

STATE BOARD OF ACCOUNTS
302 West Washington Street
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INDIANAPOLIS, INDIANA 46204-2769

FEDERAL COMPLIANCE AUDIT REPORT

OF

PURDUE UNIVERSITY

WEST LAFAYETTE, INDIANA

July 1, 2019 to June 30, 2020



FILED
02/04/2021

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SCHEDULE OF UNIVERSITY OFFICIALS

<u>Office</u>	<u>Official</u>	<u>Term</u>
President	Mitchell E. Daniels, Jr.	07-01-19 to 06-30-21
Treasurer and Chief Financial Officer	William E. Sullivan Christopher Ruhl	07-01-19 to 12-31-19 01-01-20 to 06-30-21
Senior Vice President and Assistant Treasurer	James S. Almond	07-01-19 to 06-30-21
Executive Vice President for Research and Partnerships	(Vacant) Dr. Theresa Mayer	07-01-19 to 07-31-19 08-01-19 to 06-30-21
Chair of the Board of Trustees	Michael R. Berghoff	07-01-19 to 06-30-21



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INDEPENDENT AUDITOR'S REPORT ON SCHEDULE OF EXPENDITURES
OF FEDERAL AWARDS REQUIRED BY THE UNIFORM GUIDANCE

TO: THE OFFICIALS OF PURDUE UNIVERSITY, WEST LAFAYETTE, INDIANA

We have audited the financial statements of the business-type activities and the aggregate discretely presented component units of Purdue University (University), a component unit of the State of Indiana, as of and for the year ended June 30, 2020, and the related notes to the financial statements, which collectively comprise the University's basic financial statements. We issued our report thereon dated October 22, 2020, which contained unmodified opinions on those financial statements. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. We have not performed any procedures with respect to the audited financial statements subsequent to October 22, 2020. Our report includes a reference to other auditors who audited the financial statements of the Purdue Research Foundation (Foundation) and Purdue University Global, Inc. (Purdue Global), as described in our report on the University's financial statements.

The University's basic financial statements include the operations of 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, 2020. Other auditors were engaged to perform audit procedures on Purdue Global's Schedule of Expenditures of Federal Awards, and accordingly, this report does not include the results of those audit procedures.

The accompanying Schedule of Expenditures of Federal Awards is presented for purposes of additional analysis as required by the Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* and is not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the Schedule of Expenditures of Federal Awards is fairly stated, in all material respects, in relation to the basic financial statements, as a whole.

Paul D. Joyce
Paul D. Joyce, CPA
State Examiner

October 22, 2020



INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING
AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF THE FINANCIAL
STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

TO: THE OFFICIALS OF PURDUE UNIVERSITY, WEST LAFAYETTE, INDIANA

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the business-type activities and the aggregate discretely presented component units of Purdue University (University), a component unit of the State of Indiana, as of and for the year ended June 30, 2020, and the related notes to the financial statements, which collectively comprise the University's basic financial statements and have issued our report thereon dated October 22, 2020. Our report includes a reference to other auditors who audited the financial statements of the Purdue Research Foundation (Foundation) and Purdue University Global, Inc. (Purdue Global), as described in our report on the University's financial statements. The financial statements of the Foundation were not audited in accordance with *Government Auditing Standards*. This report does not include the results of the other auditors' testing of internal control over financial reporting or compliance and other matters that are reported on separately by those auditors.

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) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion 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 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 combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

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

INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING
AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF THE FINANCIAL
STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*
(Continued)

Compliance and Other Matters

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

Purpose of This Report

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

Paul D. Joyce
Paul D. Joyce, CPA
State Examiner

October 22, 2020



INDEPENDENT AUDITOR'S REPORT ON COMPLIANCE FOR EACH MAJOR FEDERAL PROGRAM AND REPORT ON INTERNAL CONTROL OVER COMPLIANCE

TO: THE OFFICIALS OF PURDUE UNIVERSITY, WEST LAFAYETTE, INDIANA

Report on Compliance for Each Major Federal Program

We have audited Purdue University's (University) compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2020. The University's major federal programs are identified in the Summary of Auditor's Results section of the accompanying Schedule of Findings and Questioned Costs.

Management's Responsibility

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

Auditor's Responsibility

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

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

Opinion on Each Major Federal Program

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

INDEPENDENT AUDITOR'S REPORT ON COMPLIANCE FOR EACH MAJOR FEDERAL
PROGRAM AND REPORT ON INTERNAL CONTROL OVER COMPLIANCE
(Continued)

Report on Internal Control over Compliance


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

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

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies, and, therefore, material weaknesses or significant deficiencies may exist that were not identified. We identified certain deficiencies in internal control over compliance, as described in the accompanying Schedule of Findings and Questioned Costs as item 2020-001, that we consider to be material weaknesses.

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

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


Paul D. Joyce, CPA
State Examiner

January 13, 2021

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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS AND ACCOMPANYING NOTES

The Schedule of Expenditures of Federal Awards and accompanying notes presented were prepared by management of the University. The schedule and notes are presented as intended by the University.

Purdue University
 Schedule of Expenditures of Federal Awards
 For the Year Ended June 30, 2020

Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	CFDA Number	CFDA Program Title	Federal Expenditures	Subrecipient Expenditures
Student Financial Assistance Cluster*	U.S. Department of Education	Direct			84.007	Federal Supplemental Educational Opportunity Grants	2,469,856	0
Student Financial Assistance Cluster*	U.S. Department of Education	Direct			84.033	Federal Work-Study Program	1,753,091	0
Student Financial Assistance Cluster*	U.S. Department of Education	Direct			84.038	LOAN/LOAN GUARANTEE - Federal Perkins Loan Program_Federal Capital Contributions	15,402,192	0
Student Financial Assistance Cluster*	U.S. Department of Education	Direct			84.063	Federal Pell Grant Program	49,682,737	0
Student Financial Assistance Cluster*	U.S. Department of Education	Direct			84.268	LOAN/LOAN GUARANTEE - Federal Direct Student Loans	174,623,915	0
Student Financial Assistance Cluster*	U.S. Department of Education	Direct			84.379	Teacher Education Asst for College & Higher Education Grants (TEACH Grants)	23,783	0
Student Financial Assistance Cluster*	Total - U.S. Department of Education						243,955,574	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	3,609,598	0
Student Financial Assistance Cluster*	Total - U.S. Department of Health & Human Services						3,609,598	0
Total - Student Financial Assistance Cluster*							247,565,172	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.001	Agricultural Research_Basic and Applied Research	2,334,463	137,126
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	IOWA STATE UNIVERSITY	021220B	10.001	Agricultural Research_Basic and Applied Research	35,631	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	AGRICULTURAL RESEARCH SERVICE	59-5020-7-001	10.001	Agricultural Research_Basic and Applied Research	-77	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	87,183	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	34,141	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	69,775	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	217,520	0
					Total - 10.001		2,778,636	137,126
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.025	Plant and Animal Disease, Pest Control, and Animal Care	479,465	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT# 29323	10.025	Plant and Animal Disease, Pest Control, and Animal Care	-233	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT# 29891	10.025	Plant and Animal Disease, Pest Control, and Animal Care	39,546	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT# 32519	10.025	Plant and Animal Disease, Pest Control, and Animal Care	90,058	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT# 38850	10.025	Plant and Animal Disease, Pest Control, and Animal Care	3,215	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	NTP20024540	10.025	Plant and Animal Disease, Pest Control, and Animal Care	38,454	0
					Total - 10.025		650,505	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.028	Wildlife Services	40,732	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.069	Conservation Reserve Program	17,981	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.156	Federal-State Marketing Improvement Program	8,201	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	37,658	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	IN STATE DEPARTMENT OF AGRICULTURE	A337-17-SCBG-105	10.170	Specialty Crop Block Grant Program - Farm Bill	10,933	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	IN STATE DEPARTMENT OF AGRICULTURE	A337-17-SCBG-106	10.170	Specialty Crop Block Grant Program - Farm Bill	-1	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	27,931	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	24,180	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, 2020

Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	CFDA Number	CFDA Program Title	Federal Expenditures	Subrecipient Expenditures
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	4,204	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	17,535	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	6,780	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	8,881	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	IN STATE DEPARTMENT OF AGRICULTURE	CONTRACT ID 24216	10.170	Specialty Crop Block Grant Program - Farm Bill	7,906	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	IN STATE DEPARTMENT OF AGRICULTURE	CONTRACT ID 24217	10.170	Specialty Crop Block Grant Program - Farm Bill	10,723	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	IN STATE DEPARTMENT OF AGRICULTURE	CONTRACT ID 24218	10.170	Specialty Crop Block Grant Program - Farm Bill	10,176	0
					Total - 10.170		166,906	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	IOWA STATE UNIVERSITY	0162531	10.200	Grants for Agricultural Research, Special Research Grants	22,901	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	MICHIGAN STATE UNIVERSITY	388639	10.200	Grants for Agricultural Research, Special Research Grants	4,377	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	IOWA STATE UNIVERSITY	416-41-71F	10.200	Grants for Agricultural Research, Special Research Grants	64,283	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	MICHIGAN STATE UNIVERSITY	446957	10.200	Grants for Agricultural Research, Special Research Grants	2,210	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	1,117	0
					Total - 10.200		94,888	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.202	Cooperative Forestry Research	895,251	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.203	Payments to Agricultural Experiment Stations Under the Hatch Act	5,848,350	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.207	Animal Health and Disease Research	81,707	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	NOVATEUR RESEARCH SOLUTIONS LLC	2017-33610-26707	10.212	Small Business Innovation Research	-460	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	NOVATEUR RESEARCH SOLUTIONS LLC	2019-33610-30180	10.212	Small Business Innovation Research	15,196	0
					Total - 10.212		14,736	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H005722955	10.215	Sustainable Agriculture Research and Education	1,066	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H005722957	10.215	Sustainable Agriculture Research and Education	160	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H006607402	10.215	Sustainable Agriculture Research and Education	21,829	11,738
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H006607403	10.215	Sustainable Agriculture Research and Education	57,415	10,000
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H006607404	10.215	Sustainable Agriculture Research and Education	30,686	3,209
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H006607432	10.215	Sustainable Agriculture Research and Education	11,412	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H007179315	10.215	Sustainable Agriculture Research and Education	422	0
					Total - 10.215		122,990	24,947
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	LANGSTON UNIVERSITY	2017-38821-26445	10.216	1890 Institution Capacity Building Grants	30,629	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.217	Higher Education Challenge Grants	95,103	23,078
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.219	Biotechnology Risk Assessment Research	132,527	51,158
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	RICE UNIVERSITY	R19322	10.219	Biotechnology Risk Assessment Research	444	0
					Total - 10.219		132,971	51,158

* 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, 2020

Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	CFDA Number	CFDA Program Title	Federal Expenditures	Subrecipient Expenditures
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.226	Secondary and Two-Year Postsecondary Agriculture Education Challenge Grants	2,543	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.250	Agricultural and Rural Economic Research	52,386	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF RHODE ISLAND	0005238/01232019	10.250	Agricultural and Rural Economic Research	12,844	0
					Total - 10.250		65,230	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.253	Consumer Data and Nutrition Research	5,388	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.290	Agricultural Market and Economic Research	34,674	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF CONNECTICUT	76427	10.303	Integrated Programs	1,897	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	MICHIGAN STATE UNIVERSITY	RC108938PU	10.303	Integrated Programs	18,993	0
					Total - 10.303		20,890	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.304	Homeland Security_Agricultural	187,130	2,267
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	MICHIGAN STATE UNIVERSITY	RC106556E	10.304	Homeland Security_Agricultural	61,989	0
					Total - 10.304		249,119	2,267
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.307	Organic Agriculture Research and Extension Initiative	358,036	120,681
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	MICHIGAN STATE UNIVERSITY	RC106531A	10.307	Organic Agriculture Research and Extension Initiative	77,366	0
					Total - 10.307		435,402	120,681
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.309	Specialty Crop Research Initiative	823,084	254,552
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	TEXAS A&M AGRILIFE RESEARCH	06-M1703517	10.309	Specialty Crop Research Initiative	6,366	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H006335003	10.309	Specialty Crop Research Initiative	128,176	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	TEXAS A&M AGRILIFE RESEARCH	M1900056	10.309	Specialty Crop Research Initiative	94,521	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	MICHIGAN STATE UNIVERSITY	RC110566PU	10.309	Specialty Crop Research Initiative	26,702	0
					Total - 10.309		1,078,849	254,552
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.310	Agriculture and Food Research Initiative	5,149,909	1,074,073
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	MISSISSIPPI STATE UNIVERSITY	010500.340919.01	10.310	Agriculture and Food Research Initiative	13,695	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	12,573	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	59,416	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF NEBRASKA	26-6221-0338-002	10.310	Agriculture and Food Research Initiative	-1,431	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF ARIZONA	277590	10.310	Agriculture and Food Research Initiative	36	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	TUSKEGEE UNIVERSITY	36 22091 424 76190	10.310	Agriculture and Food Research Initiative	32,842	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	VIRGINIA POLYTECHNIC INST & STATE UNIV	422475-19084	10.310	Agriculture and Food Research Initiative	82,626	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	OHIO STATE UNIVERSITY	60064615	10.310	Agriculture and Food Research Initiative	4,410	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H004383003	10.310	Agriculture and Food Research Initiative	-1,043	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF IDAHO	NR3396-SB-691717	10.310	Agriculture and Food Research Initiative	3,143	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	MICHIGAN STATE UNIVERSITY	RC107153PU	10.310	Agriculture and Food Research Initiative	16,708	0

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Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	CFDA Number	CFDA Program Title	Federal Expenditures	Subrecipient Expenditures
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	KANSAS STATE UNIVERSITY	S16156	10.310	Agriculture and Food Research Initiative	24,091	0
					Total - 10.310		5,396,975	1,074,073
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.318	Women and Minorities in Science, Technology, Engineering, and Mathematics Fields	-249	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.329	Crop Protection and Pest Management Competitive Grants Program	-598	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIV OF ILLINOIS AT CHAMPAIGN-URBANA	076332-16669	10.329	Crop Protection and Pest Management Competitive Grants Program	153	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	3,935	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	1,436	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	MICHIGAN STATE UNIVERSITY	RC108974M	10.329	Crop Protection and Pest Management Competitive Grants Program	2,938	0
					Total - 10.329		7,864	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.351	Rural Business Development Grant	18,141	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	38,523	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.500	Cooperative Extension Service	243,678	45,700
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF NEBRASKA-LINCOLN	25-6324-0187-015	10.500	Cooperative Extension Service	19,338	0
					Total - 10.500		263,016	45,700
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.652	Forestry Research	276,541	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	OREGON STATE UNIVERSITY	J2285A-B	10.652	Forestry Research	65,198	0
					Total - 10.652		341,739	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF TENNESSEE (THE)	9500075412	10.675	Urban and Community Forestry Program	13,073	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.680	Forest Health Protection	45,999	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.777	Norman E. Borlaug International Agricultural Science and Technology Fellowship	57,759	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.902	Soil and Water Conservation	27,719	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	CONSERVATION TECHNOLOGY INFORMATION CTR	68-3A75-14-304	10.902	Soil and Water Conservation	16,517	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	1,700	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF WISCONSIN	PURDUE_16100055	10.902	Soil and Water Conservation	66,934	0
					Total - 10.902		112,870	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.903	Soil Survey	23,790	13,790
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	FARM FOUNDATION	693A7516007	10.912	Environmental Quality Incentives Program	23,506	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.960	Technical Agricultural Assistance	25,242	7,972
Research and Development Cluster*	U.S. Department of Agriculture	Direct			10.961	Scientific Cooperation and Research	2,613	0
Research and Development Cluster*	U.S. Department of Agriculture	Direct		E17-19	10.RD	U.S. Department of Agriculture	77,881	0
Research and Development Cluster*	U.S. Department of Agriculture	Pass-Through	MICHIGAN STATE UNIVERSITY	388639	10.RD	U.S. Department of Agriculture	50	0
					Total - 10.RD		77,931	0
Research and Development Cluster*	Total - U.S. Department of Agriculture						19,320,453	1,755,344

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Research and Development Cluster*	U.S. Department of Commerce	Direct			11.001	Census Bureau Data Products	116,564	23,392
Research and Development Cluster*	U.S. Department of Commerce	Direct			11.020	Cluster Grants	18,346	0
Research and Development Cluster*	U.S. Department of Commerce	Direct			11.417	Sea Grant Support	187,704	56,822
Research and Development Cluster*	U.S. Department of Commerce	Pass-Through	UNIVERSITY OF MINNESOTA	D007941107	11.417	Sea Grant Support	9,099	0
					Total - 11.417		196,803	56,822
Research and Development Cluster*	U.S. Department of Commerce	Pass-Through	UNIVERSITY OF ILLINOIS AT CHICAGO	092709-17592	11.431	Climate and Atmospheric Research	7,492	0
Research and Development Cluster*	U.S. Department of Commerce	Direct			11.459	Weather and Air Quality Research	195,134	0
Research and Development Cluster*	U.S. Department of Commerce	Direct			11.609	Measurement and Engineering Research and Standards	1,726,766	989,212
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	56,785	0
					Total - 11.609		1,783,551	989,212
Research and Development Cluster*	U.S. Department of Commerce	Direct			11.611	Manufacturing Extension Partnership	3,007,944	0
Research and Development Cluster*	U.S. Department of Commerce	Pass-Through	NATNL INST FOR INNOVATION IN MF BIO	SP1.0-003	11.611	Manufacturing Extension Partnership	-5,820	0
					Total - 11.611		3,002,124	0
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	173,272	0
Research and Development Cluster*	U.S. Department of Commerce	Pass-Through	NATNL INST FOR INNOVATION IN MF BIO	PC2.1-002	11.619	Arrangements for Interdisciplinary Research Infrastructure	49,999	0
					Total - 11.619		223,271	0
Research and Development Cluster*	U.S. Department of Commerce	Direct			11.620	Science, Technology, Business and/or Education Outreach	1,452	0
Research and Development Cluster*	U.S. Department of Commerce	Direct		19100919	11.RD	U.S. Department of Commerce	31,703	0
Research and Development Cluster*	Total - U.S. Department of Commerce						5,576,440	1,069,426
Research and Development Cluster*	U.S. Department of Defense	Direct			12.300	Basic and Applied Scientific Research	12,962,899	2,098,800
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF CONNECTICUT	163164	12.300	Basic and Applied Scientific Research	234,924	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	GUIDED PARTICLE SYSTEMS, INC	20090627	12.300	Basic and Applied Scientific Research	14,847	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF PENNSYLVANIA	572339	12.300	Basic and Applied Scientific Research	212,198	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	TEXAS A&M AGRILIFE RESEARCH	732425A	12.300	Basic and Applied Scientific Research	34,923	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	CORNELL UNIVERSITY	81424-10839	12.300	Basic and Applied Scientific Research	69,578	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	96,492	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	FLORIDA STATE UNIVERSITY	R01850	12.300	Basic and Applied Scientific Research	194,296	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	FLORIDA STATE UNIVERSITY	R02119	12.300	Basic and Applied Scientific Research	11,814	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	EXO-ATMOSPHERIC TECHNOLOGIES LLC	S1000	12.300	Basic and Applied Scientific Research	22,596	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	GRIFFISS INSTITUTE INC	SA2018-UP-027	12.300	Basic and Applied Scientific Research	429	0
					Total - 12.300		13,854,996	2,098,800
Research and Development Cluster*	U.S. Department of Defense	Direct			12.351	Basic Scientific Research - Combating Weapons of Mass Destruction	759,586	31,697
Research and Development Cluster*	U.S. Department of Defense	Direct			12.420	Military Medical Research and Development	1,169,801	109,378

