHIO STATE UNIVERSITY | SPC-100008741 / GR109354 | 93.279 | Drug Abuse and Addiction Research Programs | 36,791 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | EMORY UNIVERSITY | T880310 | 93.279 | Drug Abuse and Addiction Research Programs | 44,107 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | EMORY UNIVERSITY | T994736 | 93.279 | Drug Abuse and Addiction Research Programs | 9,539 | 0 |
| | | | | | Total - 93.279 | | 1,656,524 | 70,674 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.286 | Discovery and Applied Research for Technological Innovations to Improve Human He | 476,374 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF PENNSYLVANIA | 574115 | 93.286 | Discovery and Applied Research for Technological Innovations to Improve Human He | -885 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--|--------------|---|-------------------|-----------------------|--|----------------------|---------------------------|
| | | | | | Total - 93.286 | | 475,489 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.307 | Minority Health and Health Disparities Research | 504,980 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | NORTHERN ARIZONA UNIVERSITY | 1004937-02 | 93.307 | Minority Health and Health Disparities Research | 65,952 | 0 |
| | | | | | Total - 93.307 | | 570,932 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.310 | Trans-NIH Research Support | 4,293,932 | 2,094,241 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | CARNEGIE-MELLON UNIVERSITY | 1090667-441650 | 93.310 | Trans-NIH Research Support | 8,000 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 8715_PUR | 93.310 | Trans-NIH Research Support | 39,993 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | DUKE UNIVERSITY | A03-5087 | 93.310 | Trans-NIH Research Support | 216,048 | 42,980 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00013663 | 93.310 | Trans-NIH Research Support | 86,810 | 0 |
| | | | | | Total - 93.310 | | 4,644,783 | 2,137,221 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.350 | National Center for Advancing Translational Sciences | -106 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IN CLINICAL & TRANSLATIONAL SCI INST | 21112789 | 93.350 | National Center for Advancing Translational Sciences | 4,581 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IN UNIV PURDUE UNIV AT INDIANAPOLIS | 00088780 | 93.350 | National Center for Advancing Translational Sciences | 3,179 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IN UNIV PURDUE UNIV AT INDIANAPOLIS | 8475 | 93.350 | National Center for Advancing Translational Sciences | -599 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 8681 | 93.350 | National Center for Advancing Translational Sciences | -121 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IN UNIV PURDUE UNIV AT INDIANAPOLIS | 8929 | 93.350 | National Center for Advancing Translational Sciences | 97,437 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IN UNIV PURDUE UNIV AT INDIANAPOLIS | 8940 | 93.350 | National Center for Advancing Translational Sciences | 797,961 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IN UNIV PURDUE UNIV AT INDIANAPOLIS | 8944 | 93.350 | National Center for Advancing Translational Sciences | 179,986 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 8946 | 93.350 | National Center for Advancing Translational Sciences | 163,794 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | IN4680912PU | 93.350 | National Center for Advancing Translational Sciences | -605 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IN UNIV PURDUE UNIV AT INDIANAPOLIS | NTP | 93.350 | National Center for Advancing Translational Sciences | 5,735 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IN UNIV PURDUE UNIV AT INDIANAPOLIS | NTP-00101161 | 93.350 | National Center for Advancing Translational Sciences | 83,878 | 0 |
| | | | | | Total - 93.350 | | 1,335,120 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.351 | Research Infrastructure Programs | 115,913 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000516421-SC003 | 93.353 | 21st Century Cures Act - Beau Biden Cancer Moonshot | 19,519 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.361 | Nursing Research | 143,785 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.393 | Cancer Cause and Prevention Research | 268,639 | 13,708 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF PITTSBURGH MEDICAL CENTER | 0057797(130855-2) | 93.393 | Cancer Cause and Prevention Research | 56,936 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | HARVARD MEDICAL SCHOOL | 1299701 | 93.393 | Cancer Cause and Prevention Research | 41,402 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF HAWAII | KA1750 | 93.393 | Cancer Cause and Prevention Research | 43,514 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--|--------------|--|------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF HAWAII | KA1751 | 93.393 | Cancer Cause and Prevention Research | 6,250 | 0 |
| | | | | | Total - 93.393 | | 416,741 | 13,708 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.394 | Cancer Detection and Diagnosis Research | 1,112,274 | 340,584 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | TYMORA ANALYTICAL OPERATIONS, LLC | 4R44CA239845-02 | 93.394 | Cancer Detection and Diagnosis Research | 31,372 | 0 |
| | | | | | Total - 93.394 | | 1,143,646 | 340,584 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.395 | Cancer Treatment Research | 2,466,092 | 265,402 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 9014 | 93.395 | Cancer Treatment Research | 180,588 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | KINARX, LLC | 19025176 | 93.395 | Cancer Treatment Research | 40,180 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | KINARX, LLC | 20025158 | 93.395 | Cancer Treatment Research | 4,356 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IU SCHOOL OF MEDICINE | 9010 | 93.395 | Cancer Treatment Research | 56,097 | 0 |
| | | | | | Total - 93.395 | | 2,747,313 | 265,402 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.396 | Cancer Biology Research | 2,633,260 | 676,040 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.397 | Cancer Centers Support Grants | 1,750,903 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.398 | Cancer Research Manpower | 988,869 | 50,420 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.600 | Head Start | 14,772 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | CHILDHELP, INC | 20123014 | 93.670 | Child Abuse and Neglect Discretionary Activities | 74,350 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.747 | Elder Abuse Prevention Interventions Program | 22,557 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | STATE OF MONTANA | APS-OP-2020-3 | 93.747 | Elder Abuse Prevention Interventions Program | 86,052 | 0 |
| | | | | | Total - 93.747 | | 108,609 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.774 | Medicare_Supplementary Medical Insurance | 15,756 | 8,992 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.788 | Opioid STR | 462,665 | 207,868 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IN FAMILY & SOCIAL SERVICES ADMIN | GRANT ID: 32087 | 93.788 | Opioid STR | -1 | 0 |
| | | | | | Total - 93.788 | | 462,664 | 207,868 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.822 | Health Careers Opportunity Program | 723,616 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.837 | Heart and Vascular Diseases Research | 1,738,840 | 262,453 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | MICHIGAN TECHNOLOGICAL UNIVERSITY | 170206323 | 93.837 | Heart and Vascular Diseases Research | 32,866 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | AQUILLO SPORTS LLC | 21101919 | 93.837 | Heart and Vascular Diseases Research | 30,823 | 0 |
| | | | | | Total - 93.837 | | 1,802,529 | 262,453 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.839 | Blood Diseases and Resources Research | -211 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIV. OF NORTH CAROLINA AT CHAPEL HILL | 5115293 | 93.839 | Blood Diseases and Resources Research | -2 | 0 |