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Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SOUTHERN ILLINOIS UNIVERSITY	19-02	12.420	Military Medical Research and Development	49,092	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	REHABILITATION INST OF CHICAGO	5098	12.420	Military Medical Research and Development	495	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF KANSAS	FY2019-115	12.420	Military Medical Research and Development	9,313	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	CALIFORNIA INSTITUTE OF TECHNOLOGY	S374892	12.420	Military Medical Research and Development	165,301	0
					Total - 12.420		1,394,002	109,378
Research and Development Cluster*	U.S. Department of Defense	Direct			12.431	Basic Scientific Research	1,966,154	316,700
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF TEXAS AT DALLAS	1604768	12.431	Basic Scientific Research	83,277	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF NEW SOUTH WALES	171011	12.431	Basic Scientific Research	1	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SONRISA RESEARCH INC	20025100	12.431	Basic Scientific Research	80,756	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF MICHIGAN	3002778250	12.431	Basic Scientific Research	50,604	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	VIRGINIA TECH	451474-19084	12.431	Basic Scientific Research	124,421	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	INDIANA UNIVERSITY	BL-4329734-PU	12.431	Basic Scientific Research	15,527	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	GEORGIA TECH	RH541-G4	12.431	Basic Scientific Research	70,503	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00010157	12.431	Basic Scientific Research	146,033	0
					Total - 12.431		2,537,276	316,700
Research and Development Cluster*	U.S. Department of Defense	Direct			12.630	Basic, Applied, and Advanced Research in Science and Engineering	86,068	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	28,363	0
					Total - 12.630		114,431	0
Research and Development Cluster*	U.S. Department of Defense	Direct			12.800	Air Force Defense Research Sciences Program	5,599,742	965,604
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UES INC.	119-003-002	12.800	Air Force Defense Research Sciences Program	7,899	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	HARVARD UNIVERSITY	123885-5079396	12.800	Air Force Defense Research Sciences Program	155,996	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	NEXTFLEX	17013120	12.800	Air Force Defense Research Sciences Program	4,751	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SYSTEMS & TECHNOLOGY RESEARCH	2018-0043	12.800	Air Force Defense Research Sciences Program	227,325	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF MICHIGAN	3004428167	12.800	Air Force Defense Research Sciences Program	93,096	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	VANDERBILT UNIVERSITY	3091-01093	12.800	Air Force Defense Research Sciences Program	-19	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	PENNSYLVANIA STATE UNIVERSITY	4792-PU-AFOSR-0004	12.800	Air Force Defense Research Sciences Program	-199	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	49,507	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	74,401	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	182,919	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	VON KARMAN INST FOR FLUID DYNAMICS	FA9550-16-1-0120	12.800	Air Force Defense Research Sciences Program	760	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF CHICAGO	FP057123-D	12.800	Air Force Defense Research Sciences Program	149,217	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	46,955	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	157,820	0

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Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SPECTRAL ENERGIES, LLC	SB1713-001-1	12.900	Air Force Defense Research Sciences Program	13,057	0
					Total - 12.800		6,763,237	965,604
Research and Development Cluster*	U.S. Department of Defense	Direct			12.901	Mathematical Sciences Grants Program	25,958	0
Research and Development Cluster*	U.S. Department of Defense	Direct			12.902	Information Security Grants	244,958	45,831
Research and Development Cluster*	U.S. Department of Defense	Direct			12.903	GenCyber Grants Program	79,886	39,050
Research and Development Cluster*	U.S. Department of Defense	Direct			12.905	CyberSecurity Core Curriculum	118,532	31,578
Research and Development Cluster*	U.S. Department of Defense	Direct			12.910	Research and Technology Development	2,686,220	101,397
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	ROCHESTER INSTITUTE OF TECHNOLOGY	417385/URFAO GR510841	12.910	Research and Technology Development	144,713	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	259,409	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	PENNSYLVANIA STATE UNIVERSITY	5852-PU-DARPA-0109	12.910	Research and Technology Development	995	0
					Total - 12.910		3,091,337	101,397
Research and Development Cluster*	U.S. Department of Defense	Direct		17066836	12.RD	U.S. Department of Defense	313,988	0
Research and Development Cluster*	U.S. Department of Defense	Direct		19089079	12.RD	U.S. Department of Defense	119,782	0
Research and Development Cluster*	U.S. Department of Defense	Direct		2019-016	12.RD	U.S. Department of Defense	188,221	0
Research and Development Cluster*	U.S. Department of Defense	Direct		2019-18101500002	12.RD	U.S. Department of Defense	45,140	0
Research and Development Cluster*	U.S. Department of Defense	Direct		2019-19020700004	12.RD	U.S. Department of Defense	1,629,550	183,151
Research and Development Cluster*	U.S. Department of Defense	Direct		FA864920P0576	12.RD	U.S. Department of Defense	9,325	0
Research and Development Cluster*	U.S. Department of Defense	Direct		FA8650-19-C-2410	12.RD	U.S. Department of Defense	968,391	594,337
Research and Development Cluster*	U.S. Department of Defense	Direct		FA8750-17-C-0069	12.RD	U.S. Department of Defense	81,148	29,022
Research and Development Cluster*	U.S. Department of Defense	Direct		HQ0147-15-C-6003	12.RD	U.S. Department of Defense	-62	0
Research and Development Cluster*	U.S. Department of Defense	Direct		HQ0147-16-C-6005	12.RD	U.S. Department of Defense	4,658	0
Research and Development Cluster*	U.S. Department of Defense	Direct		HR001119C0038	12.RD	U.S. Department of Defense	258,778	0
Research and Development Cluster*	U.S. Department of Defense	Direct		HR00112090010	12.RD	U.S. Department of Defense	164,597	0
Research and Development Cluster*	U.S. Department of Defense	Direct		HR00112090069	12.RD	U.S. Department of Defense	6,077	0
Research and Development Cluster*	U.S. Department of Defense	Direct		N00164-19-P-0106	12.RD	U.S. Department of Defense	160,331	0
Research and Development Cluster*	U.S. Department of Defense	Direct		N0016420P0064	12.RD	U.S. Department of Defense	49,039	0
Research and Development Cluster*	U.S. Department of Defense	Direct		N00173-19-P-1124	12.RD	U.S. Department of Defense	126,501	0
Research and Development Cluster*	U.S. Department of Defense	Direct		N00173-20-P-0210	12.RD	U.S. Department of Defense	18,672	0
Research and Development Cluster*	U.S. Department of Defense	Direct		N4175620C3020	12.RD	U.S. Department of Defense	6,829	0
Research and Development Cluster*	U.S. Department of Defense	Direct		N4814420MD45005	12.RD	U.S. Department of Defense	84,731	0
Research and Development Cluster*	U.S. Department of Defense	Direct		N6893618P0078	12.RD	U.S. Department of Defense	20,584	0
Research and Development Cluster*	U.S. Department of Defense	Direct		SP8000-18-P-0007	12.RD	U.S. Department of Defense	34,358	0
Research and Development Cluster*	U.S. Department of Defense	Direct		SPAFFORDIPA	12.RD	U.S. Department of Defense	7,349	0

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Research and Development Cluster*	U.S. Department of Defense	Direct		W911NF-16-2-0020	12.RD	U.S. Department of Defense	1,630,838	0
Research and Development Cluster*	U.S. Department of Defense	Direct		W911NF-18-1-0074	12.RD	U.S. Department of Defense	123,211	0
Research and Development Cluster*	U.S. Department of Defense	Direct		W911QY1910009	12.RD	U.S. Department of Defense	152,937	31,236
Research and Development Cluster*	U.S. Department of Defense	Direct		W912HQ-14-C-0047	12.RD	U.S. Department of Defense	601	0
Research and Development Cluster*	U.S. Department of Defense	Direct		W912HQ-16-C-0048	12.RD	U.S. Department of Defense	414,256	0
Research and Development Cluster*	U.S. Department of Defense	Direct		W912HQ-18-C-0021	12.RD	U.S. Department of Defense	303,925	0
Research and Development Cluster*	U.S. Department of Defense	Direct		W912HQ19C0063	12.RD	U.S. Department of Defense	106,409	0
Research and Development Cluster*	U.S. Department of Defense	Direct		W91CRB-14-C-0025	12.RD	U.S. Department of Defense	-4,075	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	BAE SYSTEMS ADVANCED TECHNOLOGIES, INC.	1017479	12.RD	U.S. Department of Defense	65,446	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	HRL LABORATORIES, LLC	12105-301701-DS	12.RD	U.S. Department of Defense	-1	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF SOUTHERN CALIFORNIA	125053027	12.RD	U.S. Department of Defense	142,636	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	HELICON CHEMICAL COMPANY	15109773	12.RD	U.S. Department of Defense	74,355	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS	151437	12.RD	U.S. Department of Defense	209,332	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	264,736	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSAL TECHNOLOGY CORPORATION	155231-185296-20-11-C1	12.RD	U.S. Department of Defense	11,016	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SONRISA RESEARCH INC	17012939	12.RD	U.S. Department of Defense	14,256	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF ILLINOIS AT CHICAGO	17043	12.RD	U.S. Department of Defense	254	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	MAGEE TECHNOLOGIES, LLC	180027	12.RD	U.S. Department of Defense	118,864	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	APPLIED OPTIMIZATION, INC	1816076-19-PU-01	12.RD	U.S. Department of Defense	25,466	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SRI INTERNATIONAL	19-000269	12.RD	U.S. Department of Defense	280,941	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	CORVID TECHNOLOGIES	19-041	12.RD	U.S. Department of Defense	37,939	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	CONTINUOUS SOLUTIONS	19025033	12.RD	U.S. Department of Defense	9,164	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	ENGINE RESEARCH ASSOCIATES INC	19035351	12.RD	U.S. Department of Defense	4,747	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	TWINLEAF LLC	19035493	12.RD	U.S. Department of Defense	180,839	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	IN TECH & MANUFACTURING CO	19046646	12.RD	U.S. Department of Defense	49,500	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	MCCOY CONSULTING, LLC	19088786	12.RD	U.S. Department of Defense	83,978	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	AIR SQUARED	19122748	12.RD	U.S. Department of Defense	23,924	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	CONTINUOUS SOLUTIONS	20024730	12.RD	U.S. Department of Defense	30,076	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	PC KRAUSE AND ASSOCIATES	20035240	12.RD	U.S. Department of Defense	20,308	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	CFD RESEARCH CORPORATION	20160552	12.RD	U.S. Department of Defense	89,756	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	NORTH CAROLINA STATE UNIVERSITY	2018-0438-01	12.RD	U.S. Department of Defense	130,103	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	ADVANCED TECHNOLOGY INTERNATIONAL	2018-505 TASK 1	12.RD	U.S. Department of Defense	82,688	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	79,890	0

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Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	CFDA Number	CFDA Program Title	Federal Expenditures	Subrecipient Expenditures
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	CFD RESEARCH CORPORATION	2018001	12.RD	U.S. Department of Defense	4,943	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF NOTRE DAME	203488PU	12.RD	U.S. Department of Defense	109,284	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	STEVENS INSTITUTE OF TECHNOLOGY	2102854-01	12.RD	U.S. Department of Defense	978	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	STEVENS INSTITUTE OF TECHNOLOGY	2102929-01	12.RD	U.S. Department of Defense	209,739	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	STEVENS INSTITUTE OF TECHNOLOGY	2102967-01	12.RD	U.S. Department of Defense	115,736	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	147,383	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	116,978	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	507	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	TECHNICAL DATA ANALYSIS, INC	2111-001-01	12.RD	U.S. Department of Defense	66,827	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	LUNA INNOVATIONS INCORPORATED	3682-DHA-1S/PURDUE	12.RD	U.S. Department of Defense	8,995	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	BAYLOR UNIVERSITY	37050335-01	12.RD	U.S. Department of Defense	8,875	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	NATIONAL AEROSPACE SOLUTIONS, LLC	405173	12.RD	U.S. Department of Defense	64,324	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	NATIONAL AEROSPACE SOLUTIONS, LLC	418620	12.RD	U.S. Department of Defense	16,071	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	IBM	4700059853	12.RD	U.S. Department of Defense	554,522	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	IBM	4700185103	12.RD	U.S. Department of Defense	272,376	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	IBM	5005129713	12.RD	U.S. Department of Defense	104,387	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	BATTELLE MEMORIAL INSTITUTE	504872	12.RD	U.S. Department of Defense	-1,843	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF DELAWARE	52967	12.RD	U.S. Department of Defense	46,140	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	7000461553	12.RD	U.S. Department of Defense	15,000	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	PHYSICS MATERIALS & APPLIED MATH	8057-S01	12.RD	U.S. Department of Defense	63,852	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	LYNNTech INC	AF-002 II	12.RD	U.S. Department of Defense	36,839	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	ARIZONA STATE UNIVERSITY	ASUB00000424	12.RD	U.S. Department of Defense	77,730	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	24,822	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	KORD TECHNOLOGIES INC	KSC-17-001	12.RD	U.S. Department of Defense	25,019	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	ANALYSWIFT LLC	N6833520C008	12.RD	U.S. Department of Defense	25,716	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SMART INFORMATION FLOW TECHNOLOGIES	NEUTRON-PURDUE-01	12.RD	U.S. Department of Defense	8	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	LEIDOS	P010189902	12.RD	U.S. Department of Defense	27,238	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	LEIDOS	P010204872	12.RD	U.S. Department of Defense	18,686	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SCIENCE APPLICATIONS INTNL	P010224172	12.RD	U.S. Department of Defense	40,161	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SCIENCE APPLICATIONS INTNL	P010224172 PO LINE 21	12.RD	U.S. Department of Defense	4,421	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SCIENCE APPLICATIONS INTNL	P010224172 PO LINE 22	12.RD	U.S. Department of Defense	89,499	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SCIENCE APPLICATIONS INTNL	P010224172 PO LINE 23-25	12.RD	U.S. Department of Defense	14,281	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SCIENCE APPLICATIONS INTNL	P010224172 PO LINE 26	12.RD	U.S. Department of Defense	5,647	0

* denotes major programs
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Purdue University
 Schedule of Expenditures of Federal Awards
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Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	CFDA Number	CFDA Program Title	Federal Expenditures	Subrecipient Expenditures
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SCIENCE APPLICATIONS INTNL	P010224172 PO LINE 27	12.RD	U.S. Department of Defense	24,515	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SCIENCE APPLICATIONS INTNL	P010224172 PO LINE 29	12.RD	U.S. Department of Defense	14,699	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	LEIDOS	P010234740	12.RD	U.S. Department of Defense	111,134	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	LOCKHEED MARTIN CORP.	PO #4103672829	12.RD	U.S. Department of Defense	52,541	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	DEFENSE ENGINEERING CORP	PO 10312	12.RD	U.S. Department of Defense	10,537	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	GE GLOBAL RESEARCH CENTER	PO 401109013	12.RD	U.S. Department of Defense	1,219	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	RAYTHEON	PO LBN9513127	12.RD	U.S. Department of Defense	36,453	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	HONEYWELL INC.	PO# 4207438363	12.RD	U.S. Department of Defense	1	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	FRONTIER TECHNOLOGY INC	PUR-19-208755-291	12.RD	U.S. Department of Defense	31,076	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF DAYTON RESEARCH INSTITUTE	RSC17068	12.RD	U.S. Department of Defense	568,147	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	255,993	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF CALIFORNIA-RIVERSIDE	S-001156	12.RD	U.S. Department of Defense	78,581	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	30,239	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	46,334	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UES INC.	S-114-054-002	12.RD	U.S. Department of Defense	2,981	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	APPLIED RESEARCH ASSOCIATES, INC	S-273-003253-02-PU	12.RD	U.S. Department of Defense	73,157	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	APPLIED RESEARCH ASSOCIATES, INC	S-275-003253-03-PU	12.RD	U.S. Department of Defense	356,903	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	121,370	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	EXO-ATMOSPHERIC TECHNOLOGIES LLC	S1006	12.RD	U.S. Department of Defense	45,596	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	EXO-ATMOSPHERIC TECHNOLOGIES LLC	S1007	12.RD	U.S. Department of Defense	24,736	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SURVICE ENGINEERING COMPANY	S19-095006	12.RD	U.S. Department of Defense	40,794	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SPECTRAL ENERGIES, LLC	SB1506-001-1	12.RD	U.S. Department of Defense	77,507	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SPECTRAL ENERGIES, LLC	SB1610-001-2	12.RD	U.S. Department of Defense	28,533	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SPECTRAL ENERGIES, LLC	SB1612-001-1	12.RD	U.S. Department of Defense	28,975	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SPECTRAL ENERGIES, LLC	SB1808-001-1	12.RD	U.S. Department of Defense	45,996	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	96,242	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SPECTRAL ENERGIES, LLC	SB1905-001-1	12.RD	U.S. Department of Defense	29,896	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SPECTRAL ENERGIES, LLC	SB1918-001-1	12.RD	U.S. Department of Defense	68,206	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	3,697	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	SOAR TECHNOLOGY, INC	SC-19-016	12.RD	U.S. Department of Defense	44,163	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	GEORGIA STATE UNIVERSITY	SP00012914-02	12.RD	U.S. Department of Defense	84,409	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	141,069	0
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00011570	12.RD	U.S. Department of Defense	214,486	0