* denotes major programs

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--|--------------|--|------------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIV. OF NORTH CAROLINA AT CHAPEL HILL | 5118100 | 93.839 | Blood Diseases and Resources Research | -11,776 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIV. OF NORTH CAROLINA AT CHAPEL HILL | 5121821 | 93.839 | Blood Diseases and Resources Research | 179,345 | 0 |
| | | | | | Total - 93.839 | | 167,356 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.840 | Translation and Implementation Science Research for Heart, Lung, Blood Diseases, | 23,816 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | MOI UNIVERSITY | 22014275 | 93.840 | Translation and Implementation Science Research for Heart, Lung, Blood Diseases, | 9,919 | 0 |
| | | | | | Total - 93.840 | | 33,735 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | 1,891,189 | 417,482 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF COLORADO AT BOULDER | 1559695 | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | 18,815 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | VIRGINIA COMMONWEALTH UNIVERSITY | FP00007737_SA001 | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | 173,726 | 0 |
| | | | | | Total - 93.846 | | 2,083,730 | 417,482 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.847 | Diabetes, Endocrinology and Metabolism Research | 1,892,689 | 136,677 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IN UNIV PURDUE UNIV AT INDIANAPOLIS | 21123703 | 93.847 | Diabetes, Endocrinology and Metabolism Research | 51,036 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IN UNIV PURDUE UNIV AT INDIANAPOLIS | 7916_PUR | 93.847 | Diabetes, Endocrinology and Metabolism Research | 96,102 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 8521 | 93.847 | Diabetes, Endocrinology and Metabolism Research | 7,962 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 8837_PUR | 93.847 | Diabetes, Endocrinology and Metabolism Research | 5,994 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 8973_PUR | 93.847 | Diabetes, Endocrinology and Metabolism Research | 49,703 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 8975_PUR | 93.847 | Diabetes, Endocrinology and Metabolism Research | 23,233 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | NORTHSHORE UNIV HEALTH SYSTEM | EH18-093-S1 | 93.847 | Diabetes, Endocrinology and Metabolism Research | -3,761 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF COLORADO DENVER | FY22.115.001_AMD5 | 93.847 | Diabetes, Endocrinology and Metabolism Research | 57,235 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IN UNIV PURDUE UNIV AT INDIANAPOLIS | REQ 134762495 | 93.847 | Diabetes, Endocrinology and Metabolism Research | -599 | 0 |
| | | | | | Total - 93.847 | | 2,179,594 | 136,677 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.853 | Extramural Research Programs in the Neurosciences and Neurological Disorders | 2,110,102 | 169,911 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF IOWA | S00841-01 | 93.853 | Extramural Research Programs in the Neurosciences and Neurological Disorders | -432 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF IOWA | S00841-02 | 93.853 | Extramural Research Programs in the Neurosciences and Neurological Disorders | 124,686 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF IOWA | S00841-03 | 93.853 | Extramural Research Programs in the Neurosciences and Neurological Disorders | 24,303 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | BRIGHAM AND WOMEN'S HOSPITAL | 121802 | 93.853 | Extramural Research Programs in the Neurosciences and Neurological Disorders | 525,625 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | MR-LINK LLC | 17099944 | 93.853 | Extramural Research Programs in the Neurosciences and Neurological Disorders | 91 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | BACKYARD BRAINS | 18078267 | 93.853 | Extramural Research Programs in the Neurosciences and Neurological Disorders | 9,266 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIV OF TEXAS S WSTN MEDICAL CENTER, THE | GMO211009 PO0000002095 | 93.853 | Extramural Research Programs in the Neurosciences and Neurological Disorders | 102,943 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | IN4685646PU | 93.853 | Extramural Research Programs in the Neurosciences and Neurological Disorders | 263,948 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--|--------------|--|-------------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF MINNESOTA | N008262301 | 93.853 | Extramural Research Programs in the Neurosciences and Neurological Disorders | 155,465 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | BRIGHAM AND WOMEN'S HOSPITAL | NTP22111940 | 93.853 | Extramural Research Programs in the Neurosciences and Neurological Disorders | 31,431 | 0 |
| | | | | | Total - 93.853 | | 3,347,428 | 169,911 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.855 | Allergy, Immunology and Transplantation Research | 6,689,078 | 1,243,772 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | TEICHOS LABORATORIES, LLC | 21046529 | 93.855 | Allergy, Immunology and Transplantation Research | 6,701 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | LA JOLLA INST FOR ALLERGY & IMMUNOLOGY | 27909-02-123-408 | 93.855 | Allergy, Immunology and Transplantation Research | -4,019 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | LA JOLLA INST FOR ALLERGY & IMMUNOLOGY | 27909-03-123-408 | 93.855 | Allergy, Immunology and Transplantation Research | 199,933 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | LA JOLLA INST FOR ALLERGY & IMMUNOLOGY | 27909-04-123-408 | 93.855 | Allergy, Immunology and Transplantation Research | 27,176 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | VIRGINIA POLYTECHNIC INST & STATE UNIV | 412642-19084 | 93.855 | Allergy, Immunology and Transplantation Research | 305,419 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF ROCHESTER | 417319G/UR FAO GR510776 | 93.855 | Allergy, Immunology and Transplantation Research | 377,318 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | STANFORD UNIVERSITY | 62649495-192167 | 93.855 | Allergy, Immunology and Transplantation Research | 390,257 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IU SCHOOL OF MEDICINE | 8514-PU | 93.855 | Allergy, Immunology and Transplantation Research | 214,098 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF CALIFORNIA - DAVIS | A20-0624-S001-02 | 93.855 | Allergy, Immunology and Transplantation Research | 8,630 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF COLORADO DENVER | FY16.526.001 | 93.855 | Allergy, Immunology and Transplantation Research | 62,706 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | GEORGIA STATE UNIVERSITY | SP00013765-03 | 93.855 | Allergy, Immunology and Transplantation Research | 122 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | WASHINGTON UNIVERSITY | WU-17-36 | 93.855 | Allergy, Immunology and Transplantation Research | 101,316 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | WASHINGTON UNIVERSITY | WU-18-457 | 93.855 | Allergy, Immunology and Transplantation Research | 332,535 | 0 |
| | | | | | Total - 93.855 | | 8,711,270 | 1,243,772 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.859 | Biomedical Research and Research Training | 11,336,201 | 365,486 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | TYMORA ANALYTICAL OPERATIONS, LLC | 19100468 | 93.859 | Biomedical Research and Research Training | 58,028 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF CALIFORNIA - SANTA CRUZ | A18-0179-S001-PO646848 | 93.859 | Biomedical Research and Research Training | 38,281 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF VIRGINIA | GB11056.169317 | 93.859 | Biomedical Research and Research Training | 13,377 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF WASHINGTON | UWSC12039 | 93.859 | Biomedical Research and Research Training | 97,536 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF WASHINGTON | UWSC13365 | 93.859 | Biomedical Research and Research Training | 79,321 | 0 |
| | | | | | Total - 93.859 | | 11,622,744 | 365,486 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.865 | Child Health and Human Development Extramural Research | 1,635,829 | 528,362 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | BRADLEY HOSPITAL | 7127549 | 93.865 | Child Health and Human Development Extramural Research | 37,507 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | NEW YORK UNIVERSITY | F0998-010 | 93.865 | Child Health and Human Development Extramural Research | 42 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | FLORIDA STATE UNIVERSITY | R000002856 | 93.865 | Child Health and Human Development Extramural Research | 12,008 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | FLORIDA STATE UNIVERSITY | R000002943 | 93.865 | Child Health and Human Development Extramural Research | 15,356 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|--|--------------|--|-----------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF CONNECTICUT | UCHC7-145205302 | 93.865 | Child Health and Human Development Extramural Research | 27,740 | 0 |
| | | | | | Total - 93.865 | | 1,728,482 | 528,362 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.866 | Aging Research | 2,166,033 | 698,789 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | TYMORA ANALYTICAL OPERATIONS, LLC | 19100468 | 93.866 | Aging Research | 11,831 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | WORK LIFE HELP LLC | 20101357 | 93.866 | Aging Research | 140,112 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF MASSACHUSETTS | 21-015815 A00 | 93.866 | Aging Research | 4,614 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IU SCHOOL OF MEDICINE | 22014114 | 93.866 | Aging Research | 30,175 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF KENTUCKY | 3200004317-22-113 | 93.866 | Aging Research | 40,072 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 8160_PUR | 93.866 | Aging Research | 3,337,998 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 9102 | 93.866 | Aging Research | 13,612 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIV OF TX HEALTH SCIENCE CTR AT HOUSTON | SA0000226 | 93.866 | Aging Research | 19,857 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | SUBAWARD#: 8943 | 93.866 | Aging Research | 143,681 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF WASHINGTON | UWSC11021 | 93.866 | Aging Research | -6,512 | 0 |
| | | | | | Total - 93.866 | | 5,901,473 | 698,789 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.867 | Vision Research | 1,080,657 | 129,786 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | CORNELL UNIVERSITY | 211848 - 222709 | 93.867 | Vision Research | 99,194 | 0 |
| | | | | | Total - 93.867 | | 1,179,851 | 129,786 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | | 93.879 | Medical Library Assistance | 41,587 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | MARION GENERAL HOSPITAL | 19100889 | 93.912 | Rural Health Care Services Outreach and Rural Health Network Development Program | 138 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | OHIO STATE UNIVERSITY | 60074625 | 93.958 | Block Grants for Community Mental Health Services | 125 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | IN FAMILY & SOCIAL SERVICES ADMIN | GRANT ID 21962 | 93.959 | Block Grants for Prevention and Treatment of Substance Abuse | -154 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 19078529 | 93.969 | Geriatric Education Centers | 10,625 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 9213-PU | 93.991 | Preventive Health and Health Services Block Grant | 15,610 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | 19024324 - PIOTROWSKI | 93.RD | U.S. Department of Health & Human Services | 2,394 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | 19122519 - DAVIS | 93.RD | U.S. Department of Health & Human Services | 2,394 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | 19122660 | 93.RD | U.S. Department of Health & Human Services | 16,660 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | 21014254 - HUANG | 93.RD | U.S. Department of Health & Human Services | 2,993 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | 21067911 | 93.RD | U.S. Department of Health & Human Services | 132,674 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | 21112227 | 93.RD | U.S. Department of Health & Human Services | 33,565 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | 21123658 | 93.RD | U.S. Department of Health & Human Services | 22,848 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------------------------------|---|--------------|--------------------------------------|--------------------------|-----------------------|--|----------------------|---------------------------|
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | BECK | 93.RD | U.S. Department of Health & Human Services | 1,378 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | HHSN271201700022I | 93.RD | U.S. Department of Health & Human Services | 80,662 | 13,230 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | IP15120879 | 93.RD | U.S. Department of Health & Human Services | 1,378 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | SP0040139 60047648 PU-04 | 93.RD | U.S. Department of Health & Human Services | 28,011 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Direct | | SP0040139 60047653 PU-04 | 93.RD | U.S. Department of Health & Human Services | 161,438 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | MONON BIOVENTURES LLC | 19068051 | 93.RD | U.S. Department of Health & Human Services | 35,759 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF CALIFORNIA-LOS ANGELES | 1930-S-YA349 | 93.RD | U.S. Department of Health & Human Services | 24,728 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | NATNL INST FOR PHRMCTCL TECH & EDUC | NIPTE-75F-PU-2021-001 | 93.RD | U.S. Department of Health & Human Services | 99,671 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | SRI INTERNATIONAL | PO64784 | 93.RD | U.S. Department of Health & Human Services | 3,415 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | ALTARUM INSTITUTE | SC-17-010 | 93.RD | U.S. Department of Health & Human Services | 111,967 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | NORTHWESTERN UNIVERSITY | SP0040139 60047648 PU OQ | 93.RD | U.S. Department of Health & Human Services | 151,850 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | NORTHWESTERN UNIVERSITY | SP0040139 60047653 PU | 93.RD | U.S. Department of Health & Human Services | 110,815 | 0 |
| Research and Development Cluster | U.S. Department of Health & Human Services | Pass-Through | UNIVERSITY OF TEXAS AT AUSTIN | UT AUS-ONF00000079 | 93.RD | U.S. Department of Health & Human Services | 16,899 | 0 |
| | | | | | Total - 93.RD | | 1,041,499 | 13,230 |
| Research and Development Cluster | Total - U.S. Department of Health & Human Services | | | | | | 74,032,752 | 8,733,091 |
| Research and Development Cluster | U.S. Department of Homeland Security | Pass-Through | NORTHEASTERN UNIVERSITY | 505035-78054 | 97.061 | Centers for Homeland Security | 12,624 | 0 |
| Research and Development Cluster | U.S. Department of Homeland Security | Pass-Through | GEORGE MASON UNIVERSITY | E2042938 | 97.061 | Centers for Homeland Security | 72,869 | 73,848 |
| | | | | | Total - 97.061 | | 85,493 | 73,848 |
| Research and Development Cluster | U.S. Department of Homeland Security | Direct | | | 97.077 | Homeland Security Testing, Evaluation, and Demonstration of Technologies | 481,573 | 169,812 |
| Research and Development Cluster | U.S. Department of Homeland Security | Pass-Through | UNIV OF ILLINOIS AT CHAMPAIGN-URBANA | 101869-18172 | 97.RD | U.S. Department of Homeland Security | 96,754 | 0 |
| Research and Development Cluster | U.S. Department of Homeland Security | Pass-Through | UNIV OF ILLINOIS AT CHAMPAIGN-URBANA | 106487-18811 | 97.RD | U.S. Department of Homeland Security | 18,476 | 0 |
| Research and Development Cluster | U.S. Department of Homeland Security | Pass-Through | NORTHEASTERN UNIVERSITY | 505185-78051 | 97.RD | U.S. Department of Homeland Security | -210 | 0 |
| | | | | | Total - 97.RD | | 115,020 | 0 |
| Research and Development Cluster | Total - U.S. Department of Homeland Security | | | | | | 682,086 | 243,660 |
| Research and Development Cluster | Agency for International Development | Direct | | | 98.001 | USAID Foreign Assistance for Programs Overseas | 8,629,629 | 6,558,214 |
| Research and Development Cluster | Agency for International Development | Pass-Through | CIMMYT, INT. | 17121882 | 98.001 | USAID Foreign Assistance for Programs Overseas | 33,530 | 0 |
| Research and Development Cluster | Agency for International Development | Pass-Through | MICHIGAN STATE UNIVERSITY | RC108887-PURDUE | 98.001 | USAID Foreign Assistance for Programs Overseas | 438,184 | 0 |
| Research and Development Cluster | Agency for International Development | Pass-Through | MICHIGAN STATE UNIVERSITY | RC111143-PURDUE | 98.001 | USAID Foreign Assistance for Programs Overseas | 504,676 | 179,402 |
| | | | | | Total - 98.001 | | 9,606,019 | 6,737,616 |
| Research and Development Cluster | Agency for International Development | Direct | | CIMMYT | 98.RD | Agency for International Development | 249 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|---|---|--------------|------------------------------------|-------------------------|-----------------------|---|----------------------|---------------------------|
| Research and Development Cluster | Total - Agency for International Development | | | | | | 9,606,268 | 6,737,616 |
| Research and Development Cluster | Central Intelligence Agency | Pass-Through | DEFENSEWERX | 22068384 | 99.RD | Central Intelligence Agency | 88,116 | 0 |
| Research and Development Cluster | Central Intelligence Agency | Pass-Through | DEFENSEWERX | 22089314 | 99.RD | Central Intelligence Agency | 5,703 | 0 |
| Research and Development Cluster | Central Intelligence Agency | Pass-Through | UNIVERSITY OF VIRGINIA | PO#2346080 | 99.RD | Central Intelligence Agency | 36,490 | 0 |
| | | | | | Total - 99.RD | | 130,309 | 0 |
| Research and Development Cluster | Total - Central Intelligence Agency | | | | | | 130,309 | 0 |
| Total - Research and Development Cluster | | | | | | | 332,923,273 | 46,967,314 |
| SNAP Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF HEALTH | 59504 | 10.561 | State Admin Matching Grants for the Supplemental Nutrition Assistance Program | 3,078 | 0 |
| SNAP Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF HEALTH | CONTRACT #29605 (AMD#1) | 10.561 | State Admin Matching Grants for the Supplemental Nutrition Assistance Program | 1,310 | 0 |
| SNAP Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF HEALTH | CONTRACT #47205 | 10.561 | State Admin Matching Grants for the Supplemental Nutrition Assistance Program | 5,032,867 | 0 |
| SNAP Cluster | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF HEALTH | CONTRACT #59506 | 10.561 | State Admin Matching Grants for the Supplemental Nutrition Assistance Program | 3,176 | 0 |
| | | | | | Total - 10.561 | | 5,040,431 | 0 |
| Total - SNAP Cluster | | | | | | | 5,040,431 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.001 | Agricultural Research_Basic and Applied Research | 67,236 | 0 |
| | U.S. Department of Agriculture | Pass-Through | IN DEPARTMENT OF NATURAL RESOURCES | 57127 | 10.028 | Wildlife Services | 18,165 | 0 |
| | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | CONTRACT #38350 | 10.156 | Federal-State Marketing Improvement Program | 90,466 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.163 | Market Protection and Promotion | 33,475 | 0 |
| | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | A337-19-SCBG-18-005 | 10.170 | Specialty Crop Block Grant Program - Farm Bill | 5,469 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.172 | Local Food Promotion Program | 54,233 | 53,953 |
| | U.S. Department of Agriculture | Direct | | | 10.174 | Acer Access & Development Program | 43,810 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.200 | Grants for Agricultural Research, Special Research Grants | 1,561 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.202 | Cooperative Forestry Research | 26,586 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.210 | Food and Agricultural Sciences National Needs Graduate Fellowship Grants | 133,566 | 0 |
| | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H007179311 | 10.215 | Sustainable Agriculture Research and Education | 35,494 | 0 |
| | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H007179330 | 10.215 | Sustainable Agriculture Research and Education | 27,853 | 0 |
| | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H007813909 | 10.215 | Sustainable Agriculture Research and Education | 24,616 | 20,955 |
| | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H008568314 | 10.215 | Sustainable Agriculture Research and Education | 21,704 | 0 |
| | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H008568334 | 10.215 | Sustainable Agriculture Research and Education | 342 | 0 |
| | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF MINNESOTA | H009277401 | 10.215 | Sustainable Agriculture Research and Education | 3,065 | 0 |
| | | | | | Total - 10.215 | | 113,074 | 20,955 |

* denotes major programs

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------|--------------------------------|--------------|-----------------------------------|-------------------------|-----------------------|--|----------------------|---------------------------|
| | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF AR AT PINE BLUFF | 229_33_11011002 | 10.216 | 1890 Institution Capacity Building Grants | 18,786 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.217 | Higher Education Challenge Grants | 129,983 | 58,998 |
| | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF ILLINOIS | 104641-18555 | 10.229 | Extension Collaborative on Immunization Teaching & Engagement | 9,085 | 0 |
| | U.S. Department of Agriculture | Pass-Through | EXTENSION FOUNDATION | EXC1-2021-2060 | 10.229 | Extension Collaborative on Immunization Teaching & Engagement | 17,557 | 0 |
| | | | | | Total - 10.229 | | 26,642 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.250 | Agricultural and Rural Economic Research | 70,040 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.304 | Homeland Security_Agricultural | -9,353 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.307 | Organic Agriculture Research and Extension Initiative | 331,526 | 150,131 |
| | U.S. Department of Agriculture | Direct | | | 10.310 | Agriculture and Food Research Initiative | 1,025,891 | 7,975 |
| | U.S. Department of Agriculture | Pass-Through | MISSISSIPPI STATE UNIVERSITY | 018000.342094.03 | 10.310 | Agriculture and Food Research Initiative | 9,319 | 0 |
| | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF ILLINOIS | 103655-18414 | 10.310 | Agriculture and Food Research Initiative | 56,960 | 0 |
| | | | | | Total - 10.310 | | 1,092,170 | 7,975 |
| | U.S. Department of Agriculture | Pass-Through | FARMER VETERAN COALITION | BFRDP NAP OUTREACH 2018 | 10.311 | Beginning Farmer and Rancher Development Program | 60,000 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.328 | Natnl Food Safety Training, Educ, Extn, Outreach & Tech Asst Compet.Grant Prog | 32,605 | 0 |
| | U.S. Department of Agriculture | Pass-Through | IOWA STATE UNIVERSITY | 024575G | 10.328 | Natnl Food Safety Training, Educ, Extn, Outreach & Tech Asst Compet.Grant Prog | 1,158 | 0 |
| | U.S. Department of Agriculture | Pass-Through | IOWA STATE UNIVERSITY | 4163031A | 10.328 | Natnl Food Safety Training, Educ, Extn, Outreach & Tech Asst Compet.Grant Prog | 1,359 | 0 |
| | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF CALIFORNIA - DAVIS | A21-1335-S003 | 10.328 | Natnl Food Safety Training, Educ, Extn, Outreach & Tech Asst Compet.Grant Prog | 36,160 | 0 |
| | | | | | Total - 10.328 | | 71,282 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.329 | Crop Protection and Pest Management Competitive Grants Program | 192,362 | 0 |
| | U.S. Department of Agriculture | Pass-Through | HOOSIER UPLANDS ECONOMIC DEV CORP | 2019-77028-29971 | 10.334 | Enhancing Agricultural Opportunities for Military Veterans Competitive Grants | 30,090 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.351 | Rural Business Development Grant | 45,835 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.475 | Cooperative Agreements with States for Intrastate Meat and Poultry Inspection | 9,672 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.500 | Cooperative Extension Service | 2,108,790 | 840,093 |
| | U.S. Department of Agriculture | Pass-Through | MISSISSIPPI STATE UNIVERSITY | 080300.340955.02 | 10.500 | Cooperative Extension Service | 556 | 0 |
| | U.S. Department of Agriculture | Pass-Through | NORTH CAROLINA STATE UNIVERSITY | 2020-0885-01 | 10.500 | Cooperative Extension Service | 23,319 | 0 |
| | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF NEBRASKA | 25-6324-0187-311 | 10.500 | Cooperative Extension Service | 21,990 | 0 |
| | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF NEBRASKA | 25-6324-0187-312 | 10.500 | Cooperative Extension Service | 14,322 | 0 |
| | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF NEBRASKA | 25-6324-0187-315 | 10.500 | Cooperative Extension Service | 5,781 | 0 |
| | U.S. Department of Agriculture | Pass-Through | KANSAS STATE UNIVERSITY | A00-0349-S002 | 10.500 | Cooperative Extension Service | 24,648 | 0 |
| | U.S. Department of Agriculture | Pass-Through | KANSAS STATE UNIVERSITY | A22-0394-S009 | 10.500 | Cooperative Extension Service | 2,000 | 0 |