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Purdue University
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Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	CFDA Number	CFDA Program Title	Federal Expenditures	Subrecipient Expenditures
Research and Development Cluster*	U.S. Department of Defense	Pass-Through	TORCH TECHNOLOGIES	T19S053	12.RD	U.S. Department of Defense	376,940	0
					Total - 12.RD		14,538,528	837,746
	Total - U.S. Department of Defense						43,522,727	4,577,811
Research and Development Cluster*	Housing & Urban Development	Pass-Through	VIRGINIA TECH	451625-19084	14.906	Healthy Homes Technical Studies Grants	20,441	0
Research and Development Cluster*	Total - Housing & Urban Development						20,441	0
Research and Development Cluster*	U.S. Department of Interior	Direct			15.229	Wild Horse and Burro Resource Management	-403	0
Research and Development Cluster*	U.S. Department of Interior	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT# 18949	15.608	Fish and Wildlife Management Assistance	-1	0
Research and Development Cluster*	U.S. Department of Interior	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT #27739	15.611	Wildlife Restoration	503,107	0
Research and Development Cluster*	U.S. Department of Interior	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT ID 25141	15.611	Wildlife Restoration	49,882	0
Research and Development Cluster*	U.S. Department of Interior	Pass-Through	TEXAS A&M AGRILIFE RESEARCH	M1901198	15.611	Wildlife Restoration	64,898	0
					Total - 15.611		617,887	0
Research and Development Cluster*	U.S. Department of Interior	Pass-Through	TOLEDO ZOO AND AQUARIUM	18112181	15.634	State Wildlife Grants	3,267	0
Research and Development Cluster*	U.S. Department of Interior	Pass-Through	IN DEPT NAT RES DIV OF FISH & WILDLIFE	CONTRACT #17236	15.634	State Wildlife Grants	47,727	0
Research and Development Cluster*	U.S. Department of Interior	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT #35598	15.634	State Wildlife Grants	2,160	0
Research and Development Cluster*	U.S. Department of Interior	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT ID 22295	15.634	State Wildlife Grants	26,531	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	41,393	0
Research and Development Cluster*	U.S. Department of Interior	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	GRANT: 00035792	15.634	State Wildlife Grants	116,970	0
					Total - 15.634		238,048	0
Research and Development Cluster*	U.S. Department of Interior	Pass-Through	NATIONAL FISH AND WILDLIFE FOUNDATION	0101.15.050007	15.650	Research Grants (Generic)	31,624	0
Research and Development Cluster*	U.S. Department of Interior	Direct			15.678	Cooperative Ecosystem Studies Units	13,061	0
Research and Development Cluster*	U.S. Department of Interior	Pass-Through	TEXAS A&M AGRILIFE RESEARCH	M1901924	15.678	Cooperative Ecosystem Studies Units	25,980	0
					Total - 15.678		39,041	0
Research and Development Cluster*	U.S. Department of Interior	Direct			15.805	Assistance to State Water Resources Research Institutes	98,815	47,550
Research and Development Cluster*	U.S. Department of Interior	Pass-Through	UNIVERSITY OF ILLINOIS	2015-06806-01	15.805	Assistance to State Water Resources Research Institutes	349,154	0
					Total - 15.805		447,969	47,550
Research and Development Cluster*	U.S. Department of Interior	Direct			15.808	U.S. Geological Survey_ Research and Data Collection	129,583	0
Research and Development Cluster*	U.S. Department of Interior	Direct			15.810	National Cooperative Geologic Mapping Program	12,569	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	19,573	0
Research and Development Cluster*	U.S. Department of Interior	Direct			15.945	Cooperative Research and Training Programs ? Resources of the National Park Syst	4,696	0
Research and Development Cluster*	U.S. Department of Interior	Direct		140G0319P0057	15.RD	U.S. Department of Interior	8,138	0
Research and Development Cluster*	U.S. Department of Interior	Direct		D18AC00024	15.RD	U.S. Department of Interior	552,554	472,767
Research and Development Cluster*	U.S. Department of Interior	Direct		G17PX00413	15.RD	U.S. Department of Interior	25	0
Research and Development Cluster*	U.S. Department of Interior	Direct		G17PX01373	15.RD	U.S. Department of Interior	7,502	0

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Purdue University
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Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	CFDA Number	CFDA Program Title	Federal Expenditures	Subrecipient Expenditures
Research and Development Cluster*	U.S. Department of Interior	Direct		G17PX01396	15.RD	U.S. Department of Interior	-28	0
					Total - 15.RD		568,191	472,767
Research and Development Cluster*	Total - U.S. Department of Interior						2,108,777	520,317
Research and Development Cluster*	U.S. Department of Justice	Direct			16.543	Missing Children's Assistance	49,837	0
Research and Development Cluster*	U.S. Department of Justice	Direct			16.560	National Institute of Justice Research, Evaluation, and Development Project Gran	207,306	23,341
Research and Development Cluster*	U.S. Department of Justice	Direct			16.562	Criminal Justice Research and Development_Graduate Research Fellowships	47,908	0
Research and Development Cluster*	U.S. Department of Justice	Pass-Through	UNIVERSITY OF ILLINOIS AT CHICAGO	17596-00	16.582	Crime Victim Assistance/Discretionary Grants	31,719	0
Research and Development Cluster*	U.S. Department of Justice	Direct		DJO-NIJ-17-RO-0110	16.RD	U.S. Department of Justice	104,311	0
Research and Development Cluster*	U.S. Department of Justice	Direct		DJO-NIJ-17-RPOR-0521	16.RD	U.S. Department of Justice	16,009	0
					Total - 16.RD		120,320	0
Research and Development Cluster*	Total - U.S. Department of Justice						457,090	23,341
Research and Development Cluster*	U.S. Department of Labor	Direct			17.502	Occupational Safety and Health_Susan Harwood Training Grants	19,284	0
Research and Development Cluster*	Total - U.S. Department of Labor						19,284	0
Research and Development Cluster*	U.S. Department of State	Direct			19.033	Global Threat Reduction	29,347	0
Research and Development Cluster*	U.S. Department of State	Direct			19.040	Public Diplomacy Programs	227	0
Research and Development Cluster*	U.S. Department of State	Direct		IPA FOR SANTERRE	19.RD	U.S. Department of State	16,000	0
Research and Development Cluster*	Total - U.S. Department of State						45,574	0
Research and Development Cluster*	U.S. Department of Transportation	Direct			20.109	Air Transportation Centers of Excellence	926,228	59,137
Research and Development Cluster*	U.S. Department of Transportation	Direct			20.200	Highway Research & Development Program	113,721	35,072
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	20112414	20.200	Highway Research & Development Program	3,232	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	96,352	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	2042	20.200	Highway Research & Development Program	133,081	0
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	195,818	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	PO 20037386	20.200	Highway Research & Development Program	29,212	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	PO# 0020007894	20.200	Highway Research & Development Program	-1,478	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	27,616	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-3715	20.200	Highway Research & Development Program	11,649	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-3727	20.200	Highway Research & Development Program	492,860	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-3820	20.200	Highway Research & Development Program	13,834	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-3857	20.200	Highway Research & Development Program	8,294	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-3865	20.200	Highway Research & Development Program	19,240	10,470
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-3912	20.200	Highway Research & Development Program	9,475	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-3914	20.200	Highway Research & Development Program	-2,805	0

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Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-3915	20.200	Highway Research & Development Program	10,956	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4003	20.200	Highway Research & Development Program	-6,862	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4004	20.200	Highway Research & Development Program	33,856	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4009	20.200	Highway Research & Development Program	-3,521	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4040-II	20.200	Highway Research & Development Program	-1,682	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4042	20.200	Highway Research & Development Program	61,139	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4101	20.200	Highway Research & Development Program	-195	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4102	20.200	Highway Research & Development Program	35,886	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4103	20.200	Highway Research & Development Program	230	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4105	20.200	Highway Research & Development Program	-196	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4107	20.200	Highway Research & Development Program	55,050	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4108	20.200	Highway Research & Development Program	28,824	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4109	20.200	Highway Research & Development Program	1,567	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4113	20.200	Highway Research & Development Program	-2	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4114	20.200	Highway Research & Development Program	5,687	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4115	20.200	Highway Research & Development Program	15,739	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4116	20.200	Highway Research & Development Program	433	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4120	20.200	Highway Research & Development Program	-458	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4122	20.200	Highway Research & Development Program	43,053	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4126	20.200	Highway Research & Development Program	17,014	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4153	20.200	Highway Research & Development Program	44,301	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4154	20.200	Highway Research & Development Program	2,689	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4155	20.200	Highway Research & Development Program	9,162	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4160	20.200	Highway Research & Development Program	1	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4162	20.200	Highway Research & Development Program	50,905	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4165	20.200	Highway Research & Development Program	179,448	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4203	20.200	Highway Research & Development Program	-4,237	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4205	20.200	Highway Research & Development Program	31,866	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4209	20.200	Highway Research & Development Program	85,679	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4210	20.200	Highway Research & Development Program	27,094	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4211	20.200	Highway Research & Development Program	18,061	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4212	20.200	Highway Research & Development Program	84,551	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4213	20.200	Highway Research & Development Program	54,802	16,505

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Purdue University
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Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	CFDA Number	CFDA Program Title	Federal Expenditures	Subrecipient Expenditures
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4215	20.200	Highway Research & Development Program	21,097	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4216	20.200	Highway Research & Development Program	33,572	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4217	20.200	Highway Research & Development Program	11,294	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4218	20.200	Highway Research & Development Program	72,307	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4221	20.200	Highway Research & Development Program	117,658	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4222	20.200	Highway Research & Development Program	131,557	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4223	20.200	Highway Research & Development Program	98	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4224	20.200	Highway Research & Development Program	-7,399	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4225	20.200	Highway Research & Development Program	13,533	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4226	20.200	Highway Research & Development Program	6,667	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4231	20.200	Highway Research & Development Program	106,404	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4233	20.200	Highway Research & Development Program	14,176	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4234	20.200	Highway Research & Development Program	808	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4251	20.200	Highway Research & Development Program	478,535	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4252	20.200	Highway Research & Development Program	10,462	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4300	20.200	Highway Research & Development Program	76,952	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4301	20.200	Highway Research & Development Program	71,869	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4302	20.200	Highway Research & Development Program	107,408	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4305	20.200	Highway Research & Development Program	29,463	29,463
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4306	20.200	Highway Research & Development Program	71,267	71,267
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4308	20.200	Highway Research & Development Program	37,311	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4309	20.200	Highway Research & Development Program	74,333	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4310	20.200	Highway Research & Development Program	49,085	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4311	20.200	Highway Research & Development Program	91,036	91,036
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4314	20.200	Highway Research & Development Program	94,618	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4315	20.200	Highway Research & Development Program	193,501	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4318	20.200	Highway Research & Development Program	49,534	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4319	20.200	Highway Research & Development Program	89,557	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4321	20.200	Highway Research & Development Program	16,701	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4322	20.200	Highway Research & Development Program	153,310	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4323	20.200	Highway Research & Development Program	251,476	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4325	20.200	Highway Research & Development Program	89,577	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4326	20.200	Highway Research & Development Program	184,913	0

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Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4327	20.200	Highway Research & Development Program	74,852	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4329	20.200	Highway Research & Development Program	38,987	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4332	20.200	Highway Research & Development Program	34,620	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4334	20.200	Highway Research & Development Program	75,631	6,418
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4335	20.200	Highway Research & Development Program	85,803	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4336	20.200	Highway Research & Development Program	30,253	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4350	20.200	Highway Research & Development Program	54,118	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4351	20.200	Highway Research & Development Program	58,573	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4353	20.200	Highway Research & Development Program	6,352	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4355	20.200	Highway Research & Development Program	25,018	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4404	20.200	Highway Research & Development Program	35,377	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4405	20.200	Highway Research & Development Program	67,147	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4406	20.200	Highway Research & Development Program	32,073	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4407	20.200	Highway Research & Development Program	40,678	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4409	20.200	Highway Research & Development Program	73,375	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4411	20.200	Highway Research & Development Program	47,049	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4413	20.200	Highway Research & Development Program	63,813	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4414	20.200	Highway Research & Development Program	46,472	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4415	20.200	Highway Research & Development Program	32,213	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4417	20.200	Highway Research & Development Program	32,092	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4418	20.200	Highway Research & Development Program	25,181	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4419	20.200	Highway Research & Development Program	105,864	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4420	20.200	Highway Research & Development Program	21,125	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4421	20.200	Highway Research & Development Program	78,102	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4422	20.200	Highway Research & Development Program	88,378	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4423	20.200	Highway Research & Development Program	84,714	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4424	20.200	Highway Research & Development Program	53,076	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4429	20.200	Highway Research & Development Program	45,218	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4430	20.200	Highway Research & Development Program	16,902	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4431	20.200	Highway Research & Development Program	5,927	5,927
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4433	20.200	Highway Research & Development Program	34,743	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4436	20.200	Highway Research & Development Program	35,155	35,155
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4437	20.200	Highway Research & Development Program	112,665	0

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Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4438	20.200	Highway Research & Development Program	34,361	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4439	20.200	Highway Research & Development Program	150,685	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4440	20.200	Highway Research & Development Program	86,090	73,865
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4441	20.200	Highway Research & Development Program	63,576	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4443	20.200	Highway Research & Development Program	7,754	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4444	20.200	Highway Research & Development Program	48,093	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4445	20.200	Highway Research & Development Program	33,609	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4446	20.200	Highway Research & Development Program	29,343	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4447	20.200	Highway Research & Development Program	56,915	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4448	20.200	Highway Research & Development Program	22,232	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4449	20.200	Highway Research & Development Program	1,917	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4450	20.200	Highway Research & Development Program	10,397	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4451	20.200	Highway Research & Development Program	10,600	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	181,262	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	261,741	57,224
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	TPF-5(387)	20.200	Highway Research & Development Program	153,906	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	65,142	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION		20.200	Highway Research & Development Program	151,545	0
					Total - 20.200		7,804,335	432,402
Research and Development Cluster*	U.S. Department of Transportation	Direct			20.205	Highway Planning and Construction	59,586	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	17,115	0
					Total - 20.205		76,701	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN CRIMINAL JUSTICE INSTITUTE	CONTRACT #37594	20.600	State and Community Highway Safety	113,523	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	IN CRIMINAL JUSTICE INSTITUTE	CONTRACT #41264	20.600	State and Community Highway Safety	62,585	0
					Total - 20.600		176,108	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	UNIVERSITY OF MICHIGAN	3004631368	20.701	University Transportation Centers Program	757,168	75,757
Research and Development Cluster*	U.S. Department of Transportation	Direct		13-C-AJFE-PU NO.38	20.RD	U.S. Department of Transportation	12,212	0
Research and Development Cluster*	U.S. Department of Transportation	Direct		18101261	20.RD	U.S. Department of Transportation	3,000	0
Research and Development Cluster*	U.S. Department of Transportation	Direct		ACRP A03-48	20.RD	U.S. Department of Transportation	127,418	0
Research and Development Cluster*	U.S. Department of Transportation	Direct		DTFACT-13-D-00010	20.RD	U.S. Department of Transportation	2,144	0
Research and Development Cluster*	U.S. Department of Transportation	Direct		DTFACT-13-D-00010 13.26	20.RD	U.S. Department of Transportation	8,035	0
Research and Development Cluster*	U.S. Department of Transportation	Direct		DTFACT-13-D-00010-0004	20.RD	U.S. Department of Transportation	1,168	0
Research and Development Cluster*	U.S. Department of Transportation	Direct		HR 20-05(51-07)	20.RD	U.S. Department of Transportation	13,124	0

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Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	STATE OF SOUTH CAROLINA	440022446	20.RD	U.S. Department of Transportation	79,544	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	UNIVERSITY OF MARYLAND	80924-Z9415201	20.RD	U.S. Department of Transportation	31,698	0
Research and Development Cluster*	U.S. Department of Transportation	Pass-Through	LEIDOS	P010227997	20.RD	U.S. Department of Transportation	17,813	0
					Total - 20.RD		296,156	0
Research and Development Cluster*	Total - U.S. Department of Transportation						10,036,696	567,296
Research and Development Cluster*	National Aeronautics & Space Administration	Direct			43.001	Science	3,391,668	832,040
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	UNIVERSITIES SPACE RESEARCH ASSOCIATION	02299-01	43.001	Science	362	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	UNIVERSITY OF COLORADO AT BOULDER	1555205	43.001	Science	89,509	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	ARIZONA STATE UNIVERSITY	16-999	43.001	Science	74,490	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	CONTINUOUS SOLUTIONS	16077690	43.001	Science	16,325	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	JET PROPULSION LABORATORY	1609311	43.001	Science	43,078	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	PLANETARY SCIENCE INSTITUTE	1612-PU	43.001	Science	62,522	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	JET PROPULSION LABORATORY	1642716	43.001	Science	29,006	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	EAGLE HARBOR TECHNOLOGIES, INC.	17066953	43.001	Science	88,675	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	LOWELL OBSERVATORY	2016-81490	43.001	Science	17,293	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	INTELLIGENT AUTOMATION INC	2384-1	43.001	Science	-12	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	G08-19060X	43.001	Science	930	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	G09-20085X	43.001	Science	40,012	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	TEXAS A&M UNIVERSITY	M1900178	43.001	Science	65,391	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S5011	43.001	Science	11,712	0
					Total - 43.001		3,930,961	832,040
Research and Development Cluster*	National Aeronautics & Space Administration	Direct			43.002	Aeronautics	30,205	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003954	43.002	Aeronautics	80,925	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	GEORGIA INSTITUTE OF TECHNOLOGY	AWD-100719-G2	43.002	Aeronautics	35,472	0
					Total - 43.002		146,602	0
Research and Development Cluster*	National Aeronautics & Space Administration	Direct			43.003	Exploration	157,633	1,855
Research and Development Cluster*	National Aeronautics & Space Administration	Direct			43.007	Space Operations	129,277	0
Research and Development Cluster*	National Aeronautics & Space Administration	Direct			43.008	Education	49,462	48,602
Research and Development Cluster*	National Aeronautics & Space Administration	Direct			43.012	Space Technology	1,994,761	375,328
Research and Development Cluster*	National Aeronautics & Space Administration	Direct		1547388	43.RD	National Aeronautics & Space Administration	99,045	0
Research and Development Cluster*	National Aeronautics & Space Administration	Direct		1557111	43.RD	National Aeronautics & Space Administration	9,090	0
Research and Development Cluster*	National Aeronautics & Space Administration	Direct		1615649	43.RD	National Aeronautics & Space Administration	54,796	0
Research and Development Cluster*	National Aeronautics & Space Administration	Direct		1615740	43.RD	National Aeronautics & Space Administration	99,831	0

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Research and Development Cluster*	National Aeronautics & Space Administration	Direct		1622909	43.RD	National Aeronautics & Space Administration	18,728	0
Research and Development Cluster*	National Aeronautics & Space Administration	Direct		5100003111	43.RD	National Aeronautics & Space Administration	4,615	0
Research and Development Cluster*	National Aeronautics & Space Administration	Direct		80GRC018C0055	43.RD	National Aeronautics & Space Administration	111,922	0
Research and Development Cluster*	National Aeronautics & Space Administration	Direct		80NSSC19K0582	43.RD	National Aeronautics & Space Administration	217,163	110,187
Research and Development Cluster*	National Aeronautics & Space Administration	Direct		HST-GO-13782.012-A	43.RD	National Aeronautics & Space Administration	451	0
Research and Development Cluster*	National Aeronautics & Space Administration	Direct		HST-GO-14801.003-A	43.RD	National Aeronautics & Space Administration	16,839	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	JAMES MADISON UNIVERSITY	#S15-178-06	43.RD	National Aeronautics & Space Administration	299	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	ARIZONA STATE UNIVERSITY	1511125	43.RD	National Aeronautics & Space Administration	76,875	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	JET PROPULSION LABORATORY	1558776	43.RD	National Aeronautics & Space Administration	862	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	JET PROPULSION LABORATORY	1592873	43.RD	National Aeronautics & Space Administration	-22	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	JET PROPULSION LABORATORY	1606696	43.RD	National Aeronautics & Space Administration	-130	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	AIR SQUARED	18067611	43.RD	National Aeronautics & Space Administration	86,421	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	P. C. KRAUSE AND ASSOCIATES, INC.	18122509	43.RD	National Aeronautics & Space Administration	111,190	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	ANALYSWIFT LLC	19090191	43.RD	National Aeronautics & Space Administration	54,789	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	VESTIGO AEROSPACE	19090279	43.RD	National Aeronautics & Space Administration	16,054	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	INTELLIGENT AUTOMATION INC	2282-1	43.RD	National Aeronautics & Space Administration	7,307	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	UNIVERSITY OF MICHIGAN	3002485426	43.RD	National Aeronautics & Space Administration	64,343	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	NATIONAL INSTITUTE OF AEROSPACE	601010	43.RD	National Aeronautics & Space Administration	-3	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	FRONTIER AEROSPACE CORPORATION	FAD000173	43.RD	National Aeronautics & Space Administration	-1,161	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	FRONTIER AEROSPACE CORPORATION	FAD000744	43.RD	National Aeronautics & Space Administration	16,554	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-15818.001-A	43.RD	National Aeronautics & Space Administration	24,137	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	IN SPACE, LLC	INS-41703-1	43.RD	National Aeronautics & Space Administration	97,389	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	VON BRAUN CTR FOR SCIENCE & INNOV	PUR18-002	43.RD	National Aeronautics & Space Administration	14,992	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	SPECTRAL ENERGIES, LLC	SB1917-001-2	43.RD	National Aeronautics & Space Administration	33,702	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	SETI INSTITUTE	SC 3447	43.RD	National Aeronautics & Space Administration	6,068	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	PHYSICAL SCIENCES, INC	SC 6982-46-1	43.RD	National Aeronautics & Space Administration	104,906	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	93,280	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	PHYSICAL SCIENCES, INC	SC6911-46-1	43.RD	National Aeronautics & Space Administration	5,869	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	NATIONAL INSTITUTE OF AEROSPACE	T16-6500-PU TO 601059	43.RD	National Aeronautics & Space Administration	98,730	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	ANALYTICAL MECHANICS ASSOC, INC	T3-0380-FY19	43.RD	National Aeronautics & Space Administration	237,922	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	ANALYTICAL MECHANICS ASSOC, INC	T3-0417-FY19	43.RD	National Aeronautics & Space Administration	13,377	0
Research and Development Cluster*	National Aeronautics & Space Administration	Pass-Through	ANALYTICAL MECHANICS ASSOC, INC	T3-0490 FY20	43.RD	National Aeronautics & Space Administration	10,788	0
					Total - 43.RD		1,807,018	110,187