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------|---|--------------|--|-------------------|------------------------|--|----------------------|---------------------------|
| | U.S. Department of Agriculture | Pass-Through | ILLINOIS COOPERATIVE EXTENSION SERVICE | PO:P2288730 | 10.500 | Cooperative Extension Service | 84,618 | 0 |
| | | | | | Total - 10.500 | | 2,286,024 | 840,093 |
| | U.S. Department of Agriculture | Direct | | | 10.511 | Smith-Lever | 8,976,562 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.514 | Expanded Food and Nutrition Education Program | 1,243,882 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.515 | Renewable Resources Extension Act and National Focus Fund Project | 45,475 | 0 |
| | U.S. Department of Agriculture | Pass-Through | UNIV OF ILLINOIS AT CHAMPAIGN-URBANA | 101598-18251 | 10.525 | Farm and Ranch Stress Assistance Network Competitive Grants Program | 156,003 | 0 |
| | U.S. Department of Agriculture | Pass-Through | UNIV OF ILLINOIS AT CHAMPAIGN-URBANA | 101598-18253 | 10.525 | Farm and Ranch Stress Assistance Network Competitive Grants Program | 29,016 | 0 |
| | U.S. Department of Agriculture | Pass-Through | WASHINGTON STATE UNIVERSITY | 139244 SPC002311 | 10.525 | Farm and Ranch Stress Assistance Network Competitive Grants Program | 24,494 | 0 |
| | U.S. Department of Agriculture | Pass-Through | IN STATE DEPARTMENT OF AGRICULTURE | CONTRACT #56943 | 10.525 | Farm and Ranch Stress Assistance Network Competitive Grants Program | 129,952 | 0 |
| | | | | | Total - 10.525 | | 339,465 | 0 |
| | U.S. Department of Agriculture | Pass-Through | INTERNATIONAL EXECUTIVE SERVICE CORPS | 215015 | 10.606 | Food for Progress | 102,853 | 0 |
| | U.S. Department of Agriculture | Pass-Through | VIRGINIA POLYTECHNIC INST & STATE UNIV | 549123-19084 | 10.674 | Forest Products Lab: Technology Marketing Unit (TMU) | 26,124 | 0 |
| | U.S. Department of Agriculture | Direct | | | 10.680 | Forest Health Protection | 18,356 | 29,609 |
| | U.S. Department of Agriculture | Direct | | | 10.890 | Rural Development Cooperative Agreement Program | 43,720 | 10,596 |
| | U.S. Department of Agriculture | Direct | | | 10.960 | Technical Agricultural Assistance | 159,401 | 0 |
| | U.S. Department of Agriculture | Pass-Through | UNIVERSITY OF WISCONSIN-MADISON | 000000703 | 10.U00 | U.S. Department of Agriculture | 6,059 | 0 |
| | U.S. Department of Agriculture | Pass-Through | MISSISSIPPI STATE UNIVERSITY | 025075 | 10.U01 | U.S. Department of Agriculture | 4,508 | 0 |
| | Total - U.S. Department of Agriculture | | | | | | 20,949,536 | 1,172,310 |
| | U.S. Department of Commerce | Direct | | | 11.023 | Science, Technology, Engineering, and Mathematics (STEM) Talent Challenge Progra | 50,000 | 0 |
| | U.S. Department of Commerce | Direct | | | 11.303 | Economic Development_Technical Assistance | 182,854 | 92,302 |
| | U.S. Department of Commerce | Direct | | | 11.307 | Economic Adjustment Assistance | 199,130 | 52,955 |
| | U.S. Department of Commerce | Direct | | | 11.417 | Sea Grant Support | 2,865,657 | 1,432,575 |
| | U.S. Department of Commerce | Pass-Through | UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH | SUBAWD001801 | 11.431 | Climate and Atmospheric Research | 24,297 | 0 |
| | U.S. Department of Commerce | Direct | | | 11.611* | Manufacturing Extension Partnership | 3,772,040 | 229,000 |
| | U.S. Department of Commerce | Pass-Through | MISSOURI ENTERPRISE | 21101569 | 11.611* | Manufacturing Extension Partnership | 3,525 | 0 |
| | | | | | Total - 11.611* | | 3,775,565 | 229,000 |
| | U.S. Department of Commerce | Direct | | | 11.619 | Arrangements for Interdisciplinary Research Infrastructure | 4,788 | 0 |
| | U.S. Department of Commerce | Direct | | 1332KP21FNEEN0020 | 11.U00 | U.S. Department of Commerce | 470,767 | 0 |
| | Total - U.S. Department of Commerce | | | | | | 7,573,058 | 1,806,832 |
| | U.S. Department of Defense | Direct | | | 12.300 | Basic and Applied Scientific Research | 51,087 | 0 |

* denotes major programs
The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------|--|--------------|--------------------------------------|--------------------------|-----------------------|--|----------------------|---------------------------|
| | U.S. Department of Defense | Direct | | | 12.617 | Economic Adjustment Assistance for State Governments | 697,820 | 0 |
| | U.S. Department of Defense | Pass-Through | UNIVERSITY OF MICHIGAN | SUBK00011356 | 12.617 | Economic Adjustment Assistance for State Governments | -4 | 0 |
| | | | | | Total - 12.617 | | 697,816 | 0 |
| | U.S. Department of Defense | Pass-Through | HENRY M JACKSON FOUNDATION | 66033-5106 | 12.750 | Uniformed Services University Medical Research Projects | 2 | 0 |
| | U.S. Department of Defense | Pass-Through | HENRY M JACKSON FOUNDATION | 5635 | 12.750 | Uniformed Services University Medical Research Projects | 366,054 | 0 |
| | U.S. Department of Defense | Pass-Through | HENRY M JACKSON FOUNDATION | 5636 | 12.750 | Uniformed Services University Medical Research Projects | 36,023 | 0 |
| | U.S. Department of Defense | Pass-Through | HENRY M JACKSON FOUNDATION | 5797 | 12.750 | Uniformed Services University Medical Research Projects | 33,568 | 0 |
| | U.S. Department of Defense | Pass-Through | HENRY M JACKSON FOUNDATION | 5798 | 12.750 | Uniformed Services University Medical Research Projects | 82,423 | 0 |
| | | | | | Total - 12.750 | | 518,070 | 0 |
| | U.S. Department of Defense | Direct | | | 12.800 | Air Force Defense Research Sciences Program | 33,434 | 0 |
| | U.S. Department of Defense | Direct | | | 12.903 | GenCyber Grants Program | 73,779 | 0 |
| | U.S. Department of Defense | Direct | | | 12.905 | CyberSecurity Core Curriculum | 2,078,543 | 929,807 |
| | U.S. Department of Defense | Direct | | CONTRACTF41999-20-D-0001 | 12.U00 | U.S. Department of Defense | 624,713 | 0 |
| | U.S. Department of Defense | Pass-Through | EXO-ATMOSPHERIC TECHNOLOGIES LLC | 190620-1 | 12.U01 | U.S. Department of Defense | 1,527 | 0 |
| | U.S. Department of Defense | Direct | | F1SRQ21092M002 | 12.U02 | U.S. Department of Defense | 49,906 | 0 |
| | U.S. Department of Defense | Pass-Through | HYSONIC TECHNOLOGIES, LLC | 21089929 | 12.U03 | U.S. Department of Defense | 55,270 | 0 |
| | U.S. Department of Defense | Pass-Through | TEXAS ENGINEERING EXPERIMENT STATION | 22014388 | 12.U04 | U.S. Department of Defense | 25,000 | 0 |
| | U.S. Department of Defense | Direct | | F1SRQ21287M001 | 12.U05 | U.S. Department of Defense | 7,882 | 0 |
| | U.S. Department of Defense | Pass-Through | GHKN ENGINEERING, LLC | 22079030 | 12.U06 | U.S. Department of Defense | 31,783 | 0 |
| | U.S. Department of Defense | Direct | | 131221-1 | 12.U07 | U.S. Department of Defense | 8,191 | 0 |
| | Total - U.S. Department of Defense | | | | | | 4,257,001 | 929,807 |
| | Housing & Urban Development | Pass-Through | FORT WAYNE, CITY OF | CO# 175PF193-5369-3067 | 14.272 | National Disaster Resilience Competition | 23,009 | 0 |
| | Total - Housing & Urban Development | | | | | | 23,009 | 0 |
| | U.S. Department of Interior | Direct | | 140G0320P0096 | 15.U00 | U.S. Department of Interior | 3 | 0 |
| | Total - U.S. Department of Interior | | | | | | 3 | 0 |
| | U.S. Department of Justice | Direct | | | 16.839 | STOP School Violence | 166,428 | 0 |
| | Total - U.S. Department of Justice | | | | | | 166,428 | 0 |
| | U.S. Department of Labor | Direct | | | 17.268 | H-1B Job Training Grants | 1,380,605 | 606,323 |
| | U.S. Department of Labor | Direct | | | 17.502 | Occupational Safety and Health_Susan Harwood Training Grants | 24,654 | 0 |
| | Total - U.S. Department of Labor | | | | | | 1,405,259 | 606,323 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------|--|--------------|---|------------------------|-----------------------|---|----------------------|---------------------------|
| | U.S. Department of State | Pass-Through | INTERNATIONAL RESEARCH & EXCHANGE BOARD | FY20-YALI-BE-PU-03 | 19.009 | Academic Exchange Programs - Undergraduate Programs | 103,777 | 0 |
| | U.S. Department of State | Pass-Through | INTERNATIONAL RESEARCH & EXCHANGE BOARD | FY22-YALI-BE-PU-04 | 19.009 | Academic Exchange Programs - Undergraduate Programs | 57,390 | 0 |
| | | | | | Total - 19.009 | | 161,167 | 0 |
| | U.S. Department of State | Direct | | | 19.021 | Investing in People in The Middle East and North Africa | 96,952 | 0 |
| | U.S. Department of State | Direct | | | 19.040 | Public Diplomacy Programs | 130 | 0 |
| | U.S. Department of State | Direct | | | 19.415 | Professional Exchanges_Annual Open Grant | 156,226 | 0 |
| | U.S. Department of State | Direct | | | 19.501 | Public Diplomacy Programs for Afghanistan and Pakistan | -1,451 | 0 |
| | U.S. Department of State | Pass-Through | AMERICAN COUNCILS FOR INTNL EDUC | SUZ800-18-CA-0001 | 19.900 | AEECA/ESF PD Programs | 38,784 | 11,800 |
| | U.S. Department of State | Direct | | 100820A0336 | 19.U00 | U.S. Department of State | 4 | 0 |
| | Total - U.S. Department of State | | | | | | 451,812 | 11,800 |
| | U.S. Department of Transportation | Direct | | | 20.106 | Airport Improvement Program | 706,580 | 0 |
| | U.S. Department of Transportation | Direct | | | 20.215 | Highway Training and Education | 6,537 | 0 |
| | U.S. Department of Transportation | Direct | | DTFACT-13-D-00010 0005 | 20.U00 | U.S. Department of Transportation | 26,070 | 0 |
| | Total - U.S. Department of Transportation | | | | | | 739,187 | 0 |
| | National Aeronautics & Space Administration | Direct | | | 43.001 | Science | 186,621 | 0 |
| | National Aeronautics & Space Administration | Direct | | | 43.008 | Education | 531,810 | 217,616 |
| | National Aeronautics & Space Administration | Direct | | | 43.012 | Space Technology | 517,403 | 0 |
| | National Aeronautics & Space Administration | Direct | | 80NSSC19P0397 | 43.U00 | National Aeronautics & Space Administration | 923 | 0 |
| | National Aeronautics & Space Administration | Pass-Through | IN SPACE, LLC | NTPINS-41703-2 | 43.U01 | National Aeronautics & Space Administration | -303 | 0 |
| | National Aeronautics & Space Administration | Pass-Through | ROCKET PROPULSION SYSTEMS LLC | 20067514 | 43.U02 | National Aeronautics & Space Administration | 95,633 | 0 |
| | National Aeronautics & Space Administration | Direct | | 20112446 | 43.U03 | National Aeronautics & Space Administration | 77,530 | 0 |
| | National Aeronautics & Space Administration | Pass-Through | STENNIS SPACE CENTER | 80NSSC20P2088 | 43.U04 | National Aeronautics & Space Administration | 39,232 | 0 |
| | National Aeronautics & Space Administration | Pass-Through | ANALYTICAL MECHANICS ASSOC, INC | T3-0546-FY21 | 43.U05 | National Aeronautics & Space Administration | 25,004 | 0 |
| | National Aeronautics & Space Administration | Pass-Through | ANALYTICAL MECHANICS ASSOC, INC | T3-0583-FY21 | 43.U06 | National Aeronautics & Space Administration | 357,937 | 0 |
| | National Aeronautics & Space Administration | Pass-Through | ANALYTICAL MECHANICS ASSOC, INC | T3-0584-FY21 | 43.U07 | National Aeronautics & Space Administration | 239,273 | 0 |
| | National Aeronautics & Space Administration | Direct | | 80NSSC21K1643 | 43.U08 | National Aeronautics & Space Administration | 39,255 | 0 |
| | National Aeronautics & Space Administration | Pass-Through | OLD DOMINION UNIV RESEARCH FDN | 21112656 | 43.U09 | National Aeronautics & Space Administration | 9,000 | 0 |
| | National Aeronautics & Space Administration | Pass-Through | ULTRAMET | P.O. NO. 18634 | 43.U10 | National Aeronautics & Space Administration | 33,481 | 0 |
| | National Aeronautics & Space Administration | Direct | | 80NSSC21K1629 | 43.U11 | National Aeronautics & Space Administration | 39,827 | 0 |
| | National Aeronautics & Space Administration | Direct | | 80NSSC22PA046 | 43.U12 | National Aeronautics & Space Administration | 51,087 | 0 |