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Research and Development Cluster*	Total - National Aeronautics & Space Administration						8,215,714	1,368,012
Research and Development Cluster*	National Endowment for the Arts & Humanities	Pass-Through	INDIANA HUMANITIES COUNCIL, INC.	GRANT #18-1046	45.129	Promotion of the Humanities_Federal/State Partnership	2,000	0
Research and Development Cluster*	Total - National Endowment for the Arts & Humanities						2,000	0
Research and Development Cluster*	National Science Foundation	Direct			47.041	Engineering Grants	21,616,979	3,818,420
Research and Development Cluster*	National Science Foundation	Direct		2027049-CBET	47.041	COVID-19 - Engineering Grants	13,218	0
Research and Development Cluster*	National Science Foundation	Direct		2027554-CBET	47.041	COVID-19 - Engineering Grants	13,374	0
Research and Development Cluster*	National Science Foundation	Direct		2030133-EEC	47.041	COVID-19 - Engineering Grants	8,836	0
Research and Development Cluster*	National Science Foundation	Direct		2031084-IIP	47.041	COVID-19 - Engineering Grants	7,323	0
Research and Development Cluster*	National Science Foundation	Pass-Through	AUBURN UNIVERSITY	17-ENG-200641-PU	47.041	Engineering Grants	39,257	0
Research and Development Cluster*	National Science Foundation	Pass-Through	ENTO BIO	17089006	47.041	Engineering Grants	56,283	0
Research and Development Cluster*	National Science Foundation	Pass-Through	GENIPHYS LLC	19057322	47.041	Engineering Grants	37,707	0
Research and Development Cluster*	National Science Foundation	Pass-Through	NUTRAMAIZE	19089464	47.041	Engineering Grants	108,650	0
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIVERSITY OF NOTRE DAME	202468PU	47.041	Engineering Grants	1	0
Research and Development Cluster*	National Science Foundation	Pass-Through	RUTGERS, THE STATE UNIVERSITY	2297	47.041	Engineering Grants	-2,179	0
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIVERSITY OF MICHIGAN	3004362735	47.041	Engineering Grants	129,389	1,000
Research and Development Cluster*	National Science Foundation	Pass-Through	VIRGINIA TECH	480081-19084	47.041	Engineering Grants	51,999	0
Research and Development Cluster*	National Science Foundation	Pass-Through	NORTHWESTERN UNIVERSITY	SPO027655-PROJ0007253	47.041	Engineering Grants	14,432	0
					Total - 47.041		22,095,269	3,819,420
Research and Development Cluster*	National Science Foundation	Direct			47.049	Mathematical and Physical Sciences	9,614,237	112,601
Research and Development Cluster*	National Science Foundation	Direct		2031199-DMR	47.049	COVID-19 - Mathematical and Physical Sciences	23,568	0
Research and Development Cluster*	National Science Foundation	Pass-Through	CARNEGIE-MELLON UNIVERSITY	1123266-388661	47.049	Mathematical and Physical Sciences	104,043	0
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIVERSITY OF NOTRE DAME	19101043	47.049	Mathematical and Physical Sciences	2,500	0
Research and Development Cluster*	National Science Foundation	Pass-Through	CORNELL UNIVERSITY	75737-11061	47.049	Mathematical and Physical Sciences	90,648	0
Research and Development Cluster*	National Science Foundation	Pass-Through	CORNELL UNIVERSITY	78877-10946	47.049	Mathematical and Physical Sciences	2,820	0
Research and Development Cluster*	National Science Foundation	Pass-Through	PRINCETON UNIVERSITY	SUB0000181	47.049	Mathematical and Physical Sciences	713,206	0
					Total - 47.049		10,551,022	112,601
Research and Development Cluster*	National Science Foundation	Direct			47.050	Geosciences	2,444,310	118,428
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIV OF ILLINOIS AT CHAMPAIGN-URBANA	072212-14701	47.050	Geosciences	30,656	0
Research and Development Cluster*	National Science Foundation	Pass-Through	COLUMBIA UNIVERSITY	1(GG006672)	47.050	Geosciences	27,044	0
Research and Development Cluster*	National Science Foundation	Pass-Through	COLUMBIA UNIVERSITY	1(GG013199)	47.050	Geosciences	52,204	0
Research and Development Cluster*	National Science Foundation	Pass-Through	COLUMBIA UNIVERSITY	1(GG013208)	47.050	Geosciences	-1,124	0
Research and Development Cluster*	National Science Foundation	Pass-Through		55(GG009393)	47.050	Geosciences	19,990	0
Research and Development Cluster*	National Science Foundation	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	7892	47.050	Geosciences	9,224	0

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					Total - 47.050		2,582,304	118,428
Research and Development Cluster*	National Science Foundation	Direct			47.070	Computer and Information Science and Engineering	19,525,012	3,952,496
Research and Development Cluster*	National Science Foundation	Direct		2027524-OAC	47.070	COVID-19 - Computer and Information Science and Engineering	148	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	251,043	0
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIVERSITY OF MARYLAND	17286-Z4314001	47.070	Computer and Information Science and Engineering	2	0
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIVERSITY OF NEBRASKA-LINCOLN	26-6331-0310-003	47.070	Computer and Information Science and Engineering	3,782	0
Research and Development Cluster*	National Science Foundation	Pass-Through	MOLECULAR SCIENCES SOFTWARE INST	479590-19084	47.070	Computer and Information Science and Engineering	41,728	0
Research and Development Cluster*	National Science Foundation	Pass-Through	NORTHWESTERN UNIVERSITY	60054249 PURDUE	47.070	Computer and Information Science and Engineering	9,972	0
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIVERSITY OF CALIFORNIA - SAN DIEGO	78283280	47.070	Computer and Information Science and Engineering	152,412	0
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIVERSITY OF MINNESOTA	A006581302	47.070	Computer and Information Science and Engineering	58,471	0
Research and Development Cluster*	National Science Foundation	Pass-Through	GEORGE MASON UNIVERSITY	E2043283	47.070	Computer and Information Science and Engineering	64,158	0
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIVERSITY OF TOLEDO	F-2020-11	47.070	Computer and Information Science and Engineering	624	0
					Total - 47.070		20,107,352	3,952,496
Research and Development Cluster*	National Science Foundation	Direct			47.074	Biological Sciences	4,009,497	492,966
Research and Development Cluster*	National Science Foundation	Pass-Through	WASHINGTON STATE UNIVERSITY	123672-G003456	47.074	Biological Sciences	15,183	0
Research and Development Cluster*	National Science Foundation	Pass-Through	NORTH CAROLINA STATE UNIVERSITY	2014-2564-01	47.074	Biological Sciences	304,858	0
Research and Development Cluster*	National Science Foundation	Pass-Through	VIRGINIA TECH	479498-19084	47.074	Biological Sciences	-1	0
Research and Development Cluster*	National Science Foundation	Pass-Through	COLD SPRING HARBOR LABORATORY	52670216	47.074	Biological Sciences	74,387	0
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIVERSITY OF WISCONSIN-MADISON	758K984	47.074	Biological Sciences	-94	0
Research and Development Cluster*	National Science Foundation	Pass-Through	NEW YORK UNIVERSITY	F7304-03	47.074	Biological Sciences	-221	0
Research and Development Cluster*	National Science Foundation	Pass-Through	MICHIGAN STATE UNIVERSITY	RC104982PU	47.074	Biological Sciences	245,346	0
Research and Development Cluster*	National Science Foundation	Pass-Through	MICHIGAN STATE UNIVERSITY	RC105234PU	47.074	Biological Sciences	8,119	0
					Total - 47.074		4,657,074	492,966
Research and Development Cluster*	National Science Foundation	Direct			47.075	Social, Behavioral, and Economic Sciences	750,770	34,318
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIVERSITY OF NEBRASKA	25-6238-0905-004	47.075	Social, Behavioral, and Economic Sciences	8,188	0
Research and Development Cluster*	National Science Foundation	Pass-Through	PENNSYLVANIA STATE UNIVERSITY	5897-PU-NSF-4092	47.075	Social, Behavioral, and Economic Sciences	20,031	0
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIVERSITY OF CHICAGO	FP043343-02-B	47.075	Social, Behavioral, and Economic Sciences	126,747	0
					Total - 47.075		905,736	34,318
Research and Development Cluster*	National Science Foundation	Direct			47.076	Education and Human Resources	9,441,937	770,661
Research and Development Cluster*	National Science Foundation	Pass-Through	SUNY AT ALBANY	16-15-75844	47.076	Education and Human Resources	-5,247	0
Research and Development Cluster*	National Science Foundation	Pass-Through	THE CONCORD CONSORTIUM INC	299-01	47.076	Education and Human Resources	255,816	0
Research and Development Cluster*	National Science Foundation	Pass-Through	THE CONCORD CONSORTIUM INC	314.01	47.076	Education and Human Resources	45,859	0
Research and Development Cluster*	National Science Foundation	Pass-Through	VIRGINIA POLYTECHNIC INST & STATE UNIV	479710-19084	47.076	Education and Human Resources	5,981	0

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Research and Development Cluster*	National Science Foundation	Pass-Through	OHIO STATE UNIVERSITY	60059092	47.076	Education and Human Resources	61,998	0
Research and Development Cluster*	National Science Foundation	Pass-Through	COLLEGE OF WILLIAM AND MARY	714483	47.076	Education and Human Resources	11,533	0
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIVERSITY OF MINNESOTA	A003014102	47.076	Education and Human Resources	29,383	0
Research and Development Cluster*	National Science Foundation	Pass-Through	SINCLAIR COMMUNITY COLLEGE	SCC-1700531	47.076	Education and Human Resources	20,785	0
Research and Development Cluster*	National Science Foundation	Pass-Through	VANDERBILT UNIVERSITY	UNIV59509	47.076	Education and Human Resources	30,737	0
					Total - 47.076		9,898,782	770,661
Research and Development Cluster*	National Science Foundation	Direct			47.078	Polar Programs	10,975	0
Research and Development Cluster*	National Science Foundation	Direct			47.079	International Science and Engineering (OISE)	5,855	0
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIVERSITY OF CINCINNATI	012454-002	47.080	Office of Cyberinfrastructure	70,588	12,380
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIV OF ILLINOIS AT CHAMPAIGN-URBANA	097434-17672	47.083	Office of Integrative Activities	39,605	0
Research and Development Cluster*	National Science Foundation	Direct		1000 G WD515	47.RD	National Science Foundation	41,992	0
Research and Development Cluster*	National Science Foundation	Direct		134149-S113572	47.RD	National Science Foundation	51,789	0
Research and Development Cluster*	National Science Foundation	Direct		18067631	47.RD	National Science Foundation	6,955	0
Research and Development Cluster*	National Science Foundation	Direct		1937036-OIA	47.RD	National Science Foundation	979,451	85,199
Research and Development Cluster*	National Science Foundation	Direct		1946683	47.RD	National Science Foundation	184,888	0
Research and Development Cluster*	National Science Foundation	Direct		1948438-EEC	47.RD	National Science Foundation	187,851	0
Research and Development Cluster*	National Science Foundation	Direct		28-S172814	47.RD	National Science Foundation	55,417	0
Research and Development Cluster*	National Science Foundation	Direct		5112062	47.RD	National Science Foundation	41,428	0
Research and Development Cluster*	National Science Foundation	Direct		577550	47.RD	National Science Foundation	87,255	0
Research and Development Cluster*	National Science Foundation	Direct		S2037-RCA-20-0020	47.RD	National Science Foundation	1,522	0
Research and Development Cluster*	National Science Foundation	Pass-Through	EXPLORE INTERACTIVE, INC	19090107	47.RD	National Science Foundation	37,582	0
Research and Development Cluster*	National Science Foundation	Pass-Through	UNIVERSITY OF NOTRE DAME	19100632	47.RD	National Science Foundation	600	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	UNIVERSITY OF NOTRE DAME	307915PU	47.RD	National Science Foundation	2,427	0
Research and Development Cluster*	National Science Foundation	Pass-Through	PENNSYLVANIA STATE UNIVERSITY	6024-PU-NSF-0020	47.RD	National Science Foundation	81,707	0
					Total - 47.RD		1,770,864	85,199
Research and Development Cluster*	Total - National Science Foundation						72,695,426	9,398,469
Research and Development Cluster*	Small Business Administration	Pass-Through	IN ECONOMIC DEVELOPMENT CORPORATION	EDS# A229-9-SBA-1014	59.037	Small Business Development Center	213,245	0
Research and Development Cluster*	Total - Small Business Administration						213,245	0
Research and Development Cluster*	Department of Veterans Affairs	Direct			64.009	Veterans Medical Care Benefits	40,737	0
Research and Development Cluster*	Department of Veterans Affairs	Direct		583D95098	64.RD	Department of Veteran's Affairs	4,546	0
Research and Development Cluster*	Department of Veterans Affairs	Direct		IPA GREG ARLING	64.RD	Department of Veteran's Affairs	26,642	0
Research and Development Cluster*	Department of Veterans Affairs	Direct		IPA MARGIE SNYDER	64.RD	Department of Veteran's Affairs	13,049	0

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					Total - 64.RD		44,237	0
Research and Development Cluster*	Total - Department of Veterans Affairs						84,974	0
Research and Development Cluster*	Environmental Protection Agency	Pass-Through	IN DEPARTMENT OF ENVIRONMENTAL MGMT	CONTRACT# 19146	66.460	Nonpoint Source Implementation Grants	204,991	0
Research and Development Cluster*	Environmental Protection Agency	Pass-Through	IN DEPARTMENT OF ENVIRONMENTAL MGMT	CONTRACT# 34910	66.469	Great Lakes Program	56,663	0
Research and Development Cluster*	Environmental Protection Agency	Direct			66.509	Science To Achieve Results (STAR) Research Program	121,929	28,580
Research and Development Cluster*	Environmental Protection Agency	Direct			66.511	Office of Research and Development Consolidated Research/Training	441,216	207,073
Research and Development Cluster*	Environmental Protection Agency	Direct			66.608	Environmental Information Exchange Network Grant Program and Related Assistance	50,351	0
Research and Development Cluster*	Environmental Protection Agency	Pass-Through	AMEC	16098772	66.RD	Environmental Protection Agency	19,610	0
Research and Development Cluster*	Environmental Protection Agency	Pass-Through	PEGASUS TECHNICAL SERVICES INC	PUR-19-001	66.RD	Environmental Protection Agency	20,044	0
Research and Development Cluster*	Environmental Protection Agency	Pass-Through	PEGASUS TECHNICAL SERVICES INC	PUR-20-001	66.RD	Environmental Protection Agency	42,194	0
					Total - 66.RD		81,848	0
Research and Development Cluster*	Total - Environmental Protection Agency						956,998	235,653
Research and Development Cluster*	Nuclear Regulatory Commission	Direct			77.008	Nuclear Regulatory Commission Scholarship & Fellowship Program	62,985	0
Research and Development Cluster*	Nuclear Regulatory Commission	Direct			77.009	U.S. Nuclear Regulatory Commission Ofc of Research Financial Assistance Program	35,637	0
Research and Development Cluster*	Nuclear Regulatory Commission	Direct		NRC-HQ-60-15-T-0001	77.RD	Nuclear Regulatory Commission	-2	0
Research and Development Cluster*	Nuclear Regulatory Commission	Direct		NRC-HQ-84-14-G-0048	77.RD	Nuclear Regulatory Commission	86,655	0
Research and Development Cluster*	Nuclear Regulatory Commission	Pass-Through	ENERGY RESEARCH INC.	NRC-HQ-25-14-E-005 TO 1	77.RD	Nuclear Regulatory Commission	55,755	0
					Total - 77.RD		142,408	0
Research and Development Cluster*	Total - Nuclear Regulatory Commission						241,030	0
Research and Development Cluster*	U.S. Department of Energy	Direct			81.049	Office of Science Financial Assistance Program	6,804,284	634,629
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	CHAPMAN UNIVERSITY	500307-0002	81.049	Office of Science Financial Assistance Program	12,505	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	STANFORD UNIVERSITY	61351722-124215	81.049	Office of Science Financial Assistance Program	202,527	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	STONY BROOK UNIVERSITY	855262/1155763	81.049	Office of Science Financial Assistance Program	19,360	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	NEW YORK UNIVERSITY	F7600-06	81.049	Office of Science Financial Assistance Program	68,315	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	31,888	0
					Total - 81.049		7,138,879	634,629
Research and Development Cluster*	U.S. Department of Energy	Direct			81.086	Conservation Research and Development	1,112,886	151,795
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	UNIVERSITY OF WISCONSIN-MADISON	0000000464	81.086	Conservation Research and Development	35,079	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	TEXAS A&M UNIVERSITY	C7401	81.086	Conservation Research and Development	-6	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	122,922	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	UNIVERSITY OF TENNESSEE (THE)	PA16-0349-4.2-01	81.086	Conservation Research and Development	25,631	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	2,242,899	0
					Total - 81.086		3,539,411	151,795