* denotes major programs

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------|---|--------------|-------------------------------------|--------------------------|-----------------------|--|----------------------|---------------------------|
| | National Aeronautics & Space Administration | Pass-Through | ANALYTICAL MECHANICS ASSOC, INC | T3-0651-FY22 | 43.U13 | National Aeronautics & Space Administration | 38,013 | 0 |
| | National Aeronautics & Space Administration | Pass-Through | FRONTIER AEROSPACE CORPORATION | 22090356 | 43.U14 | National Aeronautics & Space Administration | 10,203 | 0 |
| | Total - National Aeronautics & Space Administration | | | | | | 2,291,929 | 217,616 |
| | National Endowment for the Arts & Humanities | Direct | | | 45.129 | Promotion of the Humanities_Federal/State Partnership | 3,000 | 0 |
| | National Endowment for the Arts & Humanities | Direct | | | 45.160 | Promotion of the Humanities_Fellowships and Stipends | -71,845 | 0 |
| | National Endowment for the Arts & Humanities | Direct | | | 45.161 | Promotion of the Humanities_Research | 107,907 | 0 |
| | National Endowment for the Arts & Humanities | Direct | | | 45.162 | Promotion of the Humanities_Teaching and Learning Resources and Curriculum Devel | 12,330 | 0 |
| | National Endowment for the Arts & Humanities | Direct | | | 45.313 | Laura Bush 21st Century Librarian Program | 111,493 | 32,145 |
| | National Endowment for the Arts & Humanities | Direct | | 20-8126 | 45.U00 | National Endowment for the Arts & Humanities | 286 | 0 |
| | Total - National Endowment for the Arts & Humanities | | | | | | 163,171 | 32,145 |
| | Small Business Administration | Pass-Through | IN ECONOMIC DEVELOPMENT CORPORATION | 20089753 | 59.037 | Small Business Development Center | -5,924 | 0 |
| | Small Business Administration | Pass-Through | IN ECONOMIC DEVELOPMENT CORPORATION | 21068542 | 59.037 | Small Business Development Center | 103,862 | 0 |
| | Small Business Administration | Pass-Through | IN ECONOMIC DEVELOPMENT CORPORATION | 21090667 | 59.037 | Small Business Development Center | 76,515 | 0 |
| | Small Business Administration | Pass-Through | IN ECONOMIC DEVELOPMENT CORPORATION | 21090669 | 59.037 | Small Business Development Center | 94,169 | 0 |
| | Small Business Administration | Pass-Through | OFFICE OF SMALL BUSINESS & ENTRSHIP | A229-0-SBA-1021 | 59.037 | Small Business Development Center | -166 | 0 |
| | Small Business Administration | Pass-Through | IN ECONOMIC DEVELOPMENT CORPORATION | A229-0-SBA-1038 | 59.037 | Small Business Development Center | 100,062 | 0 |
| | Small Business Administration | Pass-Through | IN ECONOMIC DEVELOPMENT CORPORATION | A229-1-SBA-1061 | 59.037 | Small Business Development Center | 73,467 | 0 |
| | Small Business Administration | Pass-Through | IN ECONOMIC DEVELOPMENT CORPORATION | A229-1-SBA-1071 | 59.037 | Small Business Development Center | 94,677 | 0 |
| | Small Business Administration | Pass-Through | IN ECONOMIC DEVELOPMENT CORPORATION | A229-2-SBA-1069 | 59.037 | Small Business Development Center | 116,267 | 0 |
| | Small Business Administration | Pass-Through | IN ECONOMIC DEVELOPMENT CORPORATION | CARES ACT SBAHQ20C0040 | 59.037 | Small Business Development Center | 24,637 | 0 |
| | Small Business Administration | Pass-Through | IN ECONOMIC DEVELOPMENT CORPORATION | CARESACT A229-1-SBA-1040 | 59.037 | Small Business Development Center | 118,019 | 19 |
| | Small Business Administration | Pass-Through | IN ECONOMIC DEVELOPMENT CORPORATION | EDS A229-2-SBA-1063 | 59.037 | Small Business Development Center | 33,265 | 0 |
| | | | | | Total - 59.037 | | 828,850 | 19 |
| | Small Business Administration | Direct | | | 59.075 | Shuttered Venue Operators Grant Program | 625,637 | 0 |
| | Total - Small Business Administration | | | | | | 1,454,487 | 19 |
| | Department of Veterans Affairs | Direct | | 583C20272 | 64.U00 | Department of Veteran's Affairs | 79,288 | 0 |
| | Total - Department of Veterans Affairs | | | | | | 79,288 | 0 |
| | Environmental Protection Agency | Direct | | | 66.436 | Surveys, Studies, Investigations, Demonstrations, and Training Grants and Cooper | 38,557 | 0 |
| | Environmental Protection Agency | Pass-Through | IN DEPARTMENT OF ENVIRONMENTAL MGMT | CONTRACT ID 23109 | 66.460 | Nonpoint Source Implementation Grants | -115 | 0 |
| | Environmental Protection Agency | Pass-Through | UNIVERSITY OF WISCONSIN-MADISON | SUBAWARD 0000001458 | 66.475 | Gulf of Mexico Program | 18,149 | 0 |

* denotes major programs
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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|------------------------------|--|--------------|-------------------------------------|-------------------|-----------------------|--|----------------------|---------------------------|
| | Environmental Protection Agency | Direct | | | 66.700 | Consolidated Pesticide Enforcement Cooperative Agreements | 757,811 | 0 |
| | Environmental Protection Agency | Pass-Through | IN DEPARTMENT OF ENVIRONMENTAL MGMT | CONTRACT #38626 | 66.708 | Pollution Prevention Grants Program | 6,141 | 0 |
| | Environmental Protection Agency | Pass-Through | IN DEPARTMENT OF ENVIRONMENTAL MGMT | CONTRACT #58554 | 66.708 | Pollution Prevention Grants Program | 3,655 | 0 |
| | | | | | Total - 66.708 | | 9,796 | 0 |
| | Total - Environmental Protection Agency | | | | | | 824,198 | 0 |
| | Nuclear Regulatory Commission | Direct | | | 77.008 | Nuclear Regulatory Commission Scholarship & Fellowship Program | 306,249 | 0 |
| | Total - Nuclear Regulatory Commission | | | | | | 306,249 | 0 |
| | U.S. Department of Energy | Direct | | | 81.121 | Nuclear Energy Research, Development and Demonstration | 87,858 | 0 |
| | U.S. Department of Energy | Pass-Through | UNIVERSITY OF KENTUCKY | 3200001517-18-076 | 81.086 | U.S. Department of Energy | -1,101 | 0 |
| | U.S. Department of Energy | Pass-Through | LOS ALAMOS NATIONAL LABORATORY | 624154 | 81.U00 | U.S. Department of Energy | 4,373 | 0 |
| | U.S. Department of Energy | Pass-Through | LOS ALAMOS NATIONAL LABORATORY | 629842 | 81.U01 | U.S. Department of Energy | 8,859 | 0 |
| | Total - U.S. Department of Energy | | | | | | 99,989 | 0 |
| TRIO Cluster* | U.S. Department of Education | Direct | | | 84.042 | TRIO_Student Support Services | 918,932 | 0 |
| TRIO Cluster* | U.S. Department of Education | Direct | | | 84.044 | TRIO_Talent Search | 935,669 | 0 |
| TRIO Cluster* | U.S. Department of Education | Direct | | | 84.047 | TRIO_Upward Bound | 1,401,522 | 0 |
| TRIO Cluster* | U.S. Department of Education | Direct | | | 84.217A | TRIO_McNair Post-Baccalaureate Achievement | 352,099 | 0 |
| Total - TRIO Cluster* | | | | | | | 3,608,222 | 0 |
| | U.S. Department of Education | Direct | | | 84.200 | Graduate Assistance in Areas of National Need | -20,150 | 0 |
| | U.S. Department of Education | Direct | | | 84.206 | Javits Gifted and Talented Students Education Grant Program | 451,543 | 0 |
| | U.S. Department of Education | Direct | | | 84.334 | Gaining Early Awareness and Readiness for Undergraduate Programs | 2,987,142 | 608,245 |
| | U.S. Department of Education | Direct | | | 84.336 | Teacher Quality Enhancement Grants | 506,866 | 0 |
| | U.S. Department of Education | Pass-Through | IN DEPARTMENT OF EDUCATION | CONTRACT# 43709 | 84.367 | Improving Teacher Quality State Grants | 309,128 | 0 |
| | U.S. Department of Education | Pass-Through | IN DEPARTMENT OF EDUCATION | CONTRACT# 47253 | 84.367 | Improving Teacher Quality State Grants | 33,180 | 0 |
| | | | | | Total - 84.367 | | 342,308 | 0 |
| | U.S. Department of Education | Pass-Through | IN DEPARTMENT OF EDUCATION | CONTRACT #48827 | 84.425C* | COVID-19 Governors Emergency Education Relief Fund | 809,446 | 0 |
| | U.S. Department of Education | Direct | | | 84.425E* | COVID-19 Higher Education Emergency Relief Fund | 48,017,992 | 0 |
| | U.S. Department of Education | Direct | | | 84.425F* | COVID-19 Higher Education Emergency Relief Fund | 48,039,430 | 0 |
| | U.S. Department of Education | Direct | | | 84.425M* | COVID-19 Higher Education Emergency Relief Fund | 839,151 | 0 |
| | U.S. Department of Education | Pass-Through | IN DEPARTMENT OF EDUCATION | CONTRACT # 61754 | 84.425U* | COVID-19 Elementary and Secondary School Emergency Relief | 68,525 | 0 |
| | U.S. Department of Education | Pass-Through | INDIANA UNIVERSITY | 4228746 | 84.U00 | U.S. Department of Education | 451 | 0 |

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|---|---|--------------|-------------------------------------|-----------------------|------------------------|--|----------------------|---------------------------|
| | U.S. Department of Education | Direct | | ANTH 523 | 84.U01 | U.S. Department of Education | 391 | 0 |
| | Total - U.S. Department of Education | | | | | | 105,651,317 | 608,245 |
| Health Center Program Cluster* | U.S. Department of Health & Human Services | Direct | | | 93.224* | Consolidated Health Centers (Community Health Centers, Migrant Health Centers, H | 3,189,370 | 0 |
| Total - Health Center Program Cluster* | | | | | | | 3,189,370 | 0 |
| Medicaid Cluster | U.S. Department of Health & Human Services | Pass-Through | IN FAMILY & SOCIAL SERVICES ADMIN | CONTRACT# 18963 | 93.778 | Medical Assistance Program | 566,502 | 0 |
| Total - Medicaid Cluster | | | | | | | 566,502 | 0 |
| | U.S. Department of Health & Human Services | Direct | | | 93.103 | Food and Drug Administration_Research | 36,219 | 0 |
| | U.S. Department of Health & Human Services | Pass-Through | IN STATE DEPARTMENT OF HEALTH | CONTRACT #00062380 | 93.103 | Food and Drug Administration_Research | 11,889 | 0 |
| | U.S. Department of Health & Human Services | Pass-Through | IN STATE DEPARTMENT OF HEALTH | CONTRACT #56495 | 93.103 | Food and Drug Administration_Research | 4,878 | 0 |
| | U.S. Department of Health & Human Services | Pass-Through | IN STATE DEPARTMENT OF HEALTH | CONTRACT #57504 | 93.103 | Food and Drug Administration_Research | 19,993 | 0 |
| | U.S. Department of Health & Human Services | Pass-Through | IN STATE DEPARTMENT OF HEALTH | CONTRACT ID#30149 | 93.103 | Food and Drug Administration_Research | -16,898 | 0 |
| | U.S. Department of Health & Human Services | Pass-Through | NATNL INST FOR PHRMCTCL TECH & EDUC | NIPTE-U01-PU-2022-001 | 93.103 | Food and Drug Administration_Research | 4,432 | 0 |
| | | | | | Total - 93.103 | | 60,513 | 0 |
| | U.S. Department of Health & Human Services | Pass-Through | IN STATE DEPARTMENT OF HEALTH | CONTRACT NO 52867 | 93.136 | Injury Prevention and Control Research and State and Community Based Programs | 57,033 | 0 |
| | U.S. Department of Health & Human Services | Pass-Through | IN STATE DEPARTMENT OF HEALTH | CONTRACT# 61735 | 93.136 | Injury Prevention and Control Research and State and Community Based Programs | 28,244 | 0 |
| | | | | | Total - 93.136 | | 85,277 | 0 |
| | U.S. Department of Health & Human Services | Direct | | | 93.137 | Community Programs to Improve Minority Health Grant Program | 26,470 | 15,000 |
| | U.S. Department of Health & Human Services | Pass-Through | IN STATE OFFICE OF RURAL HEALTH | CONTRACT #47471 | 93.241 | State Rural Hospital Flexibility Program | 10,937 | 0 |
| | U.S. Department of Health & Human Services | Pass-Through | IN STATE OFFICE OF RURAL HEALTH | CONTRACT #57361 | 93.241 | State Rural Hospital Flexibility Program | 81,472 | 0 |
| | | | | | Total - 93.241 | | 92,409 | 0 |
| | U.S. Department of Health & Human Services | Direct | | | 93.243 | Substance Abuse and Mental Health Services_Projects of Regional and National Sig | 31,627 | 0 |
| | U.S. Department of Health & Human Services | Direct | | | 93.247 | Advanced Education Nursing Grant Program | 698,977 | 60,416 |
| | U.S. Department of Health & Human Services | Direct | | | 93.262 | Occupational Safety and Health Program | 152,942 | 0 |
| | U.S. Department of Health & Human Services | Pass-Through | HEALTH CARE EDUCATION-TRAINING INC | 21047118 | 93.297 | Teenage Pregnancy Prevention Program | 4,201 | 0 |
| | U.S. Department of Health & Human Services | Pass-Through | IN STATE DEPARTMENT OF HEALTH | CONTRACT # 60019 | 93.391* | Activities to Support (STLT) Health Department Response to Public Health | 357 | 0 |
| | U.S. Department of Health & Human Services | Pass-Through | IN STATE DEPARTMENT OF HEALTH | CONTRACT #55180 | 93.391* | Activities to Support (STLT) Health Department Response to Public Health | 3,479,722 | 40,257 |
| | U.S. Department of Health & Human Services | Pass-Through | IN STATE DEPARTMENT OF HEALTH | CONTRACT #6224 | 93.391* | Activities to Support (STLT) Health Department Response to Public Health | 49,879 | 0 |
| | | | | | Total - 93.391* | | 3,529,958 | 40,257 |
| | U.S. Department of Health & Human Services | Pass-Through | IN STATE DEPARTMENT OF HEALTH | CONTRACT# 32251 | 93.426 | Improving the Health of Americans through Prevention and Management of Diabetes | -30,459 | 0 |
| | U.S. Department of Health & Human Services | Pass-Through | IN STATE DEPARTMENT OF HEALTH | CONTRACT #44744 | 93.426 | Improving the Health of Americans through Prevention and Management of Diabetes | 75,542 | 0 |

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Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|----------|---|--------------|-----------------------------------|-------------------------|-----------------------|--|----------------------|---------------------------|
| | | | | | Total - 93.426 | | 45,063 | 0 |
| | U.S. Department of Health & Human Services | Direct | | | 93.526 | Affordable Care Act (ACA) Grants for Capital Development in Health Centers | 69,523 | 0 |
| | U.S. Department of Health & Human Services | Pass-Through | IN FAMILY & SOCIAL SERVICES ADMIN | GRANT ID: 46898 | 93.788 | Opioid STR | 492,671 | 0 |
| | U.S. Department of Health & Human Services | Direct | | | 93.912 | Rural Health Care Services Outreach and Rural Health Network Development Program | 256,397 | 38,151 |
| | U.S. Department of Health & Human Services | Pass-Through | INDIANA UNIVERSITY | 9017 | 93.912 | Rural Health Care Services Outreach and Rural Health Network Development Program | 9,333 | 0 |
| | | | | | Total - 93.912 | | 265,730 | 38,151 |
| | U.S. Department of Health & Human Services | Direct | | IPA - J NWABUEZE | 93.U00 | U.S. Department of Health & Human Services | 888 | 0 |
| | U.S. Department of Health & Human Services | Direct | | IPA - MINH TRI TRAN | 93.U01 | U.S. Department of Health & Human Services | 13,583 | 0 |
| | U.S. Department of Health & Human Services | Direct | | HHSF223201610019C | 93.U02 | U.S. Department of Health & Human Services | 73,623 | 0 |
| | U.S. Department of Health & Human Services | Direct | | 20112138 | 93.U03 | U.S. Department of Health & Human Services | 16,393 | 0 |
| | U.S. Department of Health & Human Services | Direct | | IPA - KATHRYN COMANICI | 93.U04 | U.S. Department of Health & Human Services | 1,792 | 0 |
| | U.S. Department of Health & Human Services | Direct | | IPA - SHANNON ALEXANDER | 93.U05 | U.S. Department of Health & Human Services | 33,333 | 0 |
| | U.S. Department of Health & Human Services | Direct | | IPA - ANES KARIC | 93.U06 | U.S. Department of Health & Human Services | 12,751 | 0 |
| | U.S. Department of Health & Human Services | Direct | | IPA- JOEL NICOLAS | 93.U07 | U.S. Department of Health & Human Services | 19,461 | 0 |
| | U.S. Department of Health & Human Services | Direct | | HHSF223201810131C | 93.U08 | U.S. Department of Health & Human Services | 23,891 | 0 |
| | U.S. Department of Health & Human Services | Direct | | HHSF223201850066A | 93.U09 | U.S. Department of Health & Human Services | 39,300 | 0 |
| | U.S. Department of Health & Human Services | Direct | | 21024825 | 93.U10 | U.S. Department of Health & Human Services | 3,625 | 0 |
| | U.S. Department of Health & Human Services | Direct | | HHSF223201850066A | 93.U11 | U.S. Department of Health & Human Services | 52,938 | 0 |
| | U.S. Department of Health & Human Services | Direct | | 21112239 | 93.U12 | U.S. Department of Health & Human Services | 33,043 | 0 |
| | Total - U.S. Department of Health & Human Services | | | | | | 9,635,874 | 153,824 |
| | AmeriCorps | Pass-Through | IN DEPT OF WORKFORCE DEVELOPMENT | 56405 | 94.006 | AmeriCorps | 76,683 | 0 |
| | AmeriCorps | Pass-Through | IN DEPT OF WORKFORCE DEVELOPMENT | CONTRACT #57030 | 94.006 | AmeriCorps | 73,024 | 0 |
| | AmeriCorps | Pass-Through | IN DEPT OF WORKFORCE DEVELOPMENT | CONTRACT NO 53376 | 94.006 | AmeriCorps | 676 | 0 |
| | AmeriCorps | Pass-Through | SERVE INDIANA | CONTRACT NO 53376 | 94.006 | AmeriCorps | -568 | 0 |
| | | | | | Total - 94.006 | | 149,815 | 0 |
| | Total - AmeriCorps | | | | | | 149,815 | 0 |
| | U.S. Department of Homeland Security | Direct | | | 97.005 | State and Local Homeland Security Training Program | 511,063 | 115,789 |
| | Total - U.S. Department of Homeland Security | | | | | | 511,063 | 115,789 |
| | Agency for International Development | Direct | | | 98.001 | USAID Foreign Assistance for Programs Overseas | 3,847,913 | 1,589,013 |
| | Agency for International Development | Pass-Through | PUBLIC HEALTH INSTITUTE | 02155 | 98.001 | USAID Foreign Assistance for Programs Overseas | 39,456 | 0 |

Purdue University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2022

| Clusters | Federal Grantor | Type | Pass-Through Grantor | Award Identifier | ALN | ALN Program Title | Federal Expenditures | Subrecipient Expenditures |
|-------------------------------|---|--------------|--------------------------------------|--------------------|-----------------------|---|----------------------|---------------------------|
| | Agency for International Development | Pass-Through | UNIV OF ILLINOIS AT CHAMPAIGN-URBANA | 072112-18044 | 98.001 | USAID Foreign Assistance for Programs Overseas | 28,842 | 0 |
| | Agency for International Development | Pass-Through | TUFTS UNIVERSITY | 104042 | 98.001 | USAID Foreign Assistance for Programs Overseas | 9,785 | 0 |
| | Agency for International Development | Pass-Through | KANSAS STATE UNIVERSITY | A00-0868-S020 | 98.001 | USAID Foreign Assistance for Programs Overseas | 81,949 | 0 |
| | Agency for International Development | Pass-Through | TUFTS UNIVERSITY | AID-QAA-L-10-00006 | 98.001 | USAID Foreign Assistance for Programs Overseas | 33,352 | 0 |
| | Agency for International Development | Pass-Through | U.S. PHARMACOPEIA | PQM+-21-11 | 98.001 | USAID Foreign Assistance for Programs Overseas | 21,736 | 0 |
| | Agency for International Development | Pass-Through | OREGON STATE UNIVERSITY | RD011G-D | 98.001 | USAID Foreign Assistance for Programs Overseas | 10 | 0 |
| | Agency for International Development | Pass-Through | KANSAS STATE UNIVERSITY | S19170 | 98.001 | USAID Foreign Assistance for Programs Overseas | 135,917 | 0 |
| | Agency for International Development | Pass-Through | KANSAS STATE UNIVERSITY | S19172 | 98.001 | USAID Foreign Assistance for Programs Overseas | 35,749 | 0 |
| | Agency for International Development | Pass-Through | KANSAS STATE UNIVERSITY | S19186 | 98.001 | USAID Foreign Assistance for Programs Overseas | 104,108 | 70,117 |
| | Agency for International Development | Pass-Through | PARTNERS OF THE AMERICAS INC | SG-2020-1 | 98.001 | USAID Foreign Assistance for Programs Overseas | 142,364 | 38,839 |
| | | | | | Total - 98.001 | | 4,481,181 | 1,697,969 |
| | Agency for International Development | Pass-Through | UNIV NACIONAL AGRARIA LA MOLINA | 7200AA21CA00030 | 98.012 | USAID Development Partnerships for University Cooperation and Development | 104,998 | 0 |
| | Agency for International Development | Pass-Through | RUTGERS, THE STATE UNIVERSITY | 5736 | 98.U00 | Agency for International Development | 7 | 0 |
| | Agency for International Development | Direct | | 720BHA21CA00012 | 98.U01 | Agency for International Development | 116,878 | 65,702 |
| | Agency for International Development | Pass-Through | FLORIDA INTERNATIONAL UNIVERSITY | 000447 | 98.U02 | Agency for International Development | 79,405 | 0 |
| | Agency for International Development | Direct | | 20220114 | 98.U03 | Agency for International Development | 28,995 | 0 |
| | Total - Agency for International Development | | | | | | 4,811,464 | 1,763,671 |
| Total - Other Programs | | | | | | | 161,544,137 | 7,418,381 |
| Grand Total | | | | | | | 723,117,941 | 54,385,695 |

PURDUE UNIVERSITY
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
June 30, 2022

Note 1. Basis of Presentation

The accompanying Schedule of Expenditures of Federal Awards (Schedule) includes the federal award activity of Purdue University (University). 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 (Uniform Guidance). Because the Schedule presents only a selective portion of the activities of the University, it is not intended to and does not present the financial position, change in financial position, or cash flows of the University.

Note 2. Summary of Significant Accounting Policies

Expenditures reported on the Schedule are reported on a modified cash basis of accounting. Such expenditures are recognized following the cost principles contained in Title 2 U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance), wherein certain types of expenditures are not allowable or are limited as to reimbursement. Under modified cash basis, the University considers an award expended when certain events related to the award occur. These include:

- Date of work being performed for payroll related transactions
- Receipt of goods for those ordered via a purchase order; generally all goods are required to be purchased via a purchase order except for small dollars approved for purchasing card processing
- Use of loan proceeds under loan and loan guarantee programs
- Disbursement of funds to sub recipients
- Receipt or use of program income
- Payment for other supplies and expenses
- A portion of costs associated with general University activities that are allocated to certain federal awards under negotiated formulas commonly referred to as facilities and administrative rates and assessed for applicable underlying expense

As a result of these criteria, some amounts presented in the Schedule may differ from amounts presented in, or used in the preparation of the University's basic financial statements which are prepared on an accrual basis of accounting.

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 identifying numbers are presented when available.

The University did not elect to use the 10% de minimus indirect cost rate allowed under the Uniform Guidance.

PURDUE UNIVERSITY
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
June 30, 2022
(Continued)

Note 3. Federal Student Loan Programs

The University considers the federal capital contribution of federally sponsored student loan programs as a liability. Balances of loan advances and 2021-22 federal capital contributions were:

| | |
|--|---------------------|
| Balance, July 1, 2021 | \$ 4,895,959 |
| Net Federal Capital Contributions: Federal Perkins Loan Program | <u>(2,994,260)</u> |
| Balance, June 30, 2022 | \$ <u>1,901,699</u> |

Gross student notes receivable outstanding as of June 30, 2022 were:

| <u>Program Title</u> | <u>Federal ALN Number</u> | <u>Amount</u> |
|----------------------------------|---------------------------|---------------------|
| Federal Perkins Loan Program | 84.038 | \$ 6,446,928 |
| Health Professions Student Loans | 93.342 | <u>3,295,276</u> |
| Total Student Notes Receivable | | \$ <u>9,742,204</u> |

Note 4. Federal Direct Loan Program

The University participates in the Federal Direct Loan Program, which facilitates direct borrowing for students and parents from the Federal Government. During the fiscal year ended June 30, 2022, the University had the following gross loan activity related to new loans under this program:

| <u>Program</u> | <u>Federal ALN Number</u> | <u>Number of Loans Issued</u> | <u>Amount</u> |
|------------------------|---------------------------|-------------------------------|-----------------------|
| Federal Stafford Loans | 84.268 | 23,795 | \$125,539,679 |
| Federal PLUS Loans | 84.268 | <u>2,373</u> | <u>40,352,080</u> |
| Totals | | <u>26,168</u> | \$ <u>165,891,759</u> |

PURDUE UNIVERSITY
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
June 30, 2022
(Continued)

Note 5. Adjustments and Transfers

As allowable and in accordance with federal regulations issued by the U.S. Department of Education, the University transferred \$608,616 of Federal Work-Study Program (ALN 84.033) funds to the Federal Supplemental Educational Opportunity Grant (ALN 84.007).

The University carried forward \$71,587 of the 2021-2022 Federal Work-Study Program (ALN 84.033) funds to provide aid to students in 2022-2023. In addition, the University carried forward \$93,469 of the 2020-2021 Federal Work-Study Program funds to provide aid to students in 2021-2022.

Note 6. Assistance Listing Numbers

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

Schedule of Findings and Questioned Costs

Year Ended June 30, 2022

Section I - Summary of Auditor's Results

Financial Statements

Type of auditor's report issued:

Unmodified

Internal control over financial reporting:

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

Federal Awards

Internal control over major programs:

- Material weakness(es) identified? X Yes _____ No
- Significant deficiency(ies) identified that are not considered to be material weaknesses? X Yes _____ None reported
- Any audit findings disclosed that are required to be reported in accordance with Section 2 CFR 200.516(a)? X Yes _____ No

Identification of major programs:

| ALN | Name of Federal Program or Cluster | Opinion |
|---------|---|------------|
| Various | Student Financial Assistance Cluster | Unmodified |
| 11.611 | Manufacturing Extension Partnership | Unmodified |
| 93.391 | Activities to Support (STLT) Health Department Response to Public Health or Healthcare Crises | Unmodified |
| 93.224 | Health Center Program Cluster | Unmodified |
| 84.425 | COVID-19 Education Stabilization Fund | Unmodified |
| Various | TRIO Cluster | Unmodified |

Dollar threshold used to distinguish between type A and type B programs:

\$3,000,000

Auditee qualified as low-risk auditee?