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Research and Development Cluster*	U.S. Department of Energy	Direct			81.087	Renewable Energy Research and Development	2,063,108	214,464
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	ARIZONA STATE UNIVERSITY	17-091	81.087	Renewable Energy Research and Development	-60	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	3M PHARMACEUTICALS	DE-EE0007270	81.087	Renewable Energy Research and Development	27,055	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S4696-PO245703	81.087	Renewable Energy Research and Development	447,951	0
					Total - 81.087		2,538,054	214,464
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	TENNESSEE TECH UNIVERSITY	BL125409438	81.089	Fossil Energy Research and Development	45,248	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	130,419	0
					Total - 81.089		175,667	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	NORTH CAROLINA STATE UNIVERSITY	2014-0501-03	81.113	Defense Nuclear Nonproliferation Research	108,038	0
Research and Development Cluster*	U.S. Department of Energy	Direct			81.121	Nuclear Energy Research, Development and Demonstration	1,045,751	444,240
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	BATTELLE ENERGY ALLIANCE LLC	195702	81.121	Nuclear Energy Research, Development and Demonstration	8,023	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	62,081	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	TEXAS ENGINEERING EXPERIMENT STATION	28-S172806	81.121	Nuclear Energy Research, Development and Demonstration	11,226	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	BOISE STATE UNIVERSITY	7161-PO124384	81.121	Nuclear Energy Research, Development and Demonstration	28,413	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	OHIO STATE UNIVERSITY	PO# RF 60067768	81.121	Nuclear Energy Research, Development and Demonstration	97,226	0
					Total - 81.121		1,252,720	444,240
Research and Development Cluster*	U.S. Department of Energy	Direct			81.135	Advanced Research and Projects Agency ? Energy Financial Assistance Program	3,533,786	1,968,521
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	34,928	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	21,384	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	MOLTEX ENERGY LIMITED	POUSA1	81.135	Advanced Research and Projects Agency ? Energy Financial Assistance Program	99,881	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	129,765	0
					Total - 81.135		3,819,744	1,968,521
Research and Development Cluster*	U.S. Department of Energy	Direct		115108	81.RD	U.S. Department of Energy	99,246	0
Research and Development Cluster*	U.S. Department of Energy	Direct		123980	81.RD	U.S. Department of Energy	197,396	0
Research and Development Cluster*	U.S. Department of Energy	Direct		133569	81.RD	U.S. Department of Energy	121,645	0
Research and Development Cluster*	U.S. Department of Energy	Direct		16044777	81.RD	U.S. Department of Energy	16,096	0
Research and Development Cluster*	U.S. Department of Energy	Direct		1735706	81.RD	U.S. Department of Energy	-5	0
Research and Development Cluster*	U.S. Department of Energy	Direct		1746523	81.RD	U.S. Department of Energy	83,165	0
Research and Development Cluster*	U.S. Department of Energy	Direct		1755561	81.RD	U.S. Department of Energy	-559	0
Research and Development Cluster*	U.S. Department of Energy	Direct		1757154	81.RD	U.S. Department of Energy	33,819	0
Research and Development Cluster*	U.S. Department of Energy	Direct		1760540	81.RD	U.S. Department of Energy	37,928	0
Research and Development Cluster*	U.S. Department of Energy	Direct		1766422	81.RD	U.S. Department of Energy	42,390	0
Research and Development Cluster*	U.S. Department of Energy	Direct		1847039	81.RD	U.S. Department of Energy	23,430	0

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Research and Development Cluster*	U.S. Department of Energy	Direct		1852765	81.RD	U.S. Department of Energy	333,812	0
Research and Development Cluster*	U.S. Department of Energy	Direct		1861716	81.RD	U.S. Department of Energy	71,168	0
Research and Development Cluster*	U.S. Department of Energy	Direct		1861780	81.RD	U.S. Department of Energy	110,191	0
Research and Development Cluster*	U.S. Department of Energy	Direct		1921334	81.RD	U.S. Department of Energy	25,038	0
Research and Development Cluster*	U.S. Department of Energy	Direct		1955839	81.RD	U.S. Department of Energy	81,216	0
Research and Development Cluster*	U.S. Department of Energy	Direct		1975961	81.RD	U.S. Department of Energy	80,042	0
Research and Development Cluster*	U.S. Department of Energy	Direct		1976906	81.RD	U.S. Department of Energy	104,139	0
Research and Development Cluster*	U.S. Department of Energy	Direct		1998484	81.RD	U.S. Department of Energy	39,968	0
Research and Development Cluster*	U.S. Department of Energy	Direct		2025851	81.RD	U.S. Department of Energy	56,661	0
Research and Development Cluster*	U.S. Department of Energy	Direct		2041483	81.RD	U.S. Department of Energy	652,292	0
Research and Development Cluster*	U.S. Department of Energy	Direct		2043667	81.RD	U.S. Department of Energy	58,567	0
Research and Development Cluster*	U.S. Department of Energy	Direct		2056944	81.RD	U.S. Department of Energy	74,943	0
Research and Development Cluster*	U.S. Department of Energy	Direct		2083577	81.RD	U.S. Department of Energy	23,709	0
Research and Development Cluster*	U.S. Department of Energy	Direct		2085864	81.RD	U.S. Department of Energy	56,832	0
Research and Development Cluster*	U.S. Department of Energy	Direct		2095407	81.RD	U.S. Department of Energy	46,397	0
Research and Development Cluster*	U.S. Department of Energy	Direct		2097716	81.RD	U.S. Department of Energy	14,634	0
Research and Development Cluster*	U.S. Department of Energy	Direct		2104827	81.RD	U.S. Department of Energy	7,379	0
Research and Development Cluster*	U.S. Department of Energy	Direct		2127579	81.RD	U.S. Department of Energy	28,400	0
Research and Development Cluster*	U.S. Department of Energy	Direct		2162652	81.RD	U.S. Department of Energy	12,105	0
Research and Development Cluster*	U.S. Department of Energy	Direct		216331	81.RD	U.S. Department of Energy	126,614	0
Research and Development Cluster*	U.S. Department of Energy	Direct		217897	81.RD	U.S. Department of Energy	69,090	0
Research and Development Cluster*	U.S. Department of Energy	Direct		220926	81.RD	U.S. Department of Energy	115,814	0
Research and Development Cluster*	U.S. Department of Energy	Direct		220928	81.RD	U.S. Department of Energy	114,618	5,168
Research and Development Cluster*	U.S. Department of Energy	Direct		231417	81.RD	U.S. Department of Energy	21,415	0
Research and Development Cluster*	U.S. Department of Energy	Direct		3010504729	81.RD	U.S. Department of Energy	-486	0
Research and Development Cluster*	U.S. Department of Energy	Direct		365253	81.RD	U.S. Department of Energy	90,774	0
Research and Development Cluster*	U.S. Department of Energy	Direct		383274	81.RD	U.S. Department of Energy	10,186	0
Research and Development Cluster*	U.S. Department of Energy	Direct		389810	81.RD	U.S. Department of Energy	13,402	0
Research and Development Cluster*	U.S. Department of Energy	Direct		4000151703	81.RD	U.S. Department of Energy	101,010	0
Research and Development Cluster*	U.S. Department of Energy	Direct		4000152822	81.RD	U.S. Department of Energy	17,056	0
Research and Development Cluster*	U.S. Department of Energy	Direct		4000153378	81.RD	U.S. Department of Energy	48,739	0
Research and Development Cluster*	U.S. Department of Energy	Direct		4000157714	81.RD	U.S. Department of Energy	37,826	0
Research and Development Cluster*	U.S. Department of Energy	Direct		4000165967	81.RD	U.S. Department of Energy	51,441	0

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Research and Development Cluster*	U.S. Department of Energy	Direct		4000167323	81.RD	U.S. Department of Energy	2,782	0
Research and Development Cluster*	U.S. Department of Energy	Direct		4000168374	81.RD	U.S. Department of Energy	75,993	0
Research and Development Cluster*	U.S. Department of Energy	Direct		4000173789	81.RD	U.S. Department of Energy	54,525	0
Research and Development Cluster*	U.S. Department of Energy	Direct		425170	81.RD	U.S. Department of Energy	102,897	0
Research and Development Cluster*	U.S. Department of Energy	Direct		483674	81.RD	U.S. Department of Energy	18,204	0
Research and Development Cluster*	U.S. Department of Energy	Direct		483976	81.RD	U.S. Department of Energy	58,434	0
Research and Development Cluster*	U.S. Department of Energy	Direct		498532	81.RD	U.S. Department of Energy	31,837	0
Research and Development Cluster*	U.S. Department of Energy	Direct		4F-32042	81.RD	U.S. Department of Energy	-9,885	0
Research and Development Cluster*	U.S. Department of Energy	Direct		517731	81.RD	U.S. Department of Energy	303	0
Research and Development Cluster*	U.S. Department of Energy	Direct		5F-30781	81.RD	U.S. Department of Energy	-8,225	0
Research and Development Cluster*	U.S. Department of Energy	Direct		652326	81.RD	U.S. Department of Energy	27,097	0
Research and Development Cluster*	U.S. Department of Energy	Direct		7005923	81.RD	U.S. Department of Energy	3	0
Research and Development Cluster*	U.S. Department of Energy	Direct		7118206	81.RD	U.S. Department of Energy	14,177	0
Research and Development Cluster*	U.S. Department of Energy	Direct		8F-30010	81.RD	U.S. Department of Energy	66,328	0
Research and Development Cluster*	U.S. Department of Energy	Direct		9F-60060	81.RD	U.S. Department of Energy	122,284	0
Research and Development Cluster*	U.S. Department of Energy	Direct		9F-60239	81.RD	U.S. Department of Energy	80,915	0
Research and Development Cluster*	U.S. Department of Energy	Direct		B618024	81.RD	U.S. Department of Energy	28,165	0
Research and Development Cluster*	U.S. Department of Energy	Direct		B628390	81.RD	U.S. Department of Energy	91,773	0
Research and Development Cluster*	U.S. Department of Energy	Direct		DE-SC0007884	81.RD	U.S. Department of Energy	991,604	0
Research and Development Cluster*	U.S. Department of Energy	Direct		DE-SC0014281	81.RD	U.S. Department of Energy	1,857	0
Research and Development Cluster*	U.S. Department of Energy	Direct		DE-SC0018238	81.RD	U.S. Department of Energy	188,949	0
Research and Development Cluster*	U.S. Department of Energy	Direct		NTP20013813	81.RD	U.S. Department of Energy	18,915	0
Research and Development Cluster*	U.S. Department of Energy	Direct		PO # 1986698	81.RD	U.S. Department of Energy	93,229	0
Research and Development Cluster*	U.S. Department of Energy	Direct		PO #1853829	81.RD	U.S. Department of Energy	53,351	0
Research and Development Cluster*	U.S. Department of Energy	Direct		PO #1971341	81.RD	U.S. Department of Energy	88,359	0
Research and Development Cluster*	U.S. Department of Energy	Direct		PO #636192	81.RD	U.S. Department of Energy	68,153	0
Research and Development Cluster*	U.S. Department of Energy	Direct		PO 1760475	81.RD	U.S. Department of Energy	79,017	0
Research and Development Cluster*	U.S. Department of Energy	Direct		PO# 2081656	81.RD	U.S. Department of Energy	51,689	0
Research and Development Cluster*	U.S. Department of Energy	Direct		PO# 2084425	81.RD	U.S. Department of Energy	37,462	0
Research and Development Cluster*	U.S. Department of Energy	Direct		PO# 2090974	81.RD	U.S. Department of Energy	56,106	0
Research and Development Cluster*	U.S. Department of Energy	Direct		PO# 2091335	81.RD	U.S. Department of Energy	31,640	0
Research and Development Cluster*	U.S. Department of Energy	Direct		PO# 2095505	81.RD	U.S. Department of Energy	44,420	0
Research and Development Cluster*	U.S. Department of Energy	Direct		PO# 2097553	81.RD	U.S. Department of Energy	103,675	0

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Research and Development Cluster*	U.S. Department of Energy	Direct		PO# 2106142	81.RD	U.S. Department of Energy	97,793	0
Research and Development Cluster*	U.S. Department of Energy	Direct		PO# 2136626	81.RD	U.S. Department of Energy	2,626	0
Research and Development Cluster*	U.S. Department of Energy	Direct		PO# 2145615	81.RD	U.S. Department of Energy	15,353	0
Research and Development Cluster*	U.S. Department of Energy	Direct		PO# 2146521	81.RD	U.S. Department of Energy	54,544	0
Research and Development Cluster*	U.S. Department of Energy	Direct		SC-10-334	81.RD	U.S. Department of Energy	86,446	0
Research and Development Cluster*	U.S. Department of Energy	Direct		SC-13-393	81.RD	U.S. Department of Energy	-11,412	-11,495
Research and Development Cluster*	U.S. Department of Energy	Direct		SC-18-476	81.RD	U.S. Department of Energy	1,036,518	37,897
Research and Development Cluster*	U.S. Department of Energy	Direct		XGX-8-82045-01	81.RD	U.S. Department of Energy	18,086	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	SAVANNAH RIVER NUCLEAR SOLUTIONS LLC	0000386328	81.RD	U.S. Department of Energy	85,569	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	33,215	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	104,766	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	ADVANCED RESEARCH CORPORATION	17336	81.RD	U.S. Department of Energy	38,503	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	SONRISA RESEARCH INC	19013714	81.RD	U.S. Department of Energy	311,963	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	BATTELLE ENERGY ALLIANCE LLC	194026	81.RD	U.S. Department of Energy	-275	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	AEROJET ROCKETDYNE INC	200064738	81.RD	U.S. Department of Energy	-298	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	UNIVERSITY OF NOTRE DAME	202199PU	81.RD	U.S. Department of Energy	309,522	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	BATTELLE ENERGY ALLIANCE LLC	208358	81.RD	U.S. Department of Energy	485,730	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	BATTELLE ENERGY ALLIANCE LLC	212848	81.RD	U.S. Department of Energy	77,925	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	UNIVERSITY OF NEBRASKA-LINCOLN	25-1123-0061-002	81.RD	U.S. Department of Energy	114,340	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	UT-BATTELLE LLC	4000169270	81.RD	U.S. Department of Energy	38,489	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	OAK RIDGE NATIONAL LABORATORY	4000172637	81.RD	U.S. Department of Energy	38,840	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	OAK RIDGE NATIONAL LABORATORY	4000175762	81.RD	U.S. Department of Energy	21,987	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	ARCELORMITTAL USA	4550 G WA302	81.RD	U.S. Department of Energy	16,121	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	LOS ALAMOS NATIONAL LABORATORY	547415	81.RD	U.S. Department of Energy	19,962	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	LOS ALAMOS NATIONAL LABORATORY	589334	81.RD	U.S. Department of Energy	443	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	FERMI NATIONAL ACCELERATOR LABORATORY	649276	81.RD	U.S. Department of Energy	20,000	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	FERMI NATIONAL ACCELERATOR LABORATORY	652325	81.RD	U.S. Department of Energy	15,503	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	FERMI NATIONAL ACCELERATOR LABORATORY	668388	81.RD	U.S. Department of Energy	15,745	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	ARGONNE NATIONAL LABORATORY	8F-30072	81.RD	U.S. Department of Energy	76,017	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	ARGONNE NATIONAL LABORATORY	9F-60152	81.RD	U.S. Department of Energy	-4,840	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	ARGONNE NATIONAL LABORATORY	9F-60181	81.RD	U.S. Department of Energy	72,136	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	ARGONNE NATIONAL LABORATORY	9F-60209	81.RD	U.S. Department of Energy	20,255	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	TEXAS A&M UNIVERSITY	M1802095	81.RD	U.S. Department of Energy	147,256	0

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Research and Development Cluster*	U.S. Department of Energy	Pass-Through	UNIVERSITY OF TENNESSEE (THE)	PA16-0349-3.11-01	81.RD	U.S. Department of Energy	15,810	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	UNIVERSITY OF TENNESSEE (THE)	PA16-0349-3.2-02	81.RD	U.S. Department of Energy	34,138	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	UNIVERSITY OF TENNESSEE (THE)	PA16-0349-3.7-01	81.RD	U.S. Department of Energy	20,357	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	INST FOR ADVCD COMPOSITES MF INNOVATION	PA16-0349-7.3-01	81.RD	U.S. Department of Energy	125,503	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	UNIVERSITY OF TENNESSEE (THE)	PA16-0349-7.4-01	81.RD	U.S. Department of Energy	10,047	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	UNIVERSITY OF TENNESSEE (THE)	PA16-0349-7.6-01	81.RD	U.S. Department of Energy	70,968	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	UNIVERSITY OF TENNESSEE (THE)	PA16-0349-7.7-01	81.RD	U.S. Department of Energy	51,505	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	UNIVERSITY OF TENNESSEE (THE)	PA16-0349-7.8-01	81.RD	U.S. Department of Energy	101,777	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	AMES LABORATORY	SC-20-518	81.RD	U.S. Department of Energy	223,979	0
Research and Development Cluster*	U.S. Department of Energy	Pass-Through	NATIONAL RENEWABLE ENERGY LAB	SUB-2020-10003	81.RD	U.S. Department of Energy	26,194	0
					Total - 81.RD		10,054,662	31,570
Research and Development Cluster*	Total - U.S. Department of Energy						28,627,175	3,445,219
Research and Development Cluster*	U.S. Department of Education	Direct			84.116	Fund for the Improvement of Postsecondary Education	136,236	0
Research and Development Cluster*	U.S. Department of Education	Direct			84.200	Graduate Assistance in Areas of National Need	73,380	0
Research and Development Cluster*	U.S. Department of Education	Direct			84.206	Javits Gifted and Talented Students Education Grant Program	78,494	0
Research and Development Cluster*	U.S. Department of Education	Direct			84.305	Education Research, Development and Dissemination	294,256	101,617
Research and Development Cluster*	U.S. Department of Education	Direct			84.324	Research in Special Education	460,203	148,609
Research and Development Cluster*	U.S. Department of Education	Direct			84.325	Special Education - Personnel Development to Improve Services and Results for Ch	9,675	0
Research and Development Cluster*	U.S. Department of Education	Direct			84.334	Gaining Early Awareness and Readiness for Undergraduate Programs	36,599	34,599
Research and Development Cluster*	U.S. Department of Education	Direct			84.365	English Language Acquisition State Grants	894,164	0
Research and Development Cluster*	U.S. Department of Education	Pass-Through	IN DEPARTMENT OF EDUCATION	CONTRACT# 40379	84.366	Mathematics and Science Partnerships	76,156	0
Research and Development Cluster*	U.S. Department of Education	Pass-Through	IN DEPARTMENT OF EDUCATION		84.366	Mathematics and Science Partnerships	65,378	0
					Total - 84.366		141,534	0
Research and Development Cluster*	U.S. Department of Education	Direct			84.367	Improving Teacher Quality State Grants	-26	0
Research and Development Cluster*	Total - U.S. Department of Education						2,124,515	284,825
Research and Development Cluster*	National Archives	Direct			89.003	National Historical Publications and Records Grants	58,210	0
Research and Development Cluster*	Total - National Archives						58,210	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.103	Food and Drug Administration_Research	421,309	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	RUTGERS, THE STATE UNIVERSITY	#5791	93.103	Food and Drug Administration_Research	18,427	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	LONG ISLAND UNIVERSITY	0001	93.103	Food and Drug Administration_Research	87,949	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	RUTGERS, THE STATE UNIVERSITY	0648	93.103	Food and Drug Administration_Research	128,522	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	304,876	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF KENTUCKY	3200002212-19-183	93.103	Food and Drug Administration_Research	8,812	0

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Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	NATNL INST FOR PHRMCTCL TECH & EDUC	NIPTE-U01-PU-2016-001	93.103	Food and Drug Administration_Research	20,012	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	NATNL INST FOR PHRMCTCL TECH & EDUC	NIPTE-U01-PU-2018-001	93.103	Food and Drug Administration_Research	-30,587	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	NATNL INST FOR PHRMCTCL TECH & EDUC	NIPTE-U01-PU-2020-001	93.103	Food and Drug Administration_Research	273,844	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	NATNL INST FOR PHRMCTCL TECH & EDUC	NIPTE-U01-PU-2020-002	93.103	Food and Drug Administration_Research	17,603	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	NATNL INST FOR PHRMCTCL TECH & EDUC	NIPTE-U01-PU-2018-002	93.103	Food and Drug Administration_Research	9,202	0
					Total - 93.103		1,259,969	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.107	Model State-Supported Area Health Education Centers	68,025	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN4683374PUR	93.107	Model State-Supported Area Health Education Centers	63,187	0
					Total - 93.107		131,212	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.113	Biological Response to Environmental Health Hazards	1,389,889	446,402
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	HARVARD SCHOOL OF PUBLIC HEALTH	112150-5077626	93.113	Biological Response to Environmental Health Hazards	29,720	0
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	345,380	125,076
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	285,449	91,564
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	BOSTON UNIVERSITY	4500002206	93.113	Biological Response to Environmental Health Hazards	-182	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	BOSTON UNIVERSITY	4500002874	93.113	Biological Response to Environmental Health Hazards	4,874	0
					Total - 93.113		2,055,130	663,042
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.121	Oral Diseases and Disorders Research	25,622	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	NOVOSTEO INC	18068152	93.121	Oral Diseases and Disorders Research	97	0
					Total - 93.121		25,719	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.137	Community Programs to Improve Minority Health Grant Program	18,585	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	MICHIGAN STATE UNIVERSITY	RC102935PU	93.143	NIEHS Superfund Hazardous Substances_Basic Research and Education	7,696	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	MICHIGAN STATE UNIVERSITY	RC108824PU	93.143	NIEHS Superfund Hazardous Substances_Basic Research and Education	25,933	0
					Total - 93.143		33,629	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.173	Research Related to Deafness and Communication Disorders	3,619,535	23,582
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	SPEECHVIVE	15065570	93.173	Research Related to Deafness and Communication Disorders	434	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	44,069	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	BOSTON UNIVERSITY, TRUSTEES OF	4500002696	93.173	Research Related to Deafness and Communication Disorders	11,855	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	OHIO STATE UNIVERSITY	60049961	93.173	Research Related to Deafness and Communication Disorders	14,665	0
					Total - 93.173		3,690,558	23,582
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.213	Research and Training in Complementary and Alternative Medicine	214,429	97,977
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.224	Consolidated Health Centers (Community Health Centers, Migrant Health Centers, H	724,941	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct		1H8CCS34298-01-00	93.224	COVID-19 - Consolidated Health Centers (Community Health Centers, Migrant Health Centers, H	27,299	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct		H8DCS35680-01-00	93.224	COVID-19 - Consolidated Health Centers (Community Health Centers, Migrant Health Centers, H	6,031	0

* denotes major programs
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Purdue University
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Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	CFDA Number	CFDA Program Title	Federal Expenditures	Subrecipient Expenditures
					Total - 93.224		758,271	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.226	Research on Healthcare Costs, Quality and Outcomes	522,239	204,571
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF ARIZONA	506745	93.226	Research on Healthcare Costs, Quality and Outcomes	9,955	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	5P30HS024384-04	93.226	Research on Healthcare Costs, Quality and Outcomes	54,559	0
					Total - 93.226		586,753	204,571
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.242	Mental Health Research Grants	1,872,246	11,244
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	BROWN UNIVERSITY	00001446	93.242	Mental Health Research Grants	50,508	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	MARQUETTE UNIVERSITY	001718-01-03	93.242	Mental Health Research Grants	12,008	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	BACKYARD BRAINS	18057024	93.242	Mental Health Research Grants	49,505	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	20,286	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIV OF CALIFORNIA-SANTA BARBARA	KK1518	93.242	Mental Health Research Grants	-252	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00010086	93.242	Mental Health Research Grants	51,755	0
					Total - 93.242		2,056,056	11,244
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	73,199	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.247	Advanced Education Nursing Grant Program	103,528	48,233
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.262	Occupational Safety and Health Program	50,092	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIV OF CINCINNATI-EDU & RESEARCH CTR	010412-078	93.262	Occupational Safety and Health Program	5,444	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	MARSHFIELD CLINIC	606860-00	93.262	Occupational Safety and Health Program	5,930	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	COLORADO STATE UNIVERSITY	G-06056-01	93.262	Occupational Safety and Health Program	205	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00010465	93.262	Occupational Safety and Health Program	3,329	0
					Total - 93.262		65,000	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.273	Alcohol Research Programs	1,232,076	135,391
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UTAH STATE UNIVERSITY	201356-490	93.273	Alcohol Research Programs	46,596	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	BL-4631222-PU	93.273	Alcohol Research Programs	2,337	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN4683239PU	93.273	Alcohol Research Programs	22,023	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN4687305PU	93.273	Alcohol Research Programs	18,126	0
					Total - 93.273		1,321,168	135,391
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.279	Drug Abuse and Addiction Research Programs	1,274,969	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF CINCINNATI	009942-015	93.279	Drug Abuse and Addiction Research Programs	-5,673	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF CINCINNATI	009942-024	93.279	Drug Abuse and Addiction Research Programs	25,324	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF CINCINNATI	009942-025	93.279	Drug Abuse and Addiction Research Programs	7,362	0
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	51,443	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF KENTUCKY	3210000358-17-225	93.279	Drug Abuse and Addiction Research Programs	5,860	0

* denotes major programs
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Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	PENNSYLVANIA STATE UNIVERSITY	5877-PU-DHHS-5108	93.279	Drug Abuse and Addiction Research Programs	54,459	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	OHIO STATE UNIVERSITY	60065570	93.279	Drug Abuse and Addiction Research Programs	81,956	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	OHIO STATE UNIVERSITY	60067478-PURDUE	93.279	Drug Abuse and Addiction Research Programs	38,273	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	IN4693854PU	93.279	Drug Abuse and Addiction Research Programs	19,227	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	48,822	11,342
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	EMORY UNIVERSITY	T880310	93.279	Drug Abuse and Addiction Research Programs	28,517	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	17,341	0
					Total - 93.279		1,647,880	11,342
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	497,673	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF NEBRASKA-LINCOLN	24-0509-0156-003	93.286	Discovery and Applied Research for Technological Innovations to Improve Human He	25,697	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	60,099	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF PITTSBURGH	CNVA00057617 (132042-1)	93.286	Discovery and Applied Research for Technological Innovations to Improve Human He	34,251	0
					Total - 93.286		617,720	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.310	Trans-NIH Research Support	4,119,238	1,213,283
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.350	National Center for Advancing Translational Sciences	-328	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	61,459	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	8128	93.350	National Center for Advancing Translational Sciences	759,500	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	IN4680910PU	93.350	National Center for Advancing Translational Sciences	-45,025	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	518	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	IN4680913PU	93.350	National Center for Advancing Translational Sciences	14,431	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	IN4680932PU	93.350	National Center for Advancing Translational Sciences	102,918	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	IN4680933PU	93.350	National Center for Advancing Translational Sciences	177,576	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	NTP 2020-2021	93.350	National Center for Advancing Translational Sciences	20,134	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	T-GRANT 2020-21	93.350	National Center for Advancing Translational Sciences	13,067	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	VANDERBILT UNIVERSITY	UNIV60813	93.350	National Center for Advancing Translational Sciences	14,518	0
					Total - 93.350		1,118,768	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.351	Research Infrastructure Programs	1,558,785	77,239
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	104,481	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.393	Cancer Cause and Prevention Research	1,119,099	123,404
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	61,795	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	191,935	0
					Total - 93.393		1,372,829	123,404
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.394	Cancer Detection and Diagnosis Research	109	0

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Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF CALIFORNIA - SAN FRANCISCO	10194SC	93.394	Cancer Detection and Diagnosis Research	-1,168	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	TYMORA ANALYTICAL OPERATIONS, LLC	16076937	93.394	Cancer Detection and Diagnosis Research	40,176	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF PENNSYLVANIA	568408	93.394	Cancer Detection and Diagnosis Research	37,887	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF CHICAGO	FP059852	93.394	Cancer Detection and Diagnosis Research	79,174	0
					Total - 93.394		156,178	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.395	Cancer Treatment Research	3,318,683	344,187
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN4687974PUR	93.395	Cancer Treatment Research	33,594	0
					Total - 93.395		3,352,277	344,187
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.396	Cancer Biology Research	2,377,773	487,842
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	CINCINNATI CHILDRENS HOSPITAL MED CTR	139316	93.396	Cancer Biology Research	-14,714	0
					Total - 93.396		2,363,059	487,842
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.397	Cancer Centers Support Grants	2,053,439	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.398	Cancer Research Manpower	463,060	44,892
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	EDS#17317	93.758	Preventive Health & Health Services Block Grant funded solely with PPH Funds	34,096	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.774	Medicare_Supplementary Medical Insurance	305,880	102,398
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.788	Opioid STR	278,636	72,155
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	721,603	0
					Total - 93.788		1,000,239	72,155
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.822	Health Careers Opportunity Program	395,850	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.837	Heart and Vascular Diseases Research	680,138	121,383
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	NEW YORK UNIVERSITY	19-A0-00-1002499	93.837	Heart and Vascular Diseases Research	33,304	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	N CALIFORNIA INST FOR RES & EDUC	SAL1839-02	93.837	Heart and Vascular Diseases Research	-42	0
					Total - 93.837		33,262	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.839	Blood Diseases and Resources Research	295,558	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	CINCINNATI CHILDRENS HOSPITAL MED CTR	304035	93.839	Blood Diseases and Resources Research	-1,179	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	193,554	0
					Total - 93.839		487,933	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.846	Arthritis, Musculoskeletal and Skin Diseases Research	1,756,706	346,448
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF CALIFORNIA - DAVIS	201701072-02	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	7,459	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	295,652	0
					Total - 93.846		2,059,817	346,448
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.847	Diabetes, Endocrinology and Metabolism Research	1,752,655	36,885
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	RUTGERS, THE STATE UNIVERSITY	0202	93.847	Diabetes, Endocrinology and Metabolism Research	126,352	0

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Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	8019_PUR	93.847	Diabetes, Endocrinology and Metabolism Research	16,922	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	121,151	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF COLORADO DENVER	FY19.115.001	93.847	Diabetes, Endocrinology and Metabolism Research	76,770	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUJE UNIV AT INDIANAPOLIS	IN-4687809-PU	93.847	Diabetes, Endocrinology and Metabolism Research	183,746	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUJE UNIV AT INDIANAPOLIS	REQ 125863040	93.847	Diabetes, Endocrinology and Metabolism Research	30,527	0
					Total - 93.847		2,308,133	36,885
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	1,137,796	191,146
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	267,707	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	19,602	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	27,341	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	YALE UNIVERSITY	GK000108 (CON-80000486)	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	9,770	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	YALE UNIVERSITY	GK000164 (CON-80000474)	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	145,618	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN-4685646-PU	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	257,772	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN-4693851-PU	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	60,781	0
					Total - 93.853		1,926,367	191,146
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.855	Allergy, Immunology and Transplantation Research	7,330,330	1,964,921
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF UTAH	10051059-01	93.855	Allergy, Immunology and Transplantation Research	5,542	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	ARIZONA STATE UNIVERSITY	17-172	93.855	Allergy, Immunology and Transplantation Research	-6,886	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	THERAPEUTIC SYSTEMS RESEARCH LAB, INC	17023874	93.855	Allergy, Immunology and Transplantation Research	19,130	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	LOYOLA UNIVERSITY CHICAGO	206944-1	93.855	Allergy, Immunology and Transplantation Research	255,184	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	LA JOLLA INST FOR ALLERGY & IMMUNOLOGY	27909-01-123-408	93.855	Allergy, Immunology and Transplantation Research	83,197	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF MICHIGAN	3004658791	93.855	Allergy, Immunology and Transplantation Research	517	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	373,450	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	BOSTON UNIVERSITY, TRUSTEES OF	4500002938	93.855	Allergy, Immunology and Transplantation Research	62,251	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	VIRGINIA COMMONWEALTH UNIVERSITY	FP00001488_SA002	93.855	Allergy, Immunology and Transplantation Research	-5,657	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	232,800	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN4689794PU	93.855	Allergy, Immunology and Transplantation Research	93,021	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	MAYO CLINIC COLLEGE OF MEDICINE	PUR-222630-03	93.855	Allergy, Immunology and Transplantation Research	9,369	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	133,670	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00008738	93.855	Allergy, Immunology and Transplantation Research	-4	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	VANDERBILT UNIVERSITY	VUMC 53180	93.855	Allergy, Immunology and Transplantation Research	186,889	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	311,655	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	220,513	0

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					Total - 93.855		9,304,981	1,964,921
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.859	Biomedical Research and Research Training	9,687,504	586,799
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	PURSPEC TECHNOLOGIES	18035549	93.859	Biomedical Research and Research Training	9,026	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	PURSPEC TECHNOLOGIES	19025141	93.859	Biomedical Research and Research Training	105,867	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	MATERIALS DEVELOPMENT INC.	19068068	93.859	Biomedical Research and Research Training	32,302	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF NOTRE DAME	202564PU	93.859	Biomedical Research and Research Training	6,528	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	BOSTON UNIVERSITY, TRUSTEES OF	4500002413	93.859	Biomedical Research and Research Training	78,062	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	RUTGERS, THE STATE UNIVERSITY	5923	93.859	Biomedical Research and Research Training	27,019	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	OHIO STATE UNIVERSITY	60062580	93.859	Biomedical Research and Research Training	10,739	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF CALIFORNIA - SAN DIEGO	82691762	93.859	Biomedical Research and Research Training	30,684	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF MINNESOTA	A004265801	93.859	Biomedical Research and Research Training	16,046	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	176,786	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	NORTHWESTERN UNIVERSITY	SP0029058-PROJ0007627	93.859	Biomedical Research and Research Training	5	0
					Total - 93.859		10,180,568	586,799
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.865	Child Health and Human Development Extramural Research	1,000,636	218,714
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	42,275	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	FLORIDA STATE UNIVERSITY	R000002502	93.865	Child Health and Human Development Extramural Research	16,953	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	FLORIDA STATE UNIVERSITY	R02045	93.865	Child Health and Human Development Extramural Research	-7,195	0
					Total - 93.865		1,052,669	218,714
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.866	Aging Research	991,958	593,291
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	8160_PUR	93.866	Aging Research	1,216,880	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN4688983PU	93.866	Aging Research	28,612	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF WASHINGTON	UWSC11021	93.866	Aging Research	26,802	0
					Total - 93.866		2,264,252	593,291
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.867	Vision Research	408,369	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	CORNELL UNIVERSITY	182101	93.867	Vision Research	100,017	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	CORNELL UNIVERSITY	201864	93.867	Vision Research	28,156	0
					Total - 93.867		536,542	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF IOWA	S00869-01	93.879	Medical Library Assistance	16,463	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	12,000	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.958	Block Grants for Community Mental Health Services	1,471	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	IN FAMILY & SOCIAL SERVICES ADMIN	CONTRACT# 32039	93.958	Block Grants for Community Mental Health Services	91,639	0
					Total - 93.958		93,110	0

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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	75,270	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	19078529	93.969	Geriatric Education Centers	9,913	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN4688961PU	93.969	Geriatric Education Centers	447	0
					Total - 93.969		10,360	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct			93.989	International Research and Research Training	160,596	95,215
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct		19024324 - PIOTROWSKI	93.RD	U.S. Department of Health & Human Services	18,195	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct		19122519 - DAVIS	93.RD	U.S. Department of Health & Human Services	10,295	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct		234362	93.RD	U.S. Department of Health & Human Services	50,430	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct		BECK	93.RD	U.S. Department of Health & Human Services	14,406	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct		HHF223201710137C	93.RD	U.S. Department of Health & Human Services	-1,841	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct		IP15120879	93.RD	U.S. Department of Health & Human Services	11,199	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct		SP0040139 60047648 PU-03	93.RD	COVID 19 - U.S. Department of Health & Human Services	127,682	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct		SP0040139 60047653 PU-03	93.RD	COVID-19 - U.S. Department of Health & Human Services	138,071	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Direct		VUMC80773	93.RD	U.S. Department of Health & Human Services	50,708	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	VINCE AND ASSOCIATES	15033782	93.RD	U.S. Department of Health & Human Services	4	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	LEIDOS	15X193	93.RD	U.S. Department of Health & Human Services	3	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	TYMORA ANALYTICAL OPERATIONS, LLC	16099420	93.RD	U.S. Department of Health & Human Services	36,548	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	VINCE AND ASSOCIATES	17012644	93.RD	U.S. Department of Health & Human Services	16,090	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	ADIPO THERAPEUTICS LLC	18024192	93.RD	U.S. Department of Health & Human Services	-9,125	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	Q-CHEM, INC.	18100796	93.RD	U.S. Department of Health & Human Services	44,986	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	MOI UNIVERSITY	19035225	93.RD	U.S. Department of Health & Human Services	14,285	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	NOVILYTIC LLC	19057160	93.RD	U.S. Department of Health & Human Services	21,468	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	85,274	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	MOI UNIVERSITY	20013726	93.RD	U.S. Department of Health & Human Services	30,312	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	PACIFIC NORTHWEST NATIONAL LABORATORY	390988	93.RD	U.S. Department of Health & Human Services	12,741	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIV. OF NORTH CAROLINA AT CHAPEL HILL	5115210	93.RD	U.S. Department of Health & Human Services	107,504	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF KANSAS	FY2018-030	93.RD	U.S. Department of Health & Human Services	1,700	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN-4687586-PU	93.RD	U.S. Department of Health & Human Services	11,492	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	67,312	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF MINNESOTA	P007405902	93.RD	U.S. Department of Health & Human Services	11,212	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF IOWA	S00841-01	93.RD	U.S. Department of Health & Human Services	44,292	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	WELLESLEY COLLEGE	SA26494	93.RD	U.S. Department of Health & Human Services	59,031	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	298,612	0