_____ Yes X No

Section II - Financial Statement Audit Findings

Current Year None

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings

| Reference Number | Finding |
|------------------|--|
| 2022-001 | <p>Assistance Listing Number, Federal Agency, and Program Name</p> <p>Federal Agency: Department of Education Federal Programs: Federal Supplemental Educational Opportunity Grants (FSEOG), Federal Pell Grant Program, Federal Direct Student Loans Assistance Listing Numbers: 84.007, 84.063, 84.268</p> <p>Finding Type - Significant deficiency</p> <p>Repeat Finding - Yes</p> <p>2021-004</p> <p>Criteria</p> <p>34 CFR 668.173 states in part that there is a timely return of Title IV, HEA program funds in accordance with procedures established by the secretary or FFEL Program lender if an institution initiates an electronic funds transfer (EFT) or issues a check no later than 45 days after the date it determines that the student withdrew.</p> <p>Condition</p> <p>Special Tests and Provisions - Return of Title IV Funds</p> <p>The Purdue Fort Wayne (PFW) campus did not properly design or implement an effective internal control system to ensure compliance with requirement for timely return of funds related to the Special Tests and Provisions - Return of Title IV Funds. Specifically, there was a lack of timeliness in initiating a return of Title IV funds, causing a return to be issued more than 45 days after the date the University became aware of a student's withdrawal date.</p> <p>Questioned Costs</p> <p>There were no questioned costs identified.</p> <p>Context</p> <p>During our testing of the University's return of Title IV calculations, we noted 1 out of 13 students tested at the Purdue Fort Wayne campus (1 out of 40 students total tested) had return of Title IV funds that were returned outside of the timeliness requirement.</p> <p>Cause and Effect</p> <p>The Purdue Fort Wayne campus experienced turnover in the student financial aid director position in the fall of 2021. The temporary lack of staff resources caused the campus to have a failure in following internal policies and resulted in an untimely return of Title IV funds exceeding 45 days after the date the University became aware of a student's withdrawal date, which was not in compliance with the established return of Title IV policy.</p> <p>Recommendation</p> <p>We recommend that the Purdue Fort Wayne campus modify its existing internal control structure to ensure returns of Title IV funds are initiated timely, regardless of staff resource constraints, to ensure compliance with the Special Tests and Provisions - Return of Title IV Funds compliance requirements.</p> |

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

| Reference Number | Finding |
|-------------------------|--|
| 2022-001 (Continued) | <p>Views of Responsible Officials and Corrective Action Plan</p> <p>The PFW office of financial aid has an established Return of Title Four Aid (R2T4) policy and underlying control structure in place to ensure compliance with the R2T4 requirements. The PFW office of financial aid will enhance its current R2T4 policy and procedure to include a step-by-step process to completing an R2T4. This will ensure that, in the absence of the assistant director of loans (who is currently responsible for R2T4 calculation completion), a succession list determining who is next in line to complete R2T4 calculations will be established to ensure these are completed in the 45-day window.</p> |

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

| Reference Number | Finding |
|------------------|--|
| 2022-002 | <p>Assistance Listing Number, Federal Agency, and Program Name</p> <p>Federal Agency: Department of Education Federal Program: COVID-19 Education Stabilization Fund Assistance Listing Number: 84.425F</p> <p>Finding Type - Significant deficiency</p> <p>Repeat Finding - No</p> <p>Criteria</p> <p>Uniform Guidance (2 CFR 200.303(a)) requires nonfederal entities receiving federal awards to establish and maintain effective internal control to reasonably ensure compliance with federal statutes, regulations, and the terms and conditions of the federal award. Effective internal controls should include procedures to ensure expenses are recorded only when purchased goods or services have been received. Costs should be determined in accordance with generally accepted accounting principles (GAAP) as described in 2 CFR Part 200.</p> <p>Condition</p> <p>The Purdue Fort Wayne campus did not have adequate controls in place to ensure invoices related to technology services were properly recorded in accordance with GAAP.</p> <p>Questioned Costs</p> <p>There were no questioned costs identified.</p> <p>Context</p> <p>During our testing of expenditures, we noted 2 out of 32 HEERF institutional portion expenditure samples tested included expenses initially recorded in the improper period and improperly included on the SEFA. The identified error was \$301,717 and was removed from the SEFA as of June 30, 2022.</p> <p>Cause and Effect</p> <p>The failure to establish an effective internal control to review technology services expenditures caused the Purdue Fort Wayne campus to improperly include expenses related to fiscal year 2023 in fiscal year 2022, which was not in compliance with generally accepting accounting principles.</p> <p>Recommendation</p> <p>We recommend that the Purdue Fort Wayne campus ensure employees receive proper training to ensure policies and procedures are followed and expenditures are recorded in the proper period.</p> |

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

| Reference Number | Finding |
|-------------------------|---|
| 2022-002 (Continued) | <p>Views of Responsible Officials and Planned Corrective Actions</p> <p>The University system, including the Purdue Fort Wayne (PFW) Campus, has internal controls and training in place related to noncatalog purchases and the review of goods receipt/invoice receipt (GRIR) discrepancies. In the case of these two purchase orders, it appears these were isolated instances where established controls were not fully implemented as designed.</p> <p>These processes will be covered in staff meetings on all campuses and procurement services will review and update noncatalog order instructions and GRIR report documentation to ensure clear guidance is given.</p> |

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

| Reference Number | Finding |
|------------------|--|
| 2022-003 | <p>Assistance Listing Number, Federal Agency, and Program Name</p> <p>Federal Agency: Department of Education Federal Program: COVID-19 Education Stabilization Fund Assistance Listing Number: 84.425F</p> <p>Finding Type - Material weakness</p> <p>Repeat Finding - Yes</p> <p>2021-003</p> <p>Criteria</p> <p>The Coronavirus Aid, Relief, and Economic Security (CARES) Act Section 18004(e) and the Coronavirus Response and Relief Supplemental Appropriations Act, 2021 Section 314(e) require an institution receiving funds under HEERF I and HEERF II to submit a report to the secretary, at such time and in such a manner as the secretary may require. American Rescue Plan Section 2003 specifies that the same terms and conditions of CRRSAA Section 314 apply to HEERF III funds. While the acts do not explicitly identify procedures by which institutions must report on their uses of HEERF grant funds, pursuant to these requirements, the Department of Education required quarterly public reporting of student portion and institutional portion awards.</p> <p>Uniform Guidance (2 CFR 200.303(a)) requires nonfederal entities receiving federal awards to establish and maintain effective internal control to reasonably ensure compliance with federal statutes, regulations, and the terms and conditions of the federal award. Effective internal controls should include procedures to ensure reports include accurate and complete information and are submitted timely.</p> <p>Condition</p> <p>The University did not properly design or implement an effective internal control system to ensure HEERF reports were properly completed and posted.</p> <p>Questioned Costs</p> <p>There were no questioned costs identified.</p> <p>Context</p> <p>During our testing, we tested one annual report and six quarterly reports submitted by the University. The Purdue Northwest (PNW) campus and Purdue Fort Wayne (PFW) campus did not comply with the HEERF student portion reporting requirement for the quarter ended December 31, 2021 and the quarter ended March 31, 2022, failing to complete quarterly reporting on their websites related to the HEERF student portion. PNW subsequently updated its website on April 10, 2022 and PFW subsequently updated its website on September 30, 2022 to report cumulative information for the HEERF student portion.</p> |

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

| Reference Number | Finding |
|-------------------------|--|
| 2022-003 (Continued) | <p>Cause and Effect</p> <p>PNW and PFW campuses had not developed a system of internal controls to ensure reports are completed timely and reviewed and submitted in accordance with HEERF reporting requirements.</p> <p>The failure to establish an effective internal control caused required reports to not be completed for PNW and PFW campuses.</p> <p>Recommendation</p> <p>We recommend the PNW and PFW campuses modify existing internal control structures to include internal controls that would ensure compliance with HEERF reporting requirements.</p> <p>Views of Responsible Officials and Planned Corrective Actions</p> <p>The PFW office of financial aid director will complete the quarterly reports, and a dual review process will be implemented to ensure accuracy. The quarterly report will be updated on the HEERF site and sent to the assistant director of enrollment and institutional scholarships to post. The information posted will be compared to the reports submitted quarterly.</p> <p>PNW acknowledges that, while it had the appropriate Institutional HERF reporting completed, they missed updating the required student portion questions and answers that get posted to the reporting webpage. Once that was discovered, it was corrected in April 2022. PNW has ensured that the process now identifies looking at both the combined (updated) reporting PDF and the questions and answers that are required to be posted to the reporting webpage.</p> |

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

| Reference Number | Finding |
|------------------|---|
| 2022-004 | <p>Assistance Listing Number, Federal Agency, and Program Name</p> <p>Federal Agency: Department of Education Federal Programs: TRIO Student Support Services, TRIO Talent Search, TRIO Upward Bound, and TRIO McNair Post-Baccalaureate Achievement Assistance Listing Numbers: 84.042, 84.044, 84.047, and 84.217</p> <p>Finding Type - Significant deficiency</p> <p>Repeat Finding - No</p> <p>Criteria</p> <p>Uniform Guidance (2 CFR 200.510(b)) requires a schedule of expenditures of federal awards (SEFA) that must provide total federal awards expended for each individual federal program and the Assistance Listing Number (ALN) or other identifying number when the Assistance Listing information is not available. For a cluster of programs, the schedule of expenditures of federal awards must also provide the total for the cluster.</p> <p>Condition</p> <p>Purdue did not have adequate controls in place to ensure the SEFA was prepared to include appropriate ALNs for each federal program and federal programs were included in the appropriate cluster.</p> <p>Questioned Costs</p> <p>There were no questioned costs identified.</p> <p>Context</p> <p>During our review of the University's SEFA, we noted one TRIO grant with expenditures of \$275,851 that were improperly included within the Research and Development cluster, rather than the TRIO cluster. The University completed an additional review of the SEFA, identifying an additional TRIO grant with expenditures of \$352,099 that were being presented under a placeholder Department of Education ALN and not properly adjusted to the proper ALN. As a result, the TRIO cluster on the SEFA was updated to reflect total expenditures of \$3,608,222, which surpassed the Type A threshold and were required to be tested as a major program. The University conducted a full review of ALNs, and, as a result, 51 ALNs were adjusted. No additional cluster changes were identified.</p> <p>Cause and Effect</p> <p>Purdue University did not have adequate processes and internal control structure in place to ensure appropriate ALNs were ultimately assigned to all grants and that all grants were included in the appropriate cluster. As a result, the TRIO cluster on the SEFA was updated to reflect total expenditures of \$3,608,222, which surpassed the Type A threshold and were required to be tested as a major program.</p> <p>Recommendation</p> <p>We recommend that the University refine its processes and modify its existing internal control structure in place to ensure appropriate ALNs are assigned to all grants and that all grants are included in the appropriate cluster.</p> |

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

| Reference Number | Finding |
|-------------------------|--|
| 2022-004 (Continued) | <p>Views of Responsible Officials and Planned Corrective Actions</p> <ul style="list-style-type: none">• A report has been created to identify all grants assigned a placeholder ALN.• This ALN report will be reviewed monthly by the senior manager of the Award Set-Up Team in Post Award to ensure all placeholder ALNs are appropriately and timely corrected once the proper ALN is known.• Annually, as the SEFA is prepared, a full review of all grants assigned a placeholder ALN will be conducted by the assistant director of Post Award and the assistant director of Research Quality Assurance and any misassigned ALNs will be appropriately corrected before the SEFA is created. |