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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	-963	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	NORTHWESTERN UNIVERSITY	SP0040139 60047653 PU-02	93.RD	U.S. Department of Health & Human Services	144,750	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	NORTHWESTERN UNIVERSITY	SP0040139 60051933PU OQ6	93.RD	U.S. Department of Health & Human Services	67,855	0
Research and Development Cluster*	U.S. Department of Health & Human Services	Pass-Through	NORTHWESTERN UNIVERSITY	SP004013960051930PUOQ2	93.RD	U.S. Department of Health & Human Services	43,310	0
					Total - 93.RD		1,527,818	0
Research and Development Cluster*	Total - U.S. Department of Health & Human Services						65,787,254	7,815,584
Research and Development Cluster*	U.S. Department of Homeland Security	Direct			97.061	Centers for Homeland Security	-2,138	0
Research and Development Cluster*	U.S. Department of Homeland Security	Pass-Through	STEVENS INSTITUTE OF TECHNOLOGY	2102832-01	97.061	Centers for Homeland Security	66	0
Research and Development Cluster*	U.S. Department of Homeland Security	Pass-Through	NORTHEASTERN UNIVERSITY	505035-78054	97.061	Centers for Homeland Security	302,140	0
Research and Development Cluster*	U.S. Department of Homeland Security	Pass-Through	NORTHEASTERN UNIVERSITY	505126-78052	97.061	Centers for Homeland Security	-159	0
Research and Development Cluster*	U.S. Department of Homeland Security	Pass-Through	GEORGE MASON UNIVERSITY	E2042938	97.061	Centers for Homeland Security	306,363	155,371
					Total - 97.061		606,272	155,371
Research and Development Cluster*	U.S. Department of Homeland Security	Direct			97.077	Homeland Security Testing, Evaluation, and Demonstration of Technologies	78,358	0
Research and Development Cluster*	U.S. Department of Homeland Security	Direct		70RSAT18CB0000004	97.RD	U.S. Department of Homeland Security	71,892	31,957
Research and Development Cluster*	U.S. Department of Homeland Security	Direct		70RSAT18FR0000161	97.RD	U.S. Department of Homeland Security	16,440	23,302
Research and Development Cluster*	U.S. Department of Homeland Security	Pass-Through	NORTHEASTERN UNIVERSITY	505092-78050	97.RD	U.S. Department of Homeland Security	-27,164	0
Research and Development Cluster*	U.S. Department of Homeland Security	Pass-Through	LAWRENCE LIVERMORE NATNL LAB	B629434	97.RD	U.S. Department of Homeland Security	204,469	0
					Total - 97.RD		265,637	55,259
Research and Development Cluster*	Total - U.S. Department of Homeland Security						950,267	210,630
Research and Development Cluster*	Agency for International Development	Direct			98.001	USAID Foreign Assistance for Programs Overseas	3,385,535	2,027,879
Research and Development Cluster*	Agency for International Development	Pass-Through	CIMMYT, INT.	17121882	98.001	USAID Foreign Assistance for Programs Overseas	181,519	0
Research and Development Cluster*	Agency for International Development	Pass-Through	CATHOLIC RELIEF SERVICES	8538.917.0434.01.00	98.001	USAID Foreign Assistance for Programs Overseas	80,001	0
Research and Development Cluster*	Agency for International Development	Pass-Through	VANDERBILT UNIVERSITY MEDICAL CENTER	VUMC68125	98.001	USAID Foreign Assistance for Programs Overseas	38,266	0
					Total - 98.001		3,685,321	2,027,879
Research and Development Cluster*	Agency for International Development	Pass-Through	NATIONAL ACADEMY OF SCIENCES	2000007146	98.RD	Agency for International Development	48,616	0
					Total - 98.RD		48,616	0
Research and Development Cluster*	Total - Agency for International Development						3,733,937	2,027,879
Research and Development Cluster*	Central Intelligence Agency	Direct		583D95061	99.RD	Central Intelligence Agency	8,007	0
Research and Development Cluster*	Total - Central Intelligence Agency						8,007	0
Total - Research and Development Cluster							264,806,234	33,299,776
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	4,360,326	0
SNAP Cluster	U.S. Department of Agriculture	Pass-Through	IN STATE DEPARTMENT OF HEALTH	CONTRACT# 29605	10.561	State Admin Matching Grants for the Supplemental Nutrition Assistance Program	1,769,724	0
					Total - 10.561		6,130,050	0

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Total - SNAP Cluster							6,130,050	0
	U.S. Department of Agriculture	Direct			10.001	Agricultural Research_Basic and Applied Research	51,163	0
	U.S. Department of Agriculture	Pass-Through	MISSISSIPPI STATE UNIVERSITY	19122999	10.001	Agricultural Research_Basic and Applied Research	4,953	0
	U.S. Department of Agriculture	Pass-Through	AGRICULTURAL RESEARCH SERVICE	59-5030-9-004	10.001	Agricultural Research_Basic and Applied Research	29,165	0
					Total - 10.001		85,281	0
	U.S. Department of Agriculture	Direct			10.025	Plant and Animal Disease, Pest Control, and Animal Care	19,219	2,582
	U.S. Department of Agriculture	Pass-Through	CORNELL UNIVERSITY	81230-10953	10.025	Plant and Animal Disease, Pest Control, and Animal Care	6,494	0
					Total - 10.025		25,713	2,582
	U.S. Department of Agriculture	Pass-Through	IN STATE DEPARTMENT OF AGRICULTURE	CONTRACT #38350	10.156	Federal-State Marketing Improvement Program	1,605	0
	U.S. Department of Agriculture	Direct			10.163	Market Protection and Promotion	44,857	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	4,993	0
	U.S. Department of Agriculture	Direct			10.172	Local Food Promotion Program	182,126	135,669
	U.S. Department of Agriculture	Direct			10.200	Grants for Agricultural Research, Special Research Grants	4,403	0
	U.S. Department of Agriculture	Direct			10.202	Cooperative Forestry Research	92,405	0
	U.S. Department of Agriculture	Direct			10.207	Animal Health and Disease Research	1,613,941	0
	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H005722903	10.215	Sustainable Agriculture Research and Education	3,282	0
	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H007179311	10.215	Sustainable Agriculture Research and Education	51,999	0
	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H007179330	10.215	Sustainable Agriculture Research and Education	25,454	0
	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H007813909	10.215	Sustainable Agriculture Research and Education	4,164	0
					Total - 10.215		84,899	0
	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF AR AT PINE BLUFF	229_33_11011002	10.216	1890 Institution Capacity Building Grants	906	0
	U.S. Department of Agriculture	Direct			10.217	Higher Education Challenge Grants	-12,063	0
	U.S. Department of Agriculture	Direct			10.220	Higher Education Multicultural Scholars Program	19,500	0
	U.S. Department of Agriculture	Pass-Through	VIRGINIA POLYTECHNIC INST & STATE UNIV	422733-19084	10.290	Agricultural Market and Economic Research	25,583	0
	U.S. Department of Agriculture	Direct			10.304	Homeland Security_Agricultural	226,445	2,719
	U.S. Department of Agriculture	Direct			10.307	Organic Agriculture Research and Extension Initiative	35,282	33,274
	U.S. Department of Agriculture	Direct			10.310	Agriculture and Food Research Initiative	126,030	0
	U.S. Department of Agriculture	Direct			10.328	Natri Food Safety Training, Educ, Extn, Outreach & Tech Asst Compet.Grant Prog	69,941	0
	U.S. Department of Agriculture	Pass-Through	IOWA STATE UNIVERSITY	4163031A	10.328	Natri Food Safety Training, Educ, Extn, Outreach & Tech Asst Compet.Grant Prog	4,949	0
					Total - 10.328		74,890	0
	U.S. Department of Agriculture	Direct			10.329	Crop Protection and Pest Management Competitive Grants Program	260,525	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	35,116	0
	U.S. Department of Agriculture	Direct			10.351	Rural Business Development Grant	64,113	0

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	U.S. Department of Agriculture	Direct			10.475	Cooperative Agreements with States for Intrastate Meat and Poultry Inspection	26,607	0
	U.S. Department of Agriculture	Direct			10.500	Cooperative Extension Service	10,476,248	804,633
	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF NEBRASKA-LINCOLN	25-6324-0187-011	10.500	Cooperative Extension Service	11,961	0
	U.S. Department of Agriculture	Pass-Through	PENNSYLVANIA STATE UNIVERSITY	5967-PU-UM-3501	10.500	Cooperative Extension Service	373	0
	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H005722929	10.500	Cooperative Extension Service	26,097	0
	U.S. Department of Agriculture	Pass-Through	ILLINOIS COOPERATIVE EXTENSION SERVICE	PO-P1906709	10.500	Cooperative Extension Service	49,079	0
					Total - 10.500		10,563,758	839,441
	U.S. Department of Agriculture	Pass-Through	IN STATE DEPARTMENT OF HEALTH	CONTRACT #28585	10.575	Farm to School Grant Program	36,284	0
	U.S. Department of Agriculture	Direct			10.680	Forest Health Protection	85,676	41,055
	U.S. Department of Agriculture	Direct			10.890	Rural Development Cooperative Agreement Program	166,829	41,398
	U.S. Department of Agriculture	Direct			10.912	Environmental Quality Incentives Program	-954	0
	U.S. Department of Agriculture	Pass-Through	FARM FOUNDATION	693A7516007	10.912	Environmental Quality Incentives Program	5,052	0
					Total - 10.912		4,098	0
	U.S. Department of Agriculture	Direct			10.960	Technical Agricultural Assistance	39,659	0
	Total - U.S. Department of Agriculture						20,049,511	1,061,330
	U.S. Department of Commerce	Direct			11.303	Economic Development_Technical Assistance	130,742	0
	U.S. Department of Commerce	Direct			11.417	Sea Grant Support	1,243,996	509,235
	U.S. Department of Commerce	Pass-Through	UNIVERSITY OF ILLINOIS	090946-16963	11.419	Coastal Zone Management Administration Awards	4,317	0
	U.S. Department of Commerce	Pass-Through	UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH	SUBAWD001801	11.431	Climate and Atmospheric Research	41,391	0
	U.S. Department of Commerce	Pass-Through	REGENTS OF THE UNIV OF MICHIGAN, THE	PO 3004178130	11.432	Office of Oceanic and Atmospheric Research (OAR) Joint and Cooperative Institute	-125	0
	U.S. Department of Commerce	Direct			11.609	Measurement and Engineering Research and Standards	67,639	0
	U.S. Department of Commerce	Direct			11.611	Manufacturing Extension Partnership	51,570	0
	U.S. Department of Commerce	Direct		1331L518P13500110	11.U00	U.S. Department of Commerce	836	0
	U.S. Department of Commerce	Direct		1331L519P13500193	11.U01	U.S. Department of Commerce	36,907	0
	U.S. Department of Commerce	Pass-Through	GREAT LAKES OBSERVING SYSTEM	IOOS/OBS-04	11.U02	U.S. Department of Commerce	-1	0
	Total - U.S. Department of Commerce						1,577,272	509,235
	U.S. Department of Defense	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00011356	12.617	Economic Adjustment Assistance for State Governments	171,581	0
	U.S. Department of Defense	Pass-Through	HENRY M JACKSON FOUNDATION	3461	12.750	Uniformed Services University Medical Research Projects	25,103	0
	U.S. Department of Defense	Pass-Through	HENRY M JACKSON FOUNDATION	5107	12.750	Uniformed Services University Medical Research Projects	21,540	0
					Total - 12.750		46,643	0
	U.S. Department of Defense	Direct			12.903	GenCyber Grants Program	27,376	0
	U.S. Department of Defense	Pass-Through	BUSEK CO, INC	18067640	12.U00	U.S. Department of Defense	12	0
	U.S. Department of Defense	Direct		18100646	12.U01	U.S. Department of Defense	-4,984	0

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	U.S. Department of Defense	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00009307	12.U02	U.S. Department of Defense	-9,516	0
	U.S. Department of Defense	Pass-Through	AMERICAN LIGHTWEIGHT MATERIALS MF INST	4003-03	12.U03	U.S. Department of Defense	5,838	0
	U.S. Department of Defense	Direct		15892	12.U04	U.S. Department of Defense	10,907	0
	U.S. Department of Defense	Direct		19089004	12.U05	U.S. Department of Defense	-526	0
	U.S. Department of Defense	Pass-Through	EXO-ATMOSPHERIC TECHNOLOGIES LLC	S1005	12.U06	U.S. Department of Defense	1,989	0
	U.S. Department of Defense	Pass-Through	HYPERCOMP INC	18122985	12.U07	U.S. Department of Defense	16,487	0
	U.S. Department of Defense	Pass-Through	IN SPACE, LLC	INS-51810-1	12.U08	U.S. Department of Defense	121,832	0
	U.S. Department of Defense	Pass-Through	IN SPACE, LLC	INS-11902-1	12.U09	U.S. Department of Defense	23,000	0
	U.S. Department of Defense	Pass-Through	HENRY M JACKSON FOUNDATION	66033-5106	12.U10	U.S. Department of Defense	321,089	0
	U.S. Department of Defense	Direct		F41999-20-F-0256	12.U11	U.S. Department of Defense	1,089,634	0
	Total - U.S. Department of Defense						1,821,362	0
	U.S. Department of Justice	Direct			16.562	Criminal Justice Research and Development_Graduate Research Fellowships	10,020	0
	Total - U.S. Department of Justice						10,020	0
	U.S. Department of Labor	Direct			17.268*	H-1B Job Training Grants	2,074,833	1,286,092
	U.S. Department of Labor	Direct			17.502	Occupational Safety and Health_Susan Harwood Training Grants	53,912	0
	Total - U.S. Department of Labor						2,128,745	1,286,092
	U.S. Department of State	Pass-Through	INTERNATIONAL RESEARCH & EXCHANGE BOARD	FY20-YALI-BE-PU-03	19.009	Academic Exchange Programs - Undergraduate Programs	2,996	0
	U.S. Department of State	Direct			19.040	Public Diplomacy Programs	611	0
	U.S. Department of State	Pass-Through	SAKARYA UNION OF CHAMBERS	19101220	19.040	Public Diplomacy Programs	6,252	0
					Total - 19.040		6,863	0
	U.S. Department of State	Direct			19.415	Professional Exchanges_Annual Open Grant	262,311	0
	U.S. Department of State	Pass-Through	CRDF GLOBAL	CYB0-19-65258-0	19.U00	U.S. Department of State	117,017	0
	U.S. Department of State	Direct		20013878	19.U01	U.S. Department of State	31,250	0
	U.S. Department of State	Direct		IP20057411	19.U02	U.S. Department of State	25,147	0
	U.S. Department of State	Direct		100820A0336	19.U03	U.S. Department of State	201,467	0
	U.S. Department of State	Direct		WLPURDUJEUUA01	19.U04	U.S. Department of State	8,407	0
	Total - U.S. Department of State						655,458	0
	U.S. Department of Transportation	Direct			20.106	Airport Improvement Program	2,143,436	0
	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	SPR-4228	20.200	Highway Research & Development Program	-1,830	0
	U.S. Department of Transportation	Direct			20.215	Highway Training and Education	5,281	0
	U.S. Department of Transportation	Direct		DTFACT-13-D-00010 0005	20.U00	U.S. Department of Transportation	-2,607	0
	U.S. Department of Transportation	Direct		DTFACT-13-D-00010 0006	20.U01	U.S. Department of Transportation	-5,496	0
	U.S. Department of Transportation	Pass-Through	OLD DOMINION UNIV RESEARCH FDN	ACRP 2019-2020	20.U02	U.S. Department of Transportation	9,000	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, 2020

Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	CFDA Number	CFDA Program Title	Federal Expenditures	Subrecipient Expenditures
	Total - U.S. Department of Transportation						2,147,784	0
	National Aeronautics & Space Administration	Direct			43.001	Science	100,859	0
	National Aeronautics & Space Administration	Direct			43.002	Aeronautics	1,567	0
	National Aeronautics & Space Administration	Direct			43.008	Education	770,759	228,263
	National Aeronautics & Space Administration	Direct			43.012	Space Technology	580,783	0
	National Aeronautics & Space Administration	Pass-Through	ULTRAMET	SC NNX15CS02C	43.U00	National Aeronautics & Space Administration	61	0
	National Aeronautics & Space Administration	Direct		80NSSC17K0368	43.U01	National Aeronautics & Space Administration	43,424	0
	National Aeronautics & Space Administration	Direct		80NSSC19P0397	43.U02	National Aeronautics & Space Administration	38,965	0
	National Aeronautics & Space Administration	Direct		80NSSC19P1336	43.U03	National Aeronautics & Space Administration	154,020	0
	National Aeronautics & Space Administration	Pass-Through	ANALYTICAL MECHANICS ASSOC, INC	T3-0417-FY19	43.U04	National Aeronautics & Space Administration	23,618	0
	National Aeronautics & Space Administration	Pass-Through	ULTRAMET	P.O. NO. 16978	43.U05	National Aeronautics & Space Administration	19,461	0
	Total - National Aeronautics & Space Administration						1,733,517	228,263
	National Endowment for the Arts & Humanities	Direct			45.161	Promotion of the Humanities_Research	193,908	16,808
	National Endowment for the Arts & Humanities	Pass-Through	INDIANA STATE LIBRARY	CONTRACT #35974	45.310	Grants to States	7,706	0
	National Endowment for the Arts & Humanities	Direct			45.313	Laura Bush 21st Century Librarian Program	27,356	0
	Total - National Endowment for the Arts & Humanities						228,970	16,808
	Small Business Administration	Pass-Through	IN ECONOMIC DEVELOPMENT CORPORATION	20089753	59.037	Small Business Development Center	111,166	0
	Small Business Administration	Pass-Through	IN ECONOMIC DEVELOPMENT CORPORATION	A229-0-SBA-1019	59.037	Small Business Development Center	103,123	0
	Small Business Administration	Pass-Through	OFFICE OF SMALL BUSINESS & ENTRSHP	A229-0-SBA-1021	59.037	Small Business Development Center	84,038	0
	Small Business Administration	Pass-Through	IN ECONOMIC DEVELOPMENT CORPORATION	A229-0-SBA-1025	59.037	Small Business Development Center	85,712	0
	Small Business Administration	Pass-Through	OFFICE OF SMALL BUSINESS & ENTRSHP	A343-9-PSA-SBDC-11	59.037	Small Business Development Center	105,545	0
	Small Business Administration	Pass-Through	OFFICE OF SMALL BUSINESS & ENTRSHP	A343-9-PSA-SBDC-12	59.037	Small Business Development Center	42,987	0
	Small Business Administration	Pass-Through	OFFICE OF SMALL BUSINESS & ENTRSHP	A343-9-PSA-SBDC-14	59.037	Small Business Development Center	112,292	0
					Total - 59.037		644,863	0
	Total - Small Business Administration						644,863	0
	Department of Veterans Affairs	Direct		583C90272	64.U00	Department of Veteran's Affairs	77,811	0
	Total - Department of Veterans Affairs						77,811	0
	Environmental Protection Agency	Direct			66.436	Surveys, Studies, Investigations, Demonstrations, and Training Grants and Cooper	9,936	96
	Environmental Protection Agency	Pass-Through	IN DEPARTMENT OF ENVIRONMENTAL MGMT	CONTRACT ID 23109	66.460	Nonpoint Source Implementation Grants	626	0
	Environmental Protection Agency	Direct			66.700	Consolidated Pesticide Enforcement Cooperative Agreements	711,354	0
	Total - Environmental Protection Agency						721,916	96
	Nuclear Regulatory Commission	Direct			77.008	Nuclear Regulatory Commission Scholarship & Fellowship Program	88,885	0
	Total - Nuclear Regulatory Commission						88,885	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, 2020

Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	CFDA Number	CFDA Program Title	Federal Expenditures	Subrecipient Expenditures
	U.S. Department of Energy	Direct			81.121	Nuclear Energy Research, Development and Demonstration	41,280	0
	U.S. Department of Energy	Direct		368096	81.U00	U.S. Department of Energy	61,262	0
	U.S. Department of Energy	Pass-Through	UNIVERSITY OF KENTUCKY	320001517-18-076	81.U01	U.S. Department of Energy	189,023	0
	U.S. Department of Energy	Pass-Through	BATTELLE ENERGY ALLIANCE LLC	214762	81.U02	U.S. Department of Energy	8,729	0
	U.S. Department of Energy	Direct		AWARD-20013492	81.U03	U.S. Department of Energy	1,621	0
	Total - U.S. Department of Energy						301,915	0
TRIO Cluster	U.S. Department of Education	Direct			84.042	TRIO_Student Support Services	909,587	0
TRIO Cluster	U.S. Department of Education	Direct			84.044	TRIO_Talent Search	812,986	0
TRIO Cluster	U.S. Department of Education	Direct			84.047	TRIO_Upward Bound	1,067,152	0
	Total - TRIO Cluster						2,789,725	0
	U.S. Department of Education	Pass-Through	VINCENNES UNIVERSITY	1920-I	84.048	Vocational Education_Basic Grants to States	22,163	0
	U.S. Department of Education	Pass-Through	GEORGIA STATE UNIVERSITY	SP00012139-09	84.116	Fund for the Improvement of Postsecondary Education	44,825	0
	U.S. Department of Education	Direct			84.200	Graduate Assistance in Areas of National Need	433,412	0
	U.S. Department of Education	Direct			84.206	Javits Gifted and Talented Students Education Grant Program	282,755	0
	U.S. Department of Education	Direct			84.334	Gaining Early Awareness and Readiness for Undergraduate Programs	3,499,449	766,481
	U.S. Department of Education	Direct			84.336	Teacher Quality Enhancement Grants	76,001	0
	U.S. Department of Education	Direct		84.425E	84.425*	COVID-19 Education Stabilization Fund	4,245,358	0
	U.S. Department of Education	Pass-Through	IN DEPARTMENT OF EDUCATION	CONTRACT# 19272	84.366	Mathematics and Science Partnerships	9,844	0
	U.S. Department of Education	Direct		P217A170345	84.U00	U.S. Department of Education	195,358	0
	Total - U.S. Department of Education						11,598,890	766,481
Health Center Program Cluster	U.S. Department of Health & Human Services	Direct			93.224	Consolidated Health Centers (Community Health Centers, Migrant Health Centers, H	1,760,791	0
	Total - Health Center Program Cluster						1,760,791	0
Medicaid Cluster*	U.S. Department of Health & Human Services	Pass-Through	IN FAMILY & SOCIAL SERVICES ADMIN	CONTRACT# 18963	93.778*	Medical Assistance Program	5,205,749	0
	Total - Medicaid Cluster*						5,205,749	0
	U.S. Department of Health & Human Services	Direct			93.103	Food and Drug Administration_Research	93,846	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	155,108	0
	U.S. Department of Health & Human Services	Pass-Through	NATNL INST FOR PHRMCTCL TECH & EDUC	NIPTE-U01-PU-2019-001-01	93.103	Food and Drug Administration_Research	42,189	0
	U.S. Department of Health & Human Services	Pass-Through	NATNL INST FOR PHRMCTCL TECH & EDUC	NIPTE-U01-PU-2019-002	93.103	Food and Drug Administration_Research	207,943	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	58,395	0
					Total - 93.103		557,481	0
	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN4683374PUR	93.107	Model State-Supported Area Health Education Centers	31,994	0
	U.S. Department of Health & Human Services	Pass-Through	IN STATE DEPARTMENT OF HEALTH	CONTRACT# 18975	93.136	Injury Prevention and Control Research and State and Community Based Programs	-174	0
	U.S. Department of Health & Human Services	Pass-Through	IN STATE DEPARTMENT OF HEALTH	CONTRACT# 31069	93.136	Injury Prevention and Control Research and State and Community Based Programs	88,473	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, 2020

Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	CFDA Number	CFDA Program Title	Federal Expenditures	Subrecipient Expenditures	
					Total - 93.136		88,299	0	
	U.S. Department of Health & Human Services	Direct			93.137	Community Programs to Improve Minority Health Grant Program	383,872	62,420	
	U.S. Department of Health & Human Services	Pass-Through	IN STATE OFFICE OF RURAL HEALTH	CONTRACT #38087	93.241	State Rural Hospital Flexibility Program	159,207	0	
	U.S. Department of Health & Human Services	Pass-Through	IN STATE OFFICE OF RURAL HEALTH	CONTRACT# 21244	93.241	State Rural Hospital Flexibility Program	36,511	0	
	U.S. Department of Health & Human Services	Pass-Through	IN STATE DEPARTMENT OF HEALTH	GRANT #39734	93.241	State Rural Hospital Flexibility Program	18,201	0	
					Total - 93.241		213,919	0	
	U.S. Department of Health & Human Services	Direct			93.243	Substance Abuse and Mental Health Services_Projects of Regional and National Sig	30,569	0	
	U.S. Department of Health & Human Services	Direct			93.247	Advanced Education Nursing Grant Program	623,618	0	
	U.S. Department of Health & Human Services	Direct			93.262	Occupational Safety and Health Program	148,014	0	
	U.S. Department of Health & Human Services	Pass-Through	HEALTH CARE EDUCATION-TRAINING INC	19067746	93.297	Teenage Pregnancy Prevention Program	8,482	0	
	U.S. Department of Health & Human Services	Pass-Through	HEALTH CARE EDUCATION-TRAINING INC	20035621	93.297	Teenage Pregnancy Prevention Program	30,728	0	
					Total - 93.297		39,210	0	
	U.S. Department of Health & Human Services	Pass-Through	OREGON HEALTH SCIENCES UNIVERSITY	1008998_PURDUE_SHIP	93.301	Small Rural Hospital Improvement Grant Program	2,339	0	
	U.S. Department of Health & Human Services	Pass-Through	IN STATE DEPARTMENT OF HEALTH	35759	93.421	Strengthening Public Health Systems and Services through National Partnerships	3,656	0	
	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN4680993PU	93.638	ACA-Transforming Clinical Practice Initiative: Practice Transf Networks(PTNs)	492,419	0	
	U.S. Department of Health & Human Services	Pass-Through	HEALTH CARE EDUCATION-TRAINING INC	18057448	93.U00	U.S. Department of Health & Human Services	-572	0	
	U.S. Department of Health & Human Services	Direct			HHSF223201610019C	93.U01	U.S. Department of Health & Human Services	33,037	0
	U.S. Department of Health & Human Services	Direct			HHSF223201810131C	93.U02	U.S. Department of Health & Human Services	10,067	0
	U.S. Department of Health & Human Services	Direct			IPA - J WASYNCZUK	93.U03	U.S. Department of Health & Human Services	6,996	0
	U.S. Department of Health & Human Services	Direct			IPA - K MONTAGANO	93.U04	U.S. Department of Health & Human Services	7,054	0
	U.S. Department of Health & Human Services	Direct			IPA - NICOLE SEBAHAR	93.U05	U.S. Department of Health & Human Services	7,359	0
	U.S. Department of Health & Human Services	Pass-Through	HEALTH CARE EDUCATION-TRAINING INC	19067759	93.U06	U.S. Department of Health & Human Services	4,285	0	
	U.S. Department of Health & Human Services	Direct			HHSF223201850066A	93.U07	U.S. Department of Health & Human Services	37,083	0
	U.S. Department of Health & Human Services	Direct			HHSF223201610019C	93.U08	U.S. Department of Health & Human Services	103,909	0
	U.S. Department of Health & Human Services	Direct			IPA - DANYA FARUQI	93.U09	U.S. Department of Health & Human Services	19,988	0
	U.S. Department of Health & Human Services	Direct			HHSF223201810131C	93.U10	U.S. Department of Health & Human Services	17,105	0
	U.S. Department of Health & Human Services	Direct			IPA - D VO	93.U11	U.S. Department of Health & Human Services	32,661	0
	U.S. Department of Health & Human Services	Direct			IPA - JENNIFER CHEN	93.U12	U.S. Department of Health & Human Services	14,978	0
	U.S. Department of Health & Human Services	Direct			IPA - MEGAN COUMO	93.U13	U.S. Department of Health & Human Services	32,569	0
	U.S. Department of Health & Human Services	Pass-Through	IN STATE DEPARTMENT OF HEALTH	CONTRACT# 32251	93.U14	U.S. Department of Health & Human Services	19,997	0	
	Total - U.S. Department of Health & Human Services						9,928,446	62,420	
	U.S. Department of Homeland Security	Pass-Through	NORTHEASTERN UNIVERSITY	505035-78054	97.061	Centers for Homeland Security	2,285	0	
	Total - U.S. Department of Homeland Security						2,285	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, 2020

Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	CFDA Number	CFDA Program Title	Federal Expenditures	Subrecipient Expenditures
	Agency for International Development	Direct			98.001*	USAID Foreign Assistance for Programs Overseas	2,816,780	1,254,886
	Agency for International Development	Pass-Through	NATIONAL ACADEMY OF SCIENCES	2000008310	98.001*	USAID Foreign Assistance for Programs Overseas	89,142	0
	Agency for International Development	Pass-Through	NATIONAL ACADEMY OF SCIENCES	2000009139	98.001*	USAID Foreign Assistance for Programs Overseas	77,611	0
	Agency for International Development	Pass-Through	CORNELL UNIVERSITY	87718-11203	98.001*	USAID Foreign Assistance for Programs Overseas	383,320	0
	Agency for International Development	Pass-Through	KANSAS STATE UNIVERSITY	A00-0868-S020	98.001*	USAID Foreign Assistance for Programs Overseas	88,041	0
	Agency for International Development	Pass-Through	UNIVERSITY OF CALIFORNIA - DAVIS	A10-0001-S001	98.001*	USAID Foreign Assistance for Programs Overseas	46,126	0
	Agency for International Development	Pass-Through	TUFTS UNIVERSITY	AID-OAA-L-10-00006	98.001*	USAID Foreign Assistance for Programs Overseas	125,145	0
	Agency for International Development	Pass-Through	KANSAS STATE UNIVERSITY	S14201	98.001*	USAID Foreign Assistance for Programs Overseas	-7,783	0
	Agency for International Development	Pass-Through	KANSAS STATE UNIVERSITY	S14207	98.001*	USAID Foreign Assistance for Programs Overseas	109	0
	Agency for International Development	Pass-Through	KANSAS STATE UNIVERSITY	S15005	98.001*	USAID Foreign Assistance for Programs Overseas	-11,461	833
	Agency for International Development	Pass-Through	KANSAS STATE UNIVERSITY	S15006	98.001*	USAID Foreign Assistance for Programs Overseas	-2,684	0
	Agency for International Development	Pass-Through	KANSAS STATE UNIVERSITY	S19170	98.001*	USAID Foreign Assistance for Programs Overseas	242,791	0
	Agency for International Development	Pass-Through	KANSAS STATE UNIVERSITY	S19172	98.001*	USAID Foreign Assistance for Programs Overseas	25,933	0
	Agency for International Development	Pass-Through	KANSAS STATE UNIVERSITY	S19186	98.001*	USAID Foreign Assistance for Programs Overseas	74,414	27,229
	Agency for International Development	Pass-Through	PARTNERS OF THE AMERICAS FDN	SG-2020-1	98.001*	USAID Foreign Assistance for Programs Overseas	37,082	0
					Total - 98.001		3,984,566	1,282,948
	Agency for International Development	Pass-Through	FAMILY HEALTH INTERNATIONAL	4576-01-PURDUE-01	98.012	USAID Development Partnerships for University Cooperation and Development	48,568	0
	Agency for International Development	Direct		AID-OAA-L-14-00003	98.U00	Agency for International Development	319,745	111,748
	Agency for International Development	Pass-Through	RUTGERS, THE STATE UNIVERSITY	5736	98.U01	Agency for International Development	49,882	0
	Agency for International Development	Direct		AID-OAA-L-14-00003	98.U02	Agency for International Development	476,468	155,257
	Total - Agency for International Development						4,879,229	1,549,953
	U.S. International Trade Commission	Direct			99.002	U.S. International Trade Commission	13,044	0
	Total - U.S. International Trade Commission						13,044	0
Total - Other Programs							58,609,923	5,480,678
Grand Total							570,981,329	38,780,454

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

PURDUE UNIVERSITY
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
June 30, 2020

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. For reporting purposes, federal awards have been classified into three types:

1. Student financial aid
2. Research and development
3. Other federal programs

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 Uniform Guidance, an award is considered 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.

PURDUE UNIVERSITY
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
June 30, 2020
(Continued)

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

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 2019-20 federal capital contributions were:

Balance, July 1, 2019	\$ 15,210,925
Net Federal Capital Contributions:	
Federal Perkins Loan Program	<u>(6,692,530)</u>
Balance, June 30, 2020	\$ <u>8,518,395</u>

Amounts loaned to students are recorded as notes receivable. Gross student notes receivable outstanding as of June 30, 2020 were:

<u>Program Title</u>	<u>Federal CFDA Number</u>	<u>Amount</u>
Federal Perkins Loan Program	84.038	\$ 11,816,658
Health Professions Student Loans	93.342	<u>3,075,632</u>
Total Student Notes Receivable		\$ <u>14,892,290</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, 2020, the University had the following gross loan activity related to new loans under this program:

<u>Program</u>	<u>Federal CFDA Number</u>	<u>Number of Loans Issued</u>	<u>Amount</u>
Federal Stafford Loans	84.268	27,301	\$ 136,535,831
Federal PLUS Loans	84.268	<u>2,429</u>	<u>38,088,084</u>
Totals		<u>29,730</u>	\$ <u>174,623,915</u>

PURDUE UNIVERSITY
SCHEDULE OF FINDINGS AND QUESTIONED COSTS

Section I - Summary of Auditor's Results

Financial Statements:

Type of auditor's report issued:

Name of Opinion Unit	Opinion Issued
Business-type activities	Unmodified
Aggregate discretely presented component units	Unmodified
Internal control over financial reporting:	
Material weaknesses identified?	no
Significant deficiencies identified?	none reported
Noncompliance material to financial statements noted?	no

Federal Awards:

Internal control over major programs:	
Material weaknesses identified?	yes
Significant deficiencies identified?	none reported
Any audit findings disclosed that are required to be reported in accordance with 2 CFR 200.516(a)?	yes

Identification of Major Programs and type of auditor's report issued on compliance for each:

CFDA Number	Name of Federal Program or Cluster	Opinion Issued
	Research and Development Cluster	Unmodified
	Student Financial Assistance Cluster	Unmodified
	Medicaid Cluster	Unmodified
84.425	Education Stabilization Fund	Unmodified
98.001	USAID Foreign Assistance for Programs Overseas	Unmodified
17.268	H-1B Job Training Grants	Unmodified

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

Auditee qualified as low-risk auditee? no

Section II - Financial Statement Findings

No matters are reportable.

PURDUE UNIVERSITY
SCHEDULE OF FINDINGS AND QUESTIONED COSTS
(Continued)

Section III - Federal Award Findings and Questioned Costs

FINDING 2020-001

Subject: Student Financial Assistance Cluster - Special Tests and Provisions - Verification and Return of Title IV Funds
Federal Agency: Department of Education
Federal Programs: Federal Supplemental Educational Opportunity Grants (FSEOG), Federal Work-Study Program, Federal Pell Grant Program, Federal Direct Student Loans
CFDA Numbers: 84.007, 84.033, 84.063, 84.268
Compliance Requirements: Special Tests and Provisions - Verification and Return of Title IV Funds
Audit Finding: Material Weakness

Condition and Context

The Purdue Fort Wayne campus did not properly design or implement an effective internal control system to ensure compliance with the requirements related to the Special Tests and Provisions - Verification and Return of Title IV Funds compliance requirements.

Special Tests and Provisions - Verification

One employee had the sole responsibility to update students' information based upon documentation received from those selected for verification. There was no evidence of a review or oversight process to ensure students' information had been accurately updated.

Special Tests and Provisions - Return of Title IV Funds

The Purdue Fort Wayne campus had designed a process where one employee entered the required information into the Common Origination and Disbursement (COD) System in order to calculate the amounts to be returned. Once complete, the employee sent the information to the Bursar for review. The University was unable to provide documentation or other supporting evidence that these reviews occurred during the audit period.

Criteria

2 CFR 200.303 states in part:

"The non-Federal entity must:

- (a) Establish and maintain effective internal control over the Federal award that provides reasonable assurance that the non-Federal entity is managing the Federal award in compliance with Federal statutes, regulations, and the terms and conditions of the Federal award. These internal controls should be in compliance with guidance in 'Standards for Internal Control in the Federal Government' issued by the Comptroller General of the United States or the 'Internal Control Integrated Framework', issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). . . ."

Cause

The Purdue Fort Wayne campus had not developed a system of internal controls that would have ensured compliance with the Special Tests and Provisions - Verification and Return of Title IV Funds compliance requirements.

PURDUE UNIVERSITY
SCHEDULE OF FINDINGS AND QUESTIONED COSTS
(Continued)

Effect

The failure to establish an effective internal control system placed the Purdue Fort Wayne campus at risk of noncompliance with the compliance requirements listed above.

Questioned Costs

There were no questioned costs identified.

Recommendation

We recommended that the Purdue Fort Wayne campus modify its existing internal control structure to include internal controls that would ensure compliance with the Special Tests and Provisions - Verification and Return of Title IV Funds compliance requirements.

Views of Responsible Officials

For the views of responsible officials, refer to the Corrective Action Plan that is part of this report.

AUDITEE-PREPARED DOCUMENTS

The subsequent documents were provided by management of the University. The documents are presented as intended by the University.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

FINDING 2019-001, Purdue University Fort Wayne

Fiscal year in which the finding initially occurred: 2019

Status of Audit Finding: Corrective action was taken



Kimberly Thomas
Associate Vice Chancellor, Finance and Business Services

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

FINDING: 2019-001

Fiscal year in which the finding initially occurred: 2018

Status of Audit Finding: Corrective action was taken.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

Doug Hess, Office of Financial Aid

FINDING 2019-002

Fiscal year in which the finding initially occurred: 2019

Status of Audit Finding: Corrective action was taken.

Summary Schedule of Prior Audit Findings

Michael Biel, Office of Financial Aid

Finding 2019-002

Fiscal year in which the finding initially occurred: 2019

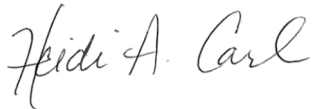
Status of Audit Finding: Corrective action was taken.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

FINDING 2019-002

Fiscal year in which the finding initially occurred: 2019

Status of Audit Finding: Corrective action was taken.



Heidi Carl
Executive Director

CORRECTIVE ACTION PLAN

Finding 2020-001, Purdue University Fort Wayne (PFW)

Contact Person Responsible for Corrective Action: Doug Hess, PFW Director of Financial Aid

Contact Phone Number: Doug Hess (260) 481-6242

Views of Responsible Official:

PFW believes that adequate internal controls related to input checking/validation on verification and title IV return of funds (R2T4) exist. That said, an additional layer of control will be added to verify accuracy of the inputs.

Description of Corrective Action Plan:

The Office of Financial Aid has created a spreadsheet, named Processing Spot Checks, to record files that are manually checked.

Process for Verification

One to two verifications will be pulled per month for re-review. Information will be documented on the spreadsheet, along with any findings. Appropriate actions, as necessary, will be taken pertaining to any findings.

Process for R2T4 Verification

The Director, or designee, will randomly pull one completed R2T4 from per month to review. Information will be documented on the spreadsheet, along with any finds. If errors are identified, corrections will be made and information rechecked for accuracy.

Anticipated Completion Date: January 2021

OTHER REPORTS

In addition to this report, other reports may have been issued for the University. All reports can be found on the Indiana State Board of Accounts' website: <http://www.in.gov/sboa/>